



Pre-Conference Courses: April 22-23, 2015
Annual Conference: April 24-26, 2015



**INTERNATIONAL
YEAR OF LIGHT
2015**

Celebrating the International Year of
Light and Light-based Technologies

But Wait...There's More!

Wondering what special evening events are taking place this year, why you should become a member of ASLMS or what the new ASLMS Women in Energy-Based Devices Group is all about? We've included details about these topics and more on the tabbed pages throughout the program.

Don't wait till the conference is over, please take a few moments to review these special pages now!

Thank You! :)

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Welcome

Welcome to Kissimmee and Laser 2015, the 35th Annual Conference of the American Society for Laser Medicine and Surgery!

The conference this year will prove to be exciting and enlightening, with many new sessions, speakers and events. The program committee, session directors and staff have worked diligently to put together an outstanding program.

Highlights of what's new for the 2015 Annual Conference:

Educational Programming

- A greater focus on science underpinning practice of laser medicine and surgery (including designated presentations during each abstract session).
- Diversification of the program for other clinical specialties to include **Laser Dental Applications**, and **Veterinary Applications** during the NAALT/ASLMS session.
- Focus on the evolving area of **Laser-Assisted Drug Delivery**
- A **Pediatric Laser Focus** workshop will discuss specific treatment parameters and pearls on pediatric topics including pain management
- Emphasis on safety and compliance standards, with sessions including the **Aesthetic Practice to Compliance** and **Beyond Signs and Goggles: Putting Safety Standards to Work** workshops
- Enhanced programming for **Residents and Fellows** including a half-day concept review session, half-day research abstract session, guided exhibit hall tours and an evening Resident/Fellow networking session.

Guest Speakers

Plenary Session

Friday 10:00 am to 12:00 pm

- Keynote speaker Richard M. Satava, M.D. FACS - *"The Role of Directed Energy in the Next Revolution of Healthcare"*
- International Year of Light 2015 speaker Thanh-Nga T. Tran, M.D., Ph.D. - *"From Vietnam to the US and Back Again: Helping Kids with Disfiguring Vascular Birthmarks in Vietnam, a Humanitarian Medical Collaboration"*
- Dr. Richard E. Fitzpatrick tribute by R. Rox Anderson, M.D. - *"How to Change the World Fitz-style"*

Celebration of ASLMS Women in Energy-Based Devices

Friday 6:00 to 8:00 pm

- Nozomi Nishimura, Ph.D. - *"Life is Complicated – Multiphoton Microscopy and Other Tools for In Vivo Studies"*
- M. Cristina Chavantes, M.D., Ph.D. - *"Opportunities and Challenges for Women in Energy-Based Devices: An International Perspective"*
- Tina S. Alster, M.D. - *"How to Successfully Combine Research and Clinical Practice: A Personal Perspective"*

Guest speaker, Ilko K. Ilev, HHS/FDA Senior Biomedical Research Service, U.S. Food and Drug Administration who will speak on *"Emerging Optical and Laser Therapeutic Technologies and Devices: A Regulatory Science Perspective."* His presentation will take place on Saturday, at 10:00 am in Florida Exhibit Hall D.

Sunday Conference Wrap-Up Session

The conference will finish strong on Sunday with a new half-hour wrap up session at 12:00 pm featuring 11 chairs/directors of the main sessions, providing key points and highlights of the conference program, plus a look forward to the 2016 Annual Conference.

Evening Events

- Our first evening event will take place on Thursday from 6:00 – 9:00 pm. The highly popular **Tech Connect session** is a non-CME "no holds barred" event, where experts reveal their personal procedure and device preferences.

- We are excited to announce that we will be broadcasting live the national **Sirius XM Satellite Doctor Radio Show, featuring Dr. Doris Day**, outside the Florida Exhibit Hall D from 6:00 – 8:00 pm on Thursday.
- Please be sure to mark your calendar for the **Celebration of ASLMS Women in Energy-Based Devices** event to be held Friday from 6:00 – 8:00 pm. The two hours will be filled with engaging speakers, a thought-provoking panel, and opportunities for audience involvement with Q&A and networking. All ASLMS attendees are welcome and hors d'oeuvres and beverages will be provided.
- The **Exhibitor Reception** on Saturday from 5:30 – 7:00 pm gives attendees one last chance to meet with exhibitors and also bid on Silent Auction items. Hors d'oeuvres and beverages will be provided.
- Residents and Fellows can mingle at the **Resident/Fellow reception** from 7:30 – 9:00 pm on Saturday evening. Hors d'oeuvres and beverages will be provided.

Mobile App

We are pleased to advise you that the ASLMS mobile app has been upgraded with many new features that will make electronically accessing and scheduling your conference content incredibly easy.



New features include:

- **Enhanced calendar function** - You can now drill down to the speaker level and add to your calendar; this feature enables you to build a calendar precisely to your needs.
- **Push notifications** - Stay up to date with activities during the conference
- **Abstracts** - Searchable abstracts are available to view on the app during the conference.
- **Year round membership features** - Features include access to the *Lasers in Surgery and Medicine* Journal, eCademy, and membership renewal.
- **Increased audience participation** - In many of the sessions, we offer audience members the ability to send a question to the moderator via the app versus waiting in line at the microphone to ask a question.



Designated sessions allow questions to be sent to the podium through the mobile app

Staff is available to help with any app questions or issues. The app help desk is located directly across from the registration desk.

We are sure that you will be energized by the opportunities to learn, share, investigate, and create ideas at Laser 2015. Please let us know how you think the conference is going by filling out the evaluation forms, so we can continue to make improvements each year. Enjoy your time in sunny Florida!



Juanita J. Anders, Ph.D., President



Paul M. Friedman, M.D.,
 Program Co-Chair



G. David Baxter, TD, DPhil,
 Program Co-Chair

Keynote Speaker



Richard M. Satava, M.D., FACS

Professor Emeritus of Surgery
University of Washington Medical Center
Seattle, Washington

“The Role of Directed Energy in the Next
Revolution of Health Care”
Plenary Session: Friday, April 24, 2015

Dr. Richard M. Satava is a Professor Emeritus of Surgery at the University of Washington Medical Center.

Prior positions include professor of surgery at Yale University and a military appointment as professor of surgery (USUHS) in the Army Medical Corps assigned to General Surgery at Walter Reed Army Medical Center, and program manager of Advanced Biomedical Technology at the Defense Advanced Research Projects Agency (DARPA).

His undergraduate training was at Johns Hopkins University, medical school at Hahnemann University of Philadelphia, internship at the Cleveland Clinic, surgical residency at the Mayo Clinic, and a fellowship with a Master of Surgical Research at Mayo Clinic.

He has served on the White House Office of Science and Technology Policy (OSTP) Committee on Health, Food and Safety. He is currently a member of the Emerging Technologies and Resident Education, and Informatics committees of the American College of Surgeons (ACS), is past president of the Society of American Gastrointestinal Endoscopic Surgeons (SAGES), past president of the Society of Laparoendoscopic Surgeons (SLS), and is on the board of governors of the National Board of Medical Examiners (NBME) as well as on a number of surgical societies. He is on the editorial board of numerous surgical and scientific journals, and active in numerous surgical and engineering societies.

He has been continuously active in surgical education and surgical research, with more than 200 publications and book chapters in diverse areas of advanced surgical technology, including Surgery in the Space Environment, Video and 3-D imaging, Telepresence Surgery, Virtual Reality Surgical Simulation, and Objective Assessment of Surgical Competence and Training.

During his 23 years of military surgery he has been an active flight surgeon, an Army astronaut candidate, MASH surgeon for the Grenada Invasion, and a hospital commander during Desert Storm, all the while continuing clinical surgical practice. While striving to practice the complete discipline of surgery, he is aggressively pursuing the leading edge of advanced technologies to formulate the architecture for the next generation of medicine.

Dr. Richard E. Fitzpatrick Tribute



Richard E. Fitzpatrick, M.D.



R. Rox Anderson, M.D.

R. Rox Anderson, M.D.

“How to Change the World, Fitz-style”
Plenary Session: Friday, April 24, 2015

On Saturday, July 12, 2014, the ASLMS lost a beloved friend. Dr. Richard E. Fitzpatrick, a long-standing member and past president of the ASLMS, passed away after a long illness.

Dr. Fitzpatrick was known as the father of “laser resurfacing.” He was a leader in research, development and the clinical application of light based energy devices. Fitz, as he was affectionately known, shared his research and knowledge around the world, through extensive lecturing, training, consulting and publishing on the latest advances in laser surgery. His love of life and family, along with his kind, optimistic nature impacted everyone he met.

Dr. Fitzpatrick received his undergraduate degree from Princeton University and his medical degree from Emory University, where he was awarded membership in Alpha Omega Alpha Honorary Medical Society. He completed his residency in dermatology at UCLA. Dr. Fitzpatrick used lasers clinically for cutaneous disorders and cosmetic surgery since 1979 and was a member of the ASLMS since 1983. He published over 150 articles regarding the clinical use of various lasers, as well as radio-frequency and intense pulsed light devices and presented the results of his studies in lectures and meetings of national and international organizations. He co-authored two textbooks on cutaneous laser surgery and was actively involved in development and clinical testing of new laser systems for cutaneous use. Dr. Fitzpatrick was chosen by his peers to be recognized for his laser expertise in Best Doctors in America. He most recently was a practicing partner with Goldman, Butterwick, Fitzpatrick, Groff, & Fabi Cosmetic Laser Dermatology in San Diego, California and a clinical professor at UCSD in San Diego.

An active Fellow of the ASLMS since 1983, Dr. Fitzpatrick twice served as chair of the dermatology/plastic surgery section for the Annual Conferences and as vice president from 1997-1998, and president from 2000-2001. He was the recipient of the Leon Goldman Award, the Ellet Drake Lectureship Award, and the Caroline and William Mark Award. He was also the recipient of the 2010 Presidential Citation from the ASLMS for “*Master Clinician, Pioneer, Inventor, Teacher, Entrepreneur, Visionary, Friend.*”

To honor Dr. Fitzpatrick’s life, achievements and contributions to the field, Dr. Anderson will pay tribute at the Plenary Session on Friday, April 24 at 10:42 am.

International Year of Light Presentation



Thanh-Nga Tran, M.D., Ph.D.

Arlington, MA

“From Vietnam to the US and Back Again: Helping Kids with Disfiguring Vascular Birthmarks in Vietnam, a Humanitarian Medical Collaboration”
Plenary Session: Friday, April 24, 2015

The United Nations declared 2015 as the International Year of Light and Light-Based Technologies (IYL 2015). The ASLMS is a proud sponsor of the IYL 2015 and views this year-long celebration as a unique opportunity to inspire, educate, and raise global awareness of the use of light in all facets of our lives, including medical research and technology.

The ASLMS was a sponsor of ASLMS member, Thanh-Nga Trinh Tran, M.D., Ph.D., as a speaker at the IYL 2015 opening ceremony in Paris, France in January. The Chairman of the IYL 2015 Steering Committee, Dr. John Dudley, requested that the ASLMS nominate an individual who could raise visibility about the use of lasers to improve the quality of life and help mankind. Dr. Tran is such a person.

Dr. Tran is a co-founder of the Vietnam Vascular Anomalies Center, a non-profit humanitarian organization dedicated to the care of underserved children with vascular anomalies, pigmented birthmarks, scars and wounds. She is bringing to Vietnam modern methods including laser and light technologies for treating these disfiguring conditions. She has helped to train and educate staff and improve patient outcomes for many children in her native country. She is a board-certified dermatologist at Kuchnir Dermatology and researcher at the Massachusetts General Hospital, as well as an Instructor in Dermatology at Harvard Medical School in Boston, Massachusetts.

I had the honor of representing the ASLMS at the IYL 2015 opening ceremony. The speakers and attendees included international diplomats and decision makers, five Nobel laureates, and science and industry leaders from around the world. Dr. Tran's presentation was excellent and well received. She will speak during the plenary session on Friday, April 24 at 11:02 am. She is also a panelist at the Celebration of ASLMS Women in Energy-Based Devices on Friday evening.

Dr. Dudley has challenged our society to consider how we can bring our expertise in lasers and energy-based technologies to developing countries. I look forward to celebrating the good work already done by our members in this area and working with all of you to explore the International Year of Light and Light-Based Technologies initiative further!

Juanita J. Anders, Ph.D.
ASLMS President

Program-at-a-Glance*

Wednesday, April 22, 2015

Exhibits Closed

7:00 am - 5:30 pm	Registration	Florida Exhibit Hall Lobby DEF
7:00 am - 8:00 am	Continental Breakfast	Sun A
8:00 am - 5:30 pm	COURSE (<i>fee required</i>) #001 Fundamentals of Lasers in Health Care (Full Day)	Sun A
12:00 pm - 1:00 pm	Lunch Break	On Your Own

Thursday, April 23, 2015

Exhibits Closed

6:30 am - 9:00 pm	Registration	Florida Exhibit Hall Lobby DEF
7:00 am - 8:00 am	Continental Breakfast	Osceola Lobby
8:00 am - 12:00 pm	COURSES (<i>fee required</i>) #002 Expert Treatment Approaches	Osceola A
	#003 Laser Treatment of Patients of Color	Osceola C
	#004 Complications, Controversies and Legal Issues	Osceola B
	#005 Nursing/Allied Health (Breakfast in Room)	Orange Blossom Ballroom
12:00 pm - 1:30 pm	Lunch Break	On Your Own
12:15 pm - 1:15 pm	"MASTERS" LUNCHEON SESSIONS (<i>fee required</i>) #010 What's New in Lasers/Energy-Based Devices	Osceola 1-2
	#011 Non-Invasive Skin Tightening and Fat Removal	Osceola 3-4
	#012 Our Favorite Laser Pearls	Osceola 5-6
	#013 PDT: State-of-the-Art	Tallahassee
	#014 Fractional Resurfacing	Sanibel
	#015 State-of-the-Art in Tattoo Treatment	Miami
	#016 Dermatology/Plastic Surgery MOC	Sarasota
1:30 pm - 5:30 pm	COURSES (<i>fee required</i>) #006 Device-Based Resurfacing, Rejuvenation and Recontouring	Osceola A
	#007 Scars, Burns and Trauma	Osceola B
	#008 Hair and Pigment and Vascular Lesions	Osceola C
	#005 Nursing/Allied Health	Orange Blossom Ballroom
6:00 pm - 9:00 pm	SESSION (<i>fee required</i>) #009 Tech Connect (non-CME)	Florida Exhibit Hall D
6:00 pm - 8:00 pm	Dr. Doris Day Sirius XM Radio Show Broadcasting Live	Florida Exhibit Hall D Lobby

*Schedule and rooms subject to change.

Program-at-a-Glance*

Friday, April 24, 2015	
Exhibits Open 9:00 am - 5:00 pm, Florida Exhibit Halls E&F	
6:00 am - 8:00 pm	Registration Florida Exhibit Hall Lobby DEF
6:30 am - 8:30 am	Continental Breakfast Osceola Lobby
7:00 am - 8:00 am	ANSI SSC3 Meeting (All Conference Attendees are Invited) Tallahassee
6:45 am - 8:00 am	"MASTERS" BREAKFAST SESSIONS (fee required) #017 Maximizing Patient Satisfaction Osceola 1-2 #018 Cellulite Osceola 3-4 #019 Scar Wars Osceola 5-6
8:00 am - 10:00 am	WORKSHOPS #020 Therapeutic Challenges and New Treatments Florida Exhibit Hall D #021 Pediatric Laser Focus Osceola A #022 Aesthetic Practice to Compliance Osceola B #023 Basic Mechanisms of Photobiomodulation Osceola C
8:00 am - 10:00 am	ABSTRACT SESSION ASLMS PDT/PAPDT "Dermatologic Applications" Osceola D
10:00 am - 10:30 am	Break/View ePosters/Visit the Exhibits (Resident Fellow Exhibit Tour) Florida Exhibit Halls E&F
10:30 am - 12:00 pm	PLENARY SESSION Florida Exhibit Hall D • Presidential Address • Tribute to Richard E. Fitzpatrick, M.D. - R. Rox Anderson, M.D. • International Year of Light Presentation - Thanh-Nga T. Tran, M.D., Ph.D. • Horace Furumoto Innovations Professional Development Award - Jared Jagdeo, M.D., M.S. • Keynote Speaker - Richard M. Satava, M.D., FACS
12:00 pm - 12:30 pm	ASLMS Business Meeting (Members Only) Florida Exhibit Hall D
12:00 pm - 1:30 pm	Cash Lunch/View ePosters/Visit the Exhibits Florida Exhibit Halls E&F
1:30 pm - 2:45 pm*	ABSTRACT SESSIONS • Cutaneous Laser Surgery Florida Exhibit Hall D • Basic Science & Translational Research Osceola C • Photobiomodulation* (starts at 1:45 pm) Osceola A • Laser Dental Applications Osceola B • ASLMS PDT/PAPDT Osceola D
2:45 pm - 3:30 pm	Break/View ePosters/Visit the Exhibits (Resident Fellow Exhibit Tour) Florida Exhibit Halls E&F
3:30 pm - 5:30 pm	ABSTRACT SESSIONS • Cutaneous Laser Surgery Florida Exhibit Hall D • Basic Science & Translational Research Osceola C • Photobiomodulation Osceola A • Laser Dental Applications Osceola B • ASLMS PDT/PAPDT Osceola D
6:00 pm - 8:00 pm	CELEBRATION OF ASLMS WOMEN IN ENERGY-BASED DEVICES Naples Guest Speakers: Nozomi Nishimura, Ph.D., M. Cristina Chavantes, M.D., Ph.D., Tina S. Alster, M.D.

*Schedule and rooms subject to change.

Program-at-a-Glance*

Saturday, April 25, 2015	
Exhibits Open 9:00 am - 7:00 pm, Florida Exhibit Halls E&F	
6:00 am - 7:00 pm	Registration Florida Exhibit Hall Lobby DEF
6:30 am - 8:30 am	Continental Breakfast Osceola Lobby
7:00 am - 9:00 am	WORKSHOPS #025 Periorbital Therapies and Rejuvenation Florida Exhibit Hall D #026 Laser Assisted Drug Delivery Osceola D #027 Laser Dental Applications Osceola B #028 Skinny on Fat Reduction and Skin Tightening Osceola C #029 Beyond Signs and Goggles: Putting Safety Standards to Work Osceola A
9:00 am - 9:30 am	Break/View ePosters/Visit the Exhibits Florida Exhibit Halls E&F
9:30 am - 10:00 am	EMERGING OPTICAL AND LASER THERAPEUTIC TECHNOLOGIES AND DEVICES: A REGULATORY SCIENCE PERSPECTIVE Florida Exhibit Hall D Guest Speaker: Ilko K. Ilev, Ph.D.
10:00 am - 12:00 pm	CUTTING EDGE: LASER AND SKIN SESSION Florida Exhibit Hall D
10:00 am - 12:00 pm	ABSTRACT SESSION NAALT/Veterinary Applications Naples
12:00 pm - 1:30 pm	Cash Lunch/View ePosters/Visit the Exhibits Florida Exhibit Halls E&F
1:30 pm - 5:30 pm	WORKSHOP #030 Laser Review and Clinical Pearls for Residents and Fellows Osceola B
1:30 pm - 2:45 pm	ABSTRACT SESSIONS • Cutaneous Laser Surgery Florida Exhibit Hall D • Basic Science and Translational Research Osceola C • Photobiomodulation Osceola A • ASLMS PDT/PAPDT Osceola D • NAALT/Veterinary Applications Naples
2:45 pm - 3:30 pm	Break/View ePosters/Visit the Exhibits Florida Exhibit Halls E&F
3:30 pm - 5:30 pm*	ABSTRACT SESSIONS • Cutaneous Laser Surgery Florida Exhibit Hall D • Basic Science and Translational Research Osceola C • Photobiomodulation/NAALT* (<i>ends at 5:00 pm</i>) Osceola A • ASLMS PDT/PAPDT Osceola D • Clinical Guidelines and Best Practices Naples
5:30 pm - 7:00 pm	Exhibitor Reception/Silent Auction Florida Exhibit Halls E&F
7:30 pm - 9:00 pm	Resident/Fellow Reception Osceola D

*Schedule and rooms subject to change.

Program-at-a-Glance*

Sunday, April 26, 2015	
Exhibits Closed	
6:30 am - 12:30 pm	Registration Florida Exhibit Hall Lobby DEF
6:30 am - 8:00 am	Continental Breakfast Osceola Lobby
7:00 am - 9:00 am	WORKSHOPS #031 Controversies in Laser Energy Devices Florida Exhibit Hall D #032 Combining Neuromodulators with Lasers, Lights and Other Energy Devices Naples
9:00 am - 12:00 pm*	ABSTRACT SESSIONS • Cutaneous Laser Surgery Florida Exhibit Hall D • Basic Science and Translational Research..... Osceola C • Biological Imaging* (<i>ends at 11:15 am</i>) Osceola A • Resident/Fellow Abstracts* (<i>8:45 am - 12:30 pm</i>)..... Osceola B
12:00 pm - 12:30 pm	Conference Wrap-Up Session Florida Exhibit Hall D

*Schedule and rooms subject to change.

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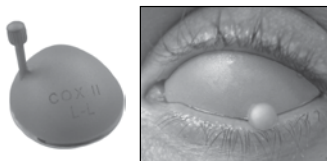
Ocular laser shields

Cox® II



Cox® II H*

Left and right eyeshields
With offset handle.



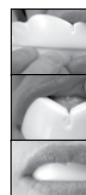
- Vaulted at the cornea.
 - Handle facilitates insertion and removal but always remains there.
- (US patent #6,123,081)

The OPSOft laser mouthguard

For protection during hair removal and cutaneous treatment with laser, IPL or RF.



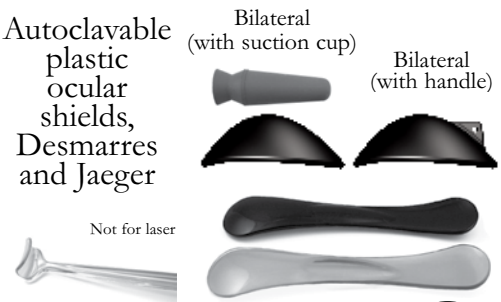
Eliminates pain from the laser fluence of the teeth; and offers protection at the same time.



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Fundamentals of Lasers in Health Care Course

April 22, 2015 8:00 am - 5:30 pm
 Room Sun A
Refer to registration form for fees.

Director: J. Stuart Nelson, M.D., Ph.D.

Faculty: Gregory T. Absten, B.Sc., M.B.A., C.L.R.T., Paul M. Friedman, M.D., Gerald N. Goldberg, M.D., Arisa E. Ortiz, M.D., Patricia A. Owens, R.N., M.H.A., C.M.L.S.O.

ACCME Accreditation Statement
 The American Society for Laser Medicine and Surgery, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Continuing Medical Education Credit
 The American Society for Laser Medicine and Surgery, Inc. designates this live activity for a maximum of 8.25 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Education Credit
 This offering by the ASLMS, in conjunction with Professional Medical Education Association is accredited for a maximum of 9.8 contact hours. Professional Medical Education Association is approved by the California Board of Registered Nursing, Provider # CEP 12386. Note: Most State Boards of Nursing accept another State Board's approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided. You will receive a statement of CE contact hours after the Annual Conference.

Educational Needs

This course is designed to introduce and enhance the participant's understanding of the field of laser and other light-based technologies and their application in health care.

Participants

This course is intended for physicians and other clinicians, scientists, researchers, and laser and related technology industry personnel who are considering entering or who have minimal background and experience in the field of laser and other light-based technology and their application in health care.

Background Requirements

Minimal background and experience in the field of laser and other light-based technology and their application in health care.

Instructional Content and/or Expected Learning Outcomes

1. Understand the biophysics pertinent to the application of lasers and other light-based energy devices and related technology, and will be prepared to apply this same understanding related to the provision of patient care.
2. Understand the working parts of a laser and other light-based devices.
3. Understand the interaction and implications of using lasers and other light-based devices and related technologies on human tissues and be capable of using this knowledge in the provision of patient care.
4. Be familiar with a broad array of lasers and light-based devices used in the provision of health care procedures and be capable of determining which laser and/or light-based technology is most appropriately used for particular clinical procedures.
5. Be introduced to the interactions of lasers and other light emitting devices and popular non device skin interventions (i.e., muscle relaxers and fillers, etc).
6. Understand the legal issues associated with the use of lasers and related technology in patient care, and will be capable of using this knowledge to avoid any legal ramifications for themselves, their organization, and the patients for which they care.
7. Understand the safety risks to providers and patients associated with the use of lasers and related technology, and understand and be capable of using this knowledge to practice the safety necessary to provide a safe environment for all providers and patients.
8. Be capable of practicing good patient selection and properly preparing patients for treatment with light-based devices.
9. Have sufficient exposure to a cross-section of clinical applications such that they are capable of using this knowledge to discern the clinical applications for which they may or may not choose to develop specific laser application skills.

Fundamentals of Lasers in Health Care Course

Wednesday, April 22, 2015	
8:00 am - 8:04 am	Introduction and Pre-Test - J. Stuart Nelson
8:05 am - 9:04 am	Biophysics Principles - J. Stuart Nelson
9:05 am - 10:04 am	Tissue Interaction - J. Stuart Nelson
10:05 am - 10:19 am	Break
10:20 am - 10:50 am	Lasers and Other Light Energy Devices - Gregory T. Absten
10:51 am - 11:20 am	Laser Safety - Gregory T. Absten
11:21 am - 11:50 am	National and International Influence on Your Practice - Patricia A. Owens
11:51 am - 12:39 pm	Lunch
12:40 pm - 1:19 pm	Tattoos, Pigmented Lesions, Melasma and Treatment of Patients with Darker Skin Types - Gerald N. Goldberg
1:20 pm - 1:59 pm	Hair Removal - Arisa E. Ortiz
2:00 pm - 2:59 pm	Non-Ablative and Ablative Fractional Skin Rejuvenation and Treatment of Scars - Paul M. Friedman
3:00 pm - 3:14 pm	Break
3:15 pm - 3:44 pm	Vascular Lesions and Port Wine Stains - J. Stuart Nelson
3:45 pm - 4:14 pm	Addressing Complications of Laser Procedures - Gerald N. Goldberg
4:15 pm - 4:44 pm	Light-Based Devices Combined With Other Modalities to Treat the Face - Paul M. Friedman
4:45 pm - 5:24 pm	Video End Points - Gerald N. Goldberg
5:25 pm - 5:30 pm	Q&A, Post-Test and Adjourn - J. Stuart Nelson

Expert Treatment Approaches Course

April 23, 2015 8:00 am - 12:00 pm
 Room Osceola A
Refer to registration form for fees.

Directors: Kenneth A. Arndt, M.D., Brian D. Zelickson, M.D.

Faculty: Murad Alam, M.D., MSCI, Mathew M. Avram, M.D., J.D., Paul M. Friedman, M.D., Merete Haedersdal, M.D., Carolyn I. Jacob, M.D., Emily C. Keller, M.D., Jennifer L. MacGregor, M.D., Laurel M. Morton, M.D., Deanne Mraz Robinson, M.D., Girish S. Munavalli, M.D., Peter R. Shumaker, M.D., Emil A. Tanghetti, M.D.

ACCME Accreditation Statement
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Continuing Medical Education Credit
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Continuing Education Credit
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Educational Needs

Laser and energy-based surgery is a rapidly changing field with many new devices coming out every year. Aside from this, there is a very specific art in how and when to use these devices. While most training programs offer hands-on experience with a variety of devices, the objective of this activity is to have leading experts give their results in using specific techniques and protocols treating the most difficult conditions.

Participants

This activity is designed for physicians, nurses, nurse practitioners and others who have experience in treating patients with laser and energy-based devices.

Background Requirements

Attendees should have a strong working knowledge of lasers and energy-based devices.

Instructional Content and/or Expected Learning Outcomes

It is expected that participants in this activity will identify gaps in their knowledge, competence or performance in treating specific conditions such as scars, melasma, hyperhidrosis, cellulite and pigmented lesions and using lasers and/or energy-based devices in unique ways, such as the use of lasers to enhance wound healing.

Thursday, April 23, 2015	
8:00 am - 8:09 am	Introduction and Pre-Test - Kenneth A. Arndt, Brian D. Zelickson
8:10 am - 8:20 am	Picosecond Technology for Tattoos and Other Conditions - Emil A. Tanghetti
8:21 am - 8:31 am	Treatment of Acne with Energy Sources - Girish S. Munavalli
8:32 am - 8:42 am	Needling RF and the Spectrum of Fractional Resurfacing - Murad Alam
8:43 am - 9:00 am	Q&A/Discussion
9:01 am - 9:11 am	Laser Enhanced Absorption of Topical Agents - Merete Haedersdal
9:12 am - 9:22 am	Treatment of Scars with Lasers and Energy Sources - Peter R. Shumaker
9:23 am - 9:33 am	Use of Lasers to Enhance Wound Healing - Laurel M. Morton
9:34 am - 9:51 am	Q&A/Discussion
9:52 am - 10:09 am	Break
10:10 am - 10:20 am	Home Use/Consumer Devices - Emily C. Keller
10:21 am - 10:31 am	Treatment of Cellulite, New Devices and Approaches - Deanne Mraz Robinson
10:32 am - 10:42 am	Energy Sources for the Treatment of Hyperhidrosis - Carolyn I. Jacob

Expert Treatment Approaches Course

Thursday, April 23, 2015	
10:43 am - 11:00 am	Q&A/Discussion
11:01 am - 11:11 am	Skin Tightening - Jennifer L. MacGregor
11:12 am - 11:22 am	Complications of Laser and Light Treatments - Mathew M. Avram
11:23 am - 11:33 am	Current Approaches for Treating Melasma and Pigmented Lesions - Paul M. Friedman
11:34 am - 11:51 am	Q&A/Discussion
11:52 am - 12:00 pm	Conclusion and Post-Test - Kenneth A. Arndt, Brian D. Zelickson

Laser Treatment of Patients of Color Course

April 23, 2015 8:00 am - 12:00 pm
 Room Osceola C
Refer to Registration Form for Fees

Director: Andrew F. Alexis, M.D., Eliot F. Battle, Jr., M.D.

Faculty: Murad Alam, M.D., MSCI, Henry H.L. Chan, M.B.B.S., Ph.D., FRCP, Paul M. Friedman, M.D., Kei Negishi, M.D., Ph.D.

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Educational Needs
 This activity will review laser techniques and skills to improve efficacy and safety of laser treatments on patients of color.

Participants
 This activity is designed for owners of cosmetic facilities that treat patients of color and laser practitioners who treat or plan on treating patients of color.

Background Requirements
 Participants should have basic clinical laser skills and training.

Instructional Content and/or Expected Learning Outcomes
 This activity will cover appropriate treatment choices when treating patients of color, including appropriate laser selection, laser parameters, pre and post-treatment care, appropriate patient selection, and management of adverse events.

Thursday, April 23, 2015	
8:00 am - 8:15 am	Discussion and Pre-Test - Andrew F. Alexis, Eliot F. Battle, Jr.
8:16 am - 8:41 am	Laser Physics and Laser Hair Removal on Skin of Color "My Approach" - Eliot F. Battle, Jr.
8:42 am - 9:07 am	Treatment of Pigmented Lesions and Scars in Skin of Color "My Approach" - Paul M. Friedman
9:08 am - 9:33 am	Laser Treatment for Congenital or Acquired Pigmentary Lesions in Asian Skin - Henry H.L. Chan
9:34 am - 9:49 am	Break
9:50 am - 10:15 am	Pigmented-Related Skin Rejuvenation and Toning Techniques by Laser and Light for Asian Skin - Kei Negishi
10:16 am - 10:41 am	Aging Comparison Based on Ethnicity - Murad Alam
10:42 am - 11:07 am	Laser Resurfacing in Fitzpatrick Skin Types V-VI "My Approach" - Andrew F. Alexis
11:08 am - 11:30 am	Pearls from the Panelists and Post-Test - Faculty
11:31 am - 12:00 pm	Q&A - Faculty

Complications, Controversies and Legal Issues Course

April 23, 2015 8:00 am - 12:00 pm
 Room Osceola B
Refer to registration form for fees.

Directors: Mathew M. Avram, M.D., J.D., Brian S. Biesman, M.D., David J. Goldberg, M.D., J.D., George J. Hruza, M.D., M.B.A.

Faculty: H. Ray Jalian, M.D., Arisa E. Ortiz, M.D., Anne Marie Tremaine, M.D., Brian D. Zelickson, M.D.

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Educational Needs

This activity will focus on energy-based device safety, cutaneous and ophthalmic complications from such devices, prevention of complications, how to prevent a lawsuit and physician extender issues.

Participants

This activity is designed for physicians and designated extenders using energy-based devices.

Background Requirements

No background is required for this activity.

Instructional Content and/or Expected Learning Outcomes

It is expected that participants will learn about energy-based device safety, cutaneous and ophthalmic complications from such devices, prevention of complications, how to prevent a lawsuit and physician extender issues.

Thursday, April 23, 2015	
8:00 am - 8:10 am	Introduction and Pre-Test - David J. Goldberg
8:11 am - 8:32 am	Energy-Based Device Safety - Arisa E. Ortiz
8:33 am - 8:54 am	Complications of Lasers: What Matters and What Does Not - Brian D. Zelickson
8:55 am - 9:16 am	Complications of Energy-Based Devices: Causation - George J. Hruza
9:17 am - 9:38 am	Cutaneous and Ophthalmic Complications From Energy-Based Devices: Prevention - Brian S. Biesman
9:39 am - 9:54 am	Q&A
9:55 am - 10:10 am	Break
10:11 am - 10:32 am	Laser Complications Reported to the FDA - Anne Marie Tremaine
10:33 am - 10:54 am	Energy-Based Devices: Tips to Avoid a Lawsuit - Mathew M. Avram
10:55 am - 11:16 am	Laser Complications by Non-Physicians - H. Ray Jalian
11:17 am - 11:38 am	Energy-Based Devices: Physician and Physician Extender Legal Issues - David J. Goldberg
11:39 am - 11:54 am	Q&A
11:55 am - 12:00 pm	Conclusion and Post-Test - David J. Goldberg

? TO **PODIUM** **Nursing/Allied Health Course**

April 23, 2015 8:00 am - 5:00 pm
 Room Orange Blossom Ballroom
Refer to registration form for fees.

Directors: Mary Stoll, B.S., R.N., Marian D. O'Hagan R.N., B.S.N., Andrea M. Morrison R.N., Rebecca L Sprague, R.N., N.P.-C

Faculty: Richard Bankowski, Erica Collins, Sean T. Doherty, M.D., John E. Hoopman, Khalil A. Khatri, M.D., David H. McDaniel, M.D., Annette Quinn, R.N., M.S.N., E. Victor Ross, M.D., Nazanin Saedi, M.D.

Continuing Education Credit
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Educational Needs

The activity is designed to offer an interactive forum for exchange of practical clinical information through lectures and conversations, including new and established technology.

Participants

The activity is designed for nurses, clinicians, and other allied health professionals who use laser, light and other energy-based technologies.

Background Requirements

Attendees should possess a basic understanding of laser, light and energy based technologies for cutaneous applications.

Instructional Content and/or Expected Learning Outcomes

At the conclusion of this activity, the participants will: 1) understand skin layer anatomy (gross and microscopic) and the associated changes initiated by energy based technologies; 2) establish sound understanding of the principles of lasers and other energy technologies; 3) develop effective strategies for appropriate patient selection, treatment and education; 4) understand laser and energy-based tissue interaction and approaches to mitigate and manage side effects and complications; 5) understand picosecond technology and its role in the treatment of skin rejuvenation, acne scars, pigmentation, melasma, and tattoos, and 6) develop and execute patient relationship and practice building strategies.

Thursday, April 23, 2015	
8:00 am - 8:04 am	Introduction - Mary Stoll, Marian D. O'Hagan, Andrea M. Morrison
8:05 am - 8:35 am	Nursing/Allied Health Information Session
8:36 am - 8:59 am	Incorporating LLLT Into Oncology Practice: A University of Pittsburgh Cancer Center Experience - Annette Quinn
9:00 am - 9:23 am	Understanding Picosecond Technology - Rich Bankowski
9:24 am - 9:47 am	Using Technology and Topicals to Treat Complications and Side Effects - Sean T. Doherty
9:48 am - 10:21 am	Photons and Matter: How to Control the Collision - John E. Hoopman
10:22 am - 10:27 am	Q&A
10:28 am - 10:43 am	Break
10:44 am - 11:07 am	Patient Centric Marketing: Steps to Launch New Services in Your Practice - Erica Collins
11:08 am - 11:31 am	Cooling: How Cold is Too Cold? Is it Cold Enough? - E. Victor Ross



Nursing/Allied Health Course

Thursday, April 23, 2015		
11:32 am - 11:54 am		Laser, Light and Other Energy-Based Devices: Concepts, Terminology and Tissue Interaction - Nazanin Saedi
11:55 am - 12:00 pm		Q&A
12:01 pm - 1:29 pm		Lunch (On Your Own or Attend "Masters" Luncheons)
1:30 pm - 1:54 pm		Dispelling Treatment Myths - Khalil A. Khatri
1:55 pm - 1:59 pm		Q&A
ABSTRACT PRESENTATIONS		
2:00 pm - 2:08 pm	107	COMPLICATIONS IN LASER SURGERY: HOW TO AVOID THEM AND THEIR MANAGEMENT IN DERMATOLOGIC LASER PRACTICE Bradley Bloom, Tricia Hamilton Roarty*, Roy Geronemus, Laser & Skin Surgery Center of New York, New York, NY
2:09 pm - 2:17 pm	108	NOVEL USES FOR LASERS AND ENERGY-BASED DEVICES IN CLINICAL LASER PRACTICE Bradley Bloom*, Roy Geronemus, Laser & Skin Surgery Center of New York, New York, NY
2:18 pm - 2:47 pm		Gross and Histological Review of the Skin - What's Really Going on Under There? - David H. McDaniel*
2:48 pm - 2:53 pm		Q&A
2:54 pm - 3:02 pm	109	LASER TREATMENT OF VASCULAR LESIONS IN CHILDREN Bradley Bloom, Danielle Martorano Fazio*, Roy Geronemus, Laser & Skin Surgery Center of New York, New York, NY
3:03 pm - 3:11 pm	110	BODY CONTOURING NURSING CONSIDERATIONS Anne Chapas*, Jennifer MacGregor, Maria Mekas, Katherine Rhee, Katie Corradini, Olga Altanian, New York, NY
3:12 pm - 3:20 pm (ePoster Available)	111	ONYCHOMYCOSIS - LASER AND LIGHT TREATMENTS FOR TOE NAIL FUNGUS Trudy Fleming*, Melbourne, Australia
3:21 pm - 3:29 pm	112	MICROEXFOLIATION & MICROCIRCULATION WITH DNA REPAIR INFUSION Laura McDermott*, DermaSweep, Rocklin, CA
BEST CLINICAL NURSING/ALLIED HEALTH AWARD		
3:30 pm - 3:38 pm	113	EFFECTIVENESS OF CLASS 4 LASERS FOR ACHILLES TENDINOPATHY Steve Tumilty*, David Baxter, Otago University, Dunedin, Otago, New Zealand
3:39 pm - 3:50 pm		Q&A
3:51 pm - 4:05 pm		Break
4:06 pm - 5:00 pm		Q&A and Conclusion - Mary Stoll, Marian D. O'Hagan, Andrea M. Morrison

*Presenter

What's New in Lasers/Energy-Based Devices "Masters" Luncheon

April 23, 2015 12:15 pm - 1:15 pm
 Room Osceola 1-2
Refer to registration form for fees.

Directors: Eric F. Bernstein, M.D., MSE,
 Neil S. Sadick, M.D., Brian S. Biesman,
 M.D., F.A.C.S.

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Educational Needs
 This activity will inform attendees of the new developments in laser technologies that they can use in the office, and to teach them how developments are brought from the lab to the office enabling them to come up with new technological advances themselves.

Participants
 Individuals performing laser surgery are invited to attend.

Background Requirements
 There are no specific prerequisites for attending this activity.

Instructional Content and/or Expected Learning Outcomes
 The attendees will learn about advances in cutaneous vascular, pigment, hair, tattoo and fractionated lasers, and how basic science reinforces these changes. Attendees will learn about advances in body sculpting technologies including cryolipolysis, ultrasound and heat, and how basic science reinforces these changes.

Thursday, April 23, 2015	
12:15 pm - 12:20 pm	Introduction and Pre-Test - Neil S. Sadick
12:21 pm - 12:34 pm	Advances in IPL and Body Sculpting Devices - Neil S. Sadick
12:35 pm - 12:48 pm	Advances in Tattoo, Pigment, Vascular and Hair Removal Devices – Eric F. Bernstein
12:49 pm - 1:02 pm	Advances in Fractionated Resurfacing and Noninvasive Skin Tightening with an Emphasis on the Periorbital Region – Brian S. Biesman
1:03 pm - 1:15 pm	Conclusion/Q&A/Post-Test - Neil S. Sadick

Non-Invasive Skin Tightening and Fat Removal “Masters” Luncheon

April 23, 201512:15 pm - 1:15 pm
 Room Osceola 3-4
Refer to registration form for fees.

Directors: Murad Alam, M.D., MSCI,
 Barry E. DiBernardo, M.D.

Faculty: Michael S. Kaminer, M.D.

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Educational Needs

There are a wide range of technologies available for fat removal with varying efficacy and safety. This luncheon will clarify these treatment options.

Participants

This activity is intended for practitioners who are interested in technology for fat removal and skin tightening.

Background Requirements

There are no background requirements for participants.

Instructional Content and/or Expected Learning Outcomes

It is expected that participants will be able to review the options available for non-invasive fat removal procedures, critically evaluate the evidence regarding safety and efficacy of non-invasive fat removal procedures and explore the future options for non-invasive fat removal. Best practices will be discussed.

Thursday, April 23, 2015	
12:15 pm - 12:19 pm	Introduction and Pre-Test - Murad Alam, Barry E. DiBernardo
12:20 pm - 12:31 pm	Non-Invasive Fat Reduction - Michael S. Kaminer
12:32 pm - 12:43 pm	Non-Invasive Skin Tightening - Barry E. DiBernardo
12:44 pm - 12:53 pm	Challenges in Measurement of Results for Skin Tightening and Fat Reduction - Murad Alam
12:54 pm - 1:09 pm	Q&A
1:10 pm - 1:15 pm	Conclusion and Post-Test - Murad Alam, Barry E. DiBernardo

Our Favorite Laser Pearls “Masters” Luncheon

April 23, 201512:15 pm - 1:15 pm
Room Osceola 5-6
Refer to registration form for fees.

Directors: Kenneth A. Arndt, M.D.,
Jeffrey S. Dover, M.D., FRCP, Arielle
N.B. Kauvar, M.D.

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Educational Needs

This activity will provide participants with knowledge of how to optimize patient outcomes by selecting the most appropriate device or technique for a given indication, refining treatment parameters and using appropriate pre and post-operative skin care.

Participants

This activity is designed for experienced dermatologists and plastic surgeons using lasers for cutaneous applications and who are seeking to optimize their therapeutic results.

Background Requirements

Participants should be familiar with the use of lasers for cutaneous applications.

Instructional Content and/or Expected Learning Outcomes

At the conclusion of this activity, participants will have a better understanding of how to improve their results and minimize their complications in laser treatment of vascular and pigmented lesions, laser resurfacing and photodynamic therapy.

PDT: State-of-the-Art “Masters” Luncheon

April 23, 201512:15 pm - 1:15 pm
 RoomTallahassee
Refer to registration form for fees.

Director: Michael H. Gold, M.D.,
 Elizabeth K. Hale, M.D., Fernanda H.
 Sakamoto, M.D., Ph.D.

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Educational Needs
 With increasing interest for the use of photodynamic therapy (PDT) in dermatology, this activity will provide scientific background, recent updates in this field, as well as practical clinical pearls to increase efficacy and safety.

Participants
 The activity is designed for novice and experienced users of PDT.

Background Requirements
 Participants should be familiar with the photochemical reactions of PDT.

Instructional Content and/or Expected Learning Outcomes
 At the conclusion of the activity, attendees will have a better understanding of the latest techniques and technologies and photochemical reactions from basics to clinical practice. Time will be allowed for open discussion with experts.

Thursday, April 23, 2015	
12:15 pm - 12:19 pm	Introduction and Pre-Test - Michael H. Gold, Elizabeth K. Hale, Fernanda H. Sakamoto
12:20 pm - 12:34 pm	PDT for AKs and Non-Melanoma Skin Cancer - Elizabeth K. Hale
12:35 pm - 12:49 pm	PDT for Acne - Michael H. Gold
12:50 pm - 1:04 pm	New Directions on PDT - Fernanda H. Sakamoto
1:05 pm - 1:15 pm	Conclusion/Q&A/Post-Test - Michael H. Gold, Elizabeth K. Hale, Fernanda H. Sakamoto

Fractional Resurfacing “Masters” Luncheon

April 23, 201512:15 pm - 1:15 pm
Room Sanibel
Refer to registration form for fees.

Directors: A. Jay Burns, M.D., Suzanne
L. Kilmer, M.D.

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Educational Needs

This activity addresses the educational needs of physicians who are treating patients with fractional technology. Fractional CO₂, non-ablative fractional and fractional erbium ablative will be discussed. The need to understand more advanced techniques will be the focus of this activity with a heavy emphasis on clinical applications and treatment techniques and tips.

Designated Participants

The ideal participant has some experience with fractional resurfacing; however, physicians with moderate laser experience would be welcome as they explore the possible indications and contraindications of fractional resurfacing.

Background Requirements

There are no specific background requirements. This activity is open to anyone interested in fractional resurfacing, despite their experience. However, they should note that the focus is on a more moderate to advanced conversation.

Expected Learning Outcomes

The content will include ablative fractional resurfacing with the erbium and CO₂ lasers, as well as non-ablative fractional resurfacing with non-ablative wavelengths and helium laser. Standard and advanced techniques for various entities including cosmetic indications, scars, and various dermatologic conditions will be discussed. Please note that there are other activities that deal with fractional resurfacing specifically for the treatment of scars in a very advanced manner, and this activity discusses scar treatment in a more global focus. A heavy emphasis on clinical training with tips and tricks and specific energy settings will be discussed.

State-of-the-Art in Tattoo Treatment “Masters” Luncheon

April 23, 201512:15 pm - 1:15 pm
 Room Miami
Refer to registration form for fees.

Directors: Jeremy A. Brauer, M.D., Roy G. Geronemus, M.D., E. Victor Ross, M.D.

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Educational Needs

This activity will provide an overview and update of past, present and future technologies and techniques in laser tattoo removal.

Designated Participants

The activity is designed for all practitioners from beginners to seasoned veterans.

Background Requirements

Participants should have a basic understanding of laser technology, specifically lasers designed for removal of pigmentation.

Expected Learning Outcomes

Attendees will obtain an understanding of the latest techniques and technology for the removal of all types of tattoos in various skin types.

Thursday, April 23, 2015	
12:15 pm - 12:19 pm	Introduction and Pre-Test - Jeremy A. Brauer, Roy G. Geronemus
12:20 pm - 12:34 pm	Overview of Lasers for Tattoo Removal - E. Victor Ross
12:35 pm - 12:49 pm	New Lasers and Concepts - Jeremy A. Brauer
12:50 pm - 1:04 pm	Cosmetic and Traumatic Tattoo Removal - Roy G. Geronemus
1:05 pm - 1:09 pm	Cases and Questions
1:10 pm - 1:15 pm	Conclusion and Post-Test - Jeremy A. Brauer, Roy G. Geronemus

Dermatology/Plastic Surgery MOC “Masters” Luncheon

April 23, 2015 12:15 pm- 1:15 pm
Room Sarasota
Refer to registration form for fees.

Directors: Omar A. Ibrahim, M.D.,
Ph.D., Kavita Mariwalla, M.D.

**Up to 25 MOC credits issued through
the American Board of Dermatology
are available.**

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Continuing Medical Education Credit

The American Society for Laser Medicine and Surgery, Inc. designates this live activity for a maximum of 1 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Education Credit

This offering by the ASLMS, in conjunction with Professional Medical Education Association is accredited for a maximum of 1.2 contact hours. Professional Medical Education Association is approved by the California Board of Registered Nursing, Provider # CEP 12386. Note: Most State Boards of Nursing accept another State Board's approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided. You will receive a statement of CE contact hours after the Annual Conference.

Educational Needs

Preparation for maintenance of certification for dermatology and plastic surgery, by reviewing key concepts pertaining to cutaneous laser medicine.

Participants

This activity is designed for diplomats in dermatology and plastic surgery. Also, other interested participants may join this session if space remains.

Background Requirements

Board certification or board eligibility in dermatology and plastic surgery recommended.

Instructional Content and/or Expected Learning Outcomes

At the conclusion of this activity, participants will be able to 1) demonstrate comprehension of key concepts of laser physics and laser-tissue interactions that underlie the efficacy of cutaneous laser and energy devices; 2) demonstrate understanding of safety in the clinical use of cutaneous laser and energy devices, including avoidance of burns and injuries, and 3) demonstrate the ability to appropriately select laser and energy devices for treatment of specific patient problems, so as to maximize effectiveness and minimize the risk of adverse events.

Device-Based Resurfacing, Rejuvenation and Recontouring Course

April 23, 2015 1:30 pm - 5:30 pm
 Room Osceola A
Refer to registration form for fees.

Directors: Christine C. Dierickx, M.D.,
 Arielle N.B. Kauvar, M.D.

Faculty: A. Jay Burns, M.D., Michael H. Gold, M.D., Mitchel P. Goldman, M.D., Suzanne L. Kilmer, M.D., Zakia Rahman, M.D., Thomas E. Rohrer, M.D., Matteo Tretti Clementoni, M.D.

ACCME Accreditation Statement
 The American Society for Laser Medicine and Surgery, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Continuing Medical Education Credit
 The American Society for Laser Medicine and Surgery, Inc. designates this live activity for a maximum of 3.75 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Education Credit
 This offering by the ASLMS, in conjunction with Professional Medical Education Association is accredited for a maximum of 4.5 contact hours. Professional Medical Education Association is approved by the California Board of Registered Nursing, Provider # CEP 12386. Note: Most State Boards of Nursing accept another State Board's approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided. You will receive a statement of CE contact hours after the Annual Conference.

Educational Needs

The objectives of this activity will be to present real and objective data on the devices and optimal techniques available for facial rejuvenation and body contouring.

Participants

This activity is aimed at physicians who wish to enhance their understanding of best practice methods in rejuvenation and body contouring.

Background Requirements

The prospective participant should ideally have a working understanding of the types of devices used in skin rejuvenation and non-invasive fat reduction. While this is not necessarily aimed at the novice, the material included will be very useful in providing a framework concerning optimal devices and will be enhanced by at least 25% of the time being devoted to an interactive discussion on each topic.

Instructional Content and/or Expected Learning Outcomes

It is expected that participants in this activity will be able to integrate this information into their knowledge base and improve competence and patient outcomes. The format of this activity will allow participants to ask specific questions, which could be answered in an open discussion format or privately after the session has been completed, if preferred.

Thursday, April 23, 2015	
1:30 pm - 1:34 pm	Introduction and Pre-Test - Arielle N.B. Kauvar, Christine C. Dierickx
1:35 pm - 1:55 pm	Non-Ablative Rejuvenation - Christine C. Dierickx
1:56 pm - 2:16 pm	Fractional Non-Ablative Resurfacing - Zakia Rahman
2:17 pm - 2:37 pm	Fractional Ablative Resurfacing - Matteo Tretti Clementoni
2:38 pm - 2:58 pm	Resurfacing Scars: My Approach - Arielle N.B. Kauvar
2:59 pm - 3:14 pm	Q&A
3:15 pm - 3:29 pm	Break
3:30 pm - 3:50 pm	Non-Surgical Face & Neck Lifting with RF - Michael H. Gold
3:51 pm - 4:11 pm	Non-Surgical Face & Neck Lifting with Ultrasound - Suzanne L. Kilmer
4:12 pm - 4:30 pm	Home Devices - Do They Work and Will this Mean the End of Office-Based Technology Procedures? - Thomas E. Rohrer
4:31 pm - 4:51 pm	Non-Invasive Body Contouring - My Approach - Mitchel P. Goldman

Device-Based Resurfacing, Rejuvenation and Recontouring Course

Thursday, April 23, 2015

4:52 pm - 5:10 pm	Do We Still Need Surgery for Rejuvenation and Contouring? A. Jay Burns
5:11 pm - 5:24 pm	Q&A
5:25 pm - 5:30 pm	Conclusion and Post-Test - Arielle N.B. Kauvar, Christine C. Dierickx

Scars, Burns and Trauma Course

April 23, 2015 1:30 pm - 5:30 pm
 Room Osceola B
Refer to registration form for fees.

Directors: David M. Ozog, M.D.,

Faculty: Sean G. Boutros M.D., Andrew C. Krakowski, M.D., Tapan Patel, M.B.B.S., M.R.C.P., Jane Petro, M.D., Peter R. Shumaker, M.D., Jeffrey W. Shupp, M.D., Matteo Tretti Clementoni, M.D., Jill S. Waibel, M.D., Elliot T. Weiss, M.D.

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Continuing Medical Education Credit
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Educational Needs
 The educational needs for this activity are to: 1) share clinical pearls, treatment tips and parameters for traumatic and burn scars to optimize patient therapy; 2) understand which laser and light modality you may choose to use in treatment of scars; 3) evaluate the current indications, new algorithms, limitations, and potential for laser and light-based devices in treating traumatic and burn scars; 4) gain insight for advanced techniques for scar laser reconstruction, and 5) discuss new fractional technologies and update on the latest research and future of fractional laser and light-based technology.

Participants
 This activity is designed for dermatologic laser surgeons, plastic surgery laser surgeons, plastic reconstructive burn surgeons, acute burn surgeons, and orthopedic surgeons.

Background Requirements
 Attendees should have knowledge and experience in treatment of scars.

Instructional Content and/or Expected Learning Outcomes
 This activity is directed at both potential and experienced users of laser and light technologies for traumatic and burn scars. The goal of this activity will be to share knowledge of scars and clinical tips to help in your office. We will have a comprehensive session including discussion of clinical, molecular and histological evaluation of scars. We will have top experts in burn reconstructive surgery, military, academic and private practice come together in a multidisciplinary panel to address this important topic. We will focus on laser parameters, treatment tips and pitfalls to help optimize patient scar treatment in your office. The activity will end with an enlightening talk on research and the future of scar treatment with laser therapy.

Thursday, April 23, 2015	
1:30 pm - 1:35 pm	Introduction and Pre-Test – David M. Ozog
1:36 pm - 1:51 pm	History of Burn Scar Treatment – Jane Petro
1:52 pm - 1:57 pm	Laser Tissue Interactions in Scar Rehabilitation – Peter R. Shumaker
1:58 pm - 2:10 pm	Histology and Biochemistry – David M. Ozog
2:11 pm - 2:29 pm	Military Experience and Technique – Peter R. Shumaker
2:30 pm - 2:44 pm	Ultra-High Energy Technique – Tapan Patel
2:45 pm - 2:59 pm	Pediatric Experience and Technique – Andrew C. Krakowski
3:00 pm - 3:14 pm	Q&A / Break
3:15 pm - 3:29 pm	Surgical Scars and Intralesional 5-FU – Elliot T. Weiss
3:30 pm - 3:44 pm	Macrofenestration with Carbon Dioxide Laser – Peter R. Shumaker

Scars, Burns and Trauma Course

Thursday, April 23, 2015

3:45 pm - 3:59 pm	Combined Use of Fat Grafting and Fractional Laser Resurfacing – Sean G. Boutros
4:00 pm - 4:29 pm	Reconstruction of Burn Hyperproliferative Lesions – Jeffrey W. Shupp
4:30 pm - 4:44 pm	Advanced Techniques for Optimizing Functional Rehabilitation – Matteo Tretti Clementoni
4:45 pm - 5:14 pm	Lessons Learned and Future Considerations – Jill S. Waibel
5:15 pm - 5:30 pm	Q&A and Post-Test – David M. Ozog

Hair and Pigment and Vascular Lesions Course

April 23, 2015 1:30 pm - 5:30 pm
 Room Osceola C
Refer to registration form for fees.

Directors: Paul M. Friedman, M.D., Roy G. Geronemus, M.D.

Faculty: Kenneth A. Arndt, M.D., Eric F. Bernstein, M.D., MSE, Henry H.L. Chan, M.B.B.S., Ph.D., FRCP, David J. Goldberg, M.D., J.D., Mitchel P. Goldman, M.D., Suzanne L. Kilmer, M.D., E. Victor Ross, M.D.

ACCME Accreditation Statement
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Continuing Medical Education Credit
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Continuing Education Credit
 This offering by the ASLMS, in conjunction with Professional Medical Education Association is accredited for a maximum of 4.4 contact hours. Professional Medical Education Association is approved by the California Board of Registered Nursing, Provider # CEP 12386. Note: Most State Boards of Nursing accept another State Board's approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided. You will receive a statement of CE contact hours after the Annual Conference.

Educational Needs

This activity is designed to provide participants with the most up-to-date knowledge about established and evolving technologies for the treatment of hair, pigmented and vascular lesions. Through didactic lectures and discussions, attendees will learn how to optimize daily patient care.

Participants

This activity is designed for physicians, allied health personnel and industry members who are interested in laser treatment of hair, pigmented and vascular lesions.

Background Requirements

Attendees should have a basic knowledge of laser physics, tissue interaction and the practical use of lasers for pigment, hair and vascular lesions. This activity is designed for attendees with all levels of clinical experience.

Instructional Content/Expected Learning Objectives

Attendees will achieve a greater understanding of the principles behind laser and energy devices, and learn about the most recent studies, techniques and treatment guidelines. Participants will be able to identify gaps in their understanding and performance based on the presentations. They will use this knowledge to close those gaps, reduce complications and improve clinical outcomes.

Thursday, April 23, 2015	
1:30 pm - 1:34 pm	Introduction & Pre-Test - Roy G. Geronemus, Paul M. Friedman
1:35 pm - 1:49 pm	Laser Physics and Tissue Interaction - E. Victor Ross
1:50 pm - 2:09 pm	Laser and Light Treatment of Pigmented Lesions - Paul M. Friedman
2:10 pm - 2:24 pm	Advances in Laser and Light Treatment of Melasma - Mitchel P. Goldman
2:25 pm - 2:39 pm	Discussion
2:40 pm - 2:59 pm	Laser Treatment of Tattoos - Kenneth A. Arndt
3:00 pm - 3:14 pm	Laser and Light Treatment of Hair - Suzanne L. Kilmer
3:15 pm - 3:29 pm	Discussion
3:30 pm - 3:49 pm	Break
3:50 pm - 4:09 pm	Laser and Light Treatment of Congenital and Acquired Vascular Lesions - Roy G. Geronemus
4:10 pm - 4:24 pm	Vascular Laser Treatment for Skin of Color - Henry H.L. Chan
4:25 pm - 4:39 pm	Discussion
4:40 pm - 4:54 pm	Laser and Light Treatment of Leg Veins - Eric F. Bernstein

Hair and Pigment and Vascular Lesions Course

Thursday, April 23, 2015

4:55 pm - 5:09 pm	Complications of Laser and Light Treatment of Vascular and Pigmented Lesions - David J. Goldberg
5:10 pm - 5:25 pm	Discussion
5:26 pm - 5:30 pm	Conclusion & Post-Test - Roy G. Geronemus, Paul M. Friedman

? TO PODIUM **Tech Connect - Non-CME Session**

Straight Talk Session Where Physicians Will Discuss Brand Names!

This three hour session facilitated by Drs. Geronemus, Green and Zachary will feature a group of experts each discussing their personal procedural and device preference, what works and how/why devices/techniques are used.

April 23, 2015 6:00 pm - 9:00 pm
 Room Florida Exhibit Hall D
Refer to registration form for fees.
Fee includes box meal with beverage.
Cash bar available.

Directors: Roy G. Geronemus, M.D.,
 Jeremy B. Green, M.D., Christopher B.
 Zachary, M.B.B.S., FRCP

Faculty: Lawrence S. Bass, M.D.,
 Jeremy A. Brauer, M.D., Jeffrey S.
 Dover, M.D., FRCPC, Paul M. Friedman,
 M.D., Jerome M. Garden, M.D., Mitchel
 P. Goldman, M.D., George J. Hruza,
 M.D., M.B.A., Michael S. Kaminer, M.D.,
 Kristen M. Kelly, M.D., Girish S. Munavalli
 M.D., M.H.S., David M. Ozog, M.D., E.
 Victor Ross, M.D., Emil A. Tanghetti,
 M.D., Elizabeth L. Tanzi, M.D., Jill S.
 Waibel, M.D., Robert A. Weiss, M.D.

Educational Needs

- Novice practitioners just introducing or having minimal experience using light energy, radiofrequency, ultrasound and/or cryolipolysis devices and/or more experienced practitioners who are interested in expanding their practice to new applications using alternative devices.
- Experienced (expert) practitioners interested in the comparison and contrasting of devices and procedural approaches used by other experts.

Background Requirements

No specific background requirements.

Instructional Content and/or Expected Learning Outcomes

As a result of expert panel members sharing their perspectives regarding specific technologies and procedural approaches, participants will:

- Be introduced to a broad spectrum of devices that can be considered for use in clinical practice.
- Be introduced to the use of specific devices for specific clinical procedures.
- Be provided a comparison and contrasting of specific devices for specific procedures. Participants will understand the benefits and disadvantages of using specific devices for specific procedures.
- Be better prepared to determine which device(s) to purchase for use in their clinical practice.
- Understand the limitations of devices which they currently use in their practice.
- Be better able to interpret and understand information provided by companies which vend devices and services.
- Compare and contrast features/benefits of technology so participants better understand the nuances of systems and how this plays out in clinical practice.

Thursday, April 23, 2015	
6:00 pm - 6:04 pm	Welcome and Acknowledgement of Corporate Sponsorship - Roy G. Geronemus, Jeremy B. Green, Christopher B. Zachary
6:05 pm - 6:34 pm	Blood Vessels / Q&A Dye vs KTP vs Alex vs Others Paul M. Friedman, Jerome M. Garden, Kristen M. Kelly



Tech Connect - Non-CME Session

Thursday, April 23, 2015

6:35 pm - 7:04 pm	Non-Invasive Body Shaping/Q&A CoolSculpting vs Ultrasound vs RF vs Others Lawrence S. Bass, Jeffrey S. Dover, Mitchel P. Goldman
7:05 pm - 7:34 pm	Pigment: Lentigines, Nevi, Tattoos and More/Q&A Millisecond vs Nano vs Pico vs Femto Jeremy A. Brauer, E. Victor Ross, Emil A. Tanghetti
7:35 pm - 8:04 pm	Manipulating Collagen and Elastin, Skin Tightening, Scar Relaxation and Modulation/Q&A Traditional CO ₂ /Er:YAG vs Fractionated Ablative/Non-Ablative vs Nano/Pico Girish S. Munavalli, David M. Ozog, Jill S. Waibel
8:05 pm - 9:00 pm	Devices Without Which, I Could Not Do/Q&A George J. Hruza, Michael S. Kaminer, Elizabeth L. Tanzi, Robert A. Weiss

Thank you!

ASLMS would like to acknowledge and thank Aerolase Corporation, Alma Lasers, Inc., Syneron-Candela, ThermiAesthetics, Valeant Pharmaceuticals North America, LLC, Zeltiq Aesthetics, Inc. and Zimmer MedizinSystems for sponsoring the Tech Connect Non-CME program.



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¹ www.RealSelf.com, world's largest community for information about cosmetic surgery, dermatology, dentistry, and other elective treatment, poll of 2200 females age 18-64

Maximizing Patient Satisfaction “Masters” Breakfast

April 24, 2015 6:45 am - 8:00 am
 Room Osceola 1-2
Refer to registration form for fees.

Directors: Doris Day, M.D., Jennifer L. MacGregor, M.D.

Faculty: Ashish C. Bhatia, M.D., Jeffrey S. Dover, M.D., FRCPC

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Continuing Education Credit
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Educational Needs

Clinical mastery of laser and energy devices is a prerequisite to using them successfully in clinical practice. But even the most talented laser surgeon needs a steady supply of patients to remain in business. This activity focuses on proven means for pleasing patients, meeting their needs and keeping them coming back.

Participants

This activity is designed for clinicians who are interested in maximizing patient satisfaction and retention.

Background Requirements

There are no specific prerequisites for attending this activity.

Instructional Content and/or Expected Learning Outcomes

At the conclusion of this activity, participants will: 1) develop ideas for maximizing clinical space, utilizing staff for maximal efficiency, and maintaining smooth patient flow in a busy laser practice; 2) utilize the initial consultation as a tool for enhancing patient satisfaction; 3) understand methods to expand patient referrals and retain existing patients, and 4) incorporate strategies for managing difficult patient cases and avoiding common pitfalls.

Friday, April 24, 2015	
6:45 am - 6:54 am	Introduction and Pre-Test - Doris Day, Jennifer L. MacGregor
6:55 am - 7:04 am	Maximizing Your Laser Practice - Ashish C. Bhatia
7:05 am - 7:14 am	Improving the Patient Experience at Their First Visit - Jennifer L. MacGregor
7:15 am - 7:24 am	Q&A
7:25 am - 7:34 am	Attracting Patients and Keeping Them - Jeffrey S. Dover
7:35 am - 7:44 am	Patient Cases - The Difference Between What the Patient Asks for and What They Really Need - Doris Day
7:45 am - 7:54 am	Q&A
7:55 am - 8:00 am	Conclusion and Post-Test - Doris Day, Jennifer L. MacGregor

Cellulite “Masters” Breakfast

April 24, 2015 6:45 am - 8 am
 Room Osceola 3-4
Refer to registration form for fees.

Directors: Bruce E. Katz, M.D.

Faculty: Deanne Mraz Robinson, M.D.
 F.A.A.D., Molly Wanner, M.D., M.B.A.

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Educational Needs

This activity will address the basic science behind the diagnosis of cellulite as well as different energy devices employed to improve the appearance of cellulite.

Participants

This activity is geared toward practitioners with an interest to understand further the entity of cellulite and treatment options. The target audience will be those already familiar with cellulite, looking to further their knowledge.

Background Requirements

There are no specific prerequisites for attending this activity.

Instructional Content and/or Expected Learning Outcomes

It is anticipated that participants will further their knowledge base on the diagnosis of cellulite as well as identifying which devices would most likely suit the needs of their practice.

Friday, April 24, 2015	
6:45 am - 6:54 am	Introduction and Pre-Test - Bruce E. Katz
6:55 am - 7:09 am	Cellulite, What is it and How Can We Treat it? - Molly Wanner
7:10 am - 7:24 am	Invasive Treatment of Cellulite - Bruce E. Katz
7:25 am - 7:39 am	Non-Invasive Treatment of Cellulite - Deanne Mraz Robinson
7:40 am - 7:54 am	Q&A
7:55 am - 8:00 am	Conclusion and Post-Test - Bruce E. Katz

Scar Wars “Masters” Breakfast

April 24, 2015 6:45 am - 8:00 am
 Room Osceola 5-6
Refer to registration form for fees.

Directors: Tina S. Alster, M.D., Gary P. Lask, M.D.

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Educational Needs
 This activity is designed to provide an overview of laser scar revision. An overview of the various lasers and techniques available to treat scars of all types will be presented.

Designated Participants
 The activity is designed for novice and experienced physicians as an overview along with an update on the latest techniques and technologies.

Background Requirements
 A basic understanding of laser technology would be beneficial.

Expected Learning Outcomes
 Attendees will obtain an understanding of the latest techniques and technology for laser scar revision in various skin types.

Friday, April 24, 2015	
6:45 am - 6:54 am	Introduction and Pre-Test - Tina S. Alster, Gary P. Lask
6:55 am - 7:14 am	Laser Scar Revision: Research and Clinical Practice - Tina S. Alster
7:15 am - 7:34 am	Laser Scar Revision: My Experience - Gary P. Lask
7:35 am - 7:54 am	Q&A
7:55 am - 8:00 am	Conclusion and Post-Test - Tina S. Alster, Gary P. Lask

Therapeutic Challenges and New Treatments Workshop

April 24, 2015 8:00 am - 10:00 am
 Room Florida Exhibit Hall D
**Included in Full Conference
 Registration Fee**

Director: Girish S. Munavalli, M.D.,
 M.H.S., Elizabeth L. Tanzi, M.D., Robert
 A. Weiss, M.D.

ACCME Accreditation Statement
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Continuing Medical Education Credit
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 participation in the activity.

Continuing Education Credit
 This offering by the ASLMS, in
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 Education Association is accredited
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 clarification. Certificates of Attendance
 will be provided. You will receive a
 statement of CE contact hours after the
 Annual Conference.

Educational Needs
 The purpose of this activity is to introduce the audience, in a structured and
 unbiased fashion, to new therapeutic options for treatment of cosmetically-
 concerning issues of the skin and body.

Participants
 This activity is designed to educate both physician and non-physician
 providers on the therapeutic options for the aforementioned treatments.

Background Requirements
 A strong interest in learning about device treatments for the
 aforementioned skin conditions. It helps if there is experience providing
 laser or other device treatments for cosmetic treatment of conditions in
 their patients practice.

Instructional Content and/or Expected Learning Outcomes
 Through the utilization of pre and post lecture question and answer
 sessions, it is our hope that the audience will identify areas of strengths
 and weaknesses in their knowledge base for treatment, and be able to
 discuss with the faculty and other audience members', specific methods for
 improving on treatment algorithms and optimal treatment settings.

Friday, April 24, 2015	
8:00 am - 8:04 am	Introduction and Pre-Test - Girish S. Munavalli, Elizabeth L. Tanzi, Robert A. Weiss
8:05 am - 8:19 am	"Pico Technology Beyond Tattoos" Treating Photoaging, Acne Scars and Striae - Robert A. Weiss
8:20 am - 8:34 am	New FDA Cleared Technologies for Long Term Cellulite Improvement - Robert A. Weiss
8:35 am - 8:49 am	Laser Scar Revision - Elizabeth L. Tanzi
8:50 am - 9:04 am	Update on Laser-Assisted Drug Delivery - Elizabeth L. Tanzi
9:05 am - 9:19 am	Updates on Treatment of Melasma - Girish S. Munavalli
9:20 am - 9:34 am	Lower Face Laxity - Novel Approaches for Treatment - Girish S. Munavalli
9:35 am - 9:54 am	Q&A
9:55 am - 10:00 am	Conclusion and Post-Test - Girish S. Munavalli, Elizabeth L. Tanzi, Robert A. Weiss

Pediatric Laser Focus Workshop

April 24, 2015 8:00 am - 10:00 am
 Room Osceola A
**Included in Full Conference
 Registration Fee**

Directors: Kristen M. Kelly, M.D.,
 Andrew C. Krakowski, M.D., Iris K.
 Rubin, M.D.

Faculty: Michael E. Nemergut, M.D.,
 Ph.D.

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Continuing Medical Education Credit
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Educational Needs
 The educational needs for this activity are to: 1) advance the science and collaboration surrounding pediatric laser medicine; 2) provide education in regards to the safe and effective clinical use of laser and energy devices as they relate to children's health; 3) involve residents and trainees in pediatric laser education, and 4) train non-medical clinical personnel who work in the pediatric procedural field. These objectives will be accomplished through didactic lectures, an expert panel and conversation with attendees.

Designated Participants
 This activity is open to all designated participants that may be interested in the use of laser and energy devices as they specifically relate to children's health.

Background Requirements
 Prior knowledge of lasers and their use in medicine and surgery may be helpful. The material presented will be directed at all knowledge levels, including those attendees choosing to learn about pediatric laser medicine for the first time.

Expected Learning Outcomes
 Attendees of this activity will develop a better understanding of the latest basic science and clinical research in lasers and energy devices as they pertain to pediatric procedural care. Likewise, they will be better able to select appropriate laser and energy device therapies for specific pediatric problems, be better able to anticipate, prevent, and manage adverse events associated with pediatric laser treatments, and collaborate with patients and caregivers to develop treatment plans that meet the specific physical and emotional needs of children. Gaps in attendees' knowledge and performance will be identified, and the information presented during this activity will be used to help improve pediatric clinical outcomes by anticipating and reducing possible complications. The specific nature of this activity provides unique opportunities for cross-fertilization of shared ideas by attendees that may help lead to clinical breakthroughs in the field of pediatric procedural care.

Friday, April 24, 2015	
8:00 am - 8:04 am	Introduction - Kristen M. Kelly <ul style="list-style-type: none"> • Welcome and Introduction of Faculty • Goals and Objectives • Why are Kids Different?
8:05 am - 8:14 am	Port Wine Stains - Kristen M. Kelly <ul style="list-style-type: none"> • At What Age of Patient Should you Start Lasing? • Optimal "Frequency" of Treatments? • When Do You Stop Treatment?

Pediatric Laser Focus Workshop

Friday, April 24, 2015	
8:15 am - 8:19 am	Hemangiomas - Iris K. Rubin <ul style="list-style-type: none"> • Role of Laser in Uncomplicated Hemangiomas in Era of Beta-Blockers • Lasing in Era of Beta-Blockers: New Risks and Considerations • Approach to Ulcerated Hemangiomas
8:20 am - 8:29 am	Expert Panel Q&A
8:30 am - 8:39 am	Scars, Burns and Wounds - Andrew C. Krakowski <ul style="list-style-type: none"> • Are Treatment Parameters Different in Kids? • At What Age of Patient/Scar Should you Start Treating? • Role of Laser-Assisted Delivery of Medications • Combining Treatment Modalities • Approach to Intraoperative and Post-Operative Pain Control
8:40 am - 8:44 am	Expert Panel Q&A
8:45 am - 8:54 am	Other “Vascular” Lesions (Case-Based Approach) - Faculty <ul style="list-style-type: none"> • Venous Malformations • Pyogenic Granuloma • Lymphangioma Circumscriptum • Angiofibroma
8:55 am - 8:59 am	Expert Panel Q&A
9:00 am - 9:09 am	Patient Safety/Experience - Iris K. Rubin <ul style="list-style-type: none"> • Eye Protection • Approach to Immobilization • Topical Pain Management • Local Pain Management
9:10 am - 9:24 am	Neurodevelopmental Risk and Serial General Anesthesia - Michael E. Nemergut
9:25 am - 9:34 am	Expert Panel Q&A
9:35 am - 9:49 am	Pigmented Lesions - Andrew C. Krakowski <ul style="list-style-type: none"> • Argument “For” (decreased tumor load and cosmesis) and “Against” (risk of malignant transformation and masking) • Approach to Congenital Nevi • Approach to Nevus of Ota • Approach to Becker’s Nevus • Role of Fractional Photothermolysis
9:50 am - 9:54 am	On the Horizon - Andrew C. Krakowski <ul style="list-style-type: none"> • Where are We and Where Do We Want to Be? • Introduction to the Collaborative Laser Effort to Advance Research (C.L.E.A.R.)
9:55 am - 10:00 am	Expert Panel Q&A and Post-Test - Kristen M. Kelly

Aesthetic Practice to Compliance Workshop

April 24, 2015 8:00 am - 10:00 am
 Room Osceola B
**Included in Full Conference
 Registration Fee**

Director: Patricia A. Owens, R.N.,
 M.H.A., C.M.L.S.O.

Faculty: Richard P. Felten, H. Ray
 Jalian, M.D., Kathy Keys, R.N., Raymond
 J. Lanzafame, M.D., M.B.A., F.A.C.S.,
 Laura L. McDermott, B.I.S., Penny J.
 Smalley, R.N., C.M.L.S.O., Rebecca L.
 Sprague, R.N., N.P.-C, Elizabeth L. Tanzi,
 M.D.

ACCME Accreditation Statement
 The American Society for Laser Medicine
 and Surgery, Inc. is accredited by the
 Accreditation Council for Continuing
 Medical Education to provide continuing
 medical education for physicians.

Continuing Medical Education Credit
 The American Society for Laser
 Medicine and Surgery, Inc. designates
 this live activity for a maximum of 2
 AMA PRA Category 1 Credit(s)[™].
 Physicians should claim only the credit
 commensurate with the extent of their
 participation in the activity.

Continuing Education Credit
 This offering by the ASLMS, in
 conjunction with Professional Medical
 Education Association is accredited
 for a maximum of 2.4 contact hours.
 Professional Medical Education
 Association is approved by the California
 Board of Registered Nursing, Provider
 # CEP 12386. Note: Most State Boards
 of Nursing accept another State Board's
 approval for granting credits. Check with
 the Board of Nursing in your state for
 clarification. Certificates of Attendance
 will be provided. You will receive a
 statement of CE contact hours after the
 Annual Conference.

Educational Needs
 This educational activity will address the specifics on collaborative
 practices within a medical aesthetic office, the safety control measures
 associated with each device, national and state laser safety regulations
 and standards, along with the medical legal aspects of physician delegation
 of a cosmetic procedure to non-physician clinicians. This activity will also
 address knowledge gap issues and provide information and strategies
 to incorporate best practices for safety and achieve better outcomes and
 reduce complications related to preventable errors related to safety.

Designated Participants
 This activity is designed for the beginner and experienced physicians,
 allied health personnel and industry members who are involved in a clinical
 based aesthetic practice.

Background Requirements
 Participant needs to have an understanding of basic laser technology along
 with knowledge of skin anatomy.

Expected Learning Outcomes
 At the conclusion of this activity, attendees will be able to: 1) identify the
 different types of professionals and their scope of practice working within
 a collaborative aesthetic clinic; 2) apply the ANSI standards along with
 other national safety regulations for the future care of patients, and 3)
 incorporate strategies in order to analyze the medical-legal aspects of a
 collaborative aesthetic practice.

Friday, April 24, 2015	
8:00 am - 8:04 am	Introduction, Pre-Test and Case Study - Patricia A. Owens
8:05 am - 8:18 am	Physician Supervisory Role and Best Practices with Ablative Resurfacing - Elizabeth L. Tanzi
8:19 am - 8:29 am	Protocol and Registered Nurse's Practice with Non-Ablative Resurfacing - Kathy Keys
8:30 am - 8:40 am	Protocol and Nurse Practitioner's Practice with Microwave Hyperhidrosis Treatment - Rebecca L. Sprague
8:41 am - 8:51 am	Protocol and Aesthetician's Practice with Laser Hair Removal - Laura L. McDermott
8:52 am - 9:01 am	Panel / Q&A
9:02 am - 9:13 am	ANSI Z136.3 Laser Standards, the LSO and the Office-Based Practice - Raymond J. Lanzafame
9:14 am - 9:26 am	FDA's Regulatory Impact on Aesthetic Practices - Richard P. Felten
9:27 am - 9:37 am	National and International Regulatory Dynamics - Penny J. Smalley
9:38 am - 9:49 am	Navigating the Medical/Legal Aesthetic Risks - H. Ray Jalian
9:50 am - 10:00 am	Panel/Q&A/Post-Test - Patricia A. Owens

Basic Mechanisms of Photobiomodulation Workshop

April 24, 2015 8:00 am - 10:00 am
 Room Osceola C
**Included in Full Conference
 Registration Fee**

Director: Juanita J. Anders, Ph.D.

Faculty: Praveen R. Arany, D.D.S.,
 M.D.S., M.M.Sc., Ph.D., Raymond J.
 Lanzafame, M.D., M.B.A.

ACCME Accreditation Statement
 The American Society for Laser Medicine and Surgery, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Continuing Medical Education Credit
 The American Society for Laser Medicine and Surgery, Inc. designates this live activity for a maximum of 2 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Education Credit
 This offering by the ASLMS, in conjunction with Professional Medical Education Association is accredited for a maximum of 2.4 contact hours. Professional Medical Education Association is approved by the California Board of Registered Nursing, Provider # CEP 12386. Note: Most State Boards of Nursing accept another State Board's approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided. You will receive a statement of CE contact hours after the Annual Conference.

Educational Needs

The use of "low level" light applications termed photobiomodulation is an expanding field with a broad range of applications in medicine, rehabilitation, dentistry and veterinary medicine. To appreciate how light can have therapeutic effects on many tissues and organs, it is essential to understand the molecular mechanisms involved. In this activity, experts in photobiomodulation will focus on the basics of light transmission through tissues and absorption by cytochromes in cells and tissues, and the role of signaling molecules, biological responses of cells and tissues to photons, and mechanistic convergence of photobiomodulation and clinical effects.

Participants

This activity is designed for scientists, engineers, health care professionals, and industrial representatives interested in low level light applications.

Background Requirements

Any scientist or health care provider working with energy based devices would benefit from understanding these basic light-biological interactions and how these processes may be occurring in many currently used energy based clinical modalities.

Instructional Content and/or Expected Learning Outcomes

At the conclusion of this activity, participants will understand the photobiological basis for light absorption by chromophores, be aware of specific wavelengths absorbed by different chromophores, gain knowledge of the depth of penetration of various wavelengths of light, be aware of the current proof for the mechanistic basis of photobiomodulation by understanding the role of different signaling molecules, appreciate the breadth of biological responses of cells and tissues after light treatments, and understand how all this mechanistic proof translates to a clinical efficacy.

Friday, April 24, 2015	
8:00 am - 8:05 am	Introduction and Pre-Test - Juanita J. Anders
8:06 am - 8:30 am	Light Penetration: Wavelength, Power and Target Tissue; Biological Chromophores and ATP as a Signaling Molecule - Juanita J. Anders
8:31 am - 8:35 am	Questions and Discussion
8:36 am - 9:15 am	The Role of Signaling Molecules in Photobiomodulation - Praveen R. Arany
9:16 am - 9:24 am	Questions and Discussion
9:25 am - 9:50 am	Mechanistic Convergence of Photobiomodulation and Clinical Effects - Raymond J. Lanzafame
9:51 am - 10:00 am	Questions, Panel Discussion & Post-Test - Juanita J. Anders

ASLMS PDT/PAPDT “Dermatologic Applications” Session

April 24, 2015 8:00 am - 10:05 am
 Room Osceola D

Macrene R. Alexiades-Armenakas, M.D., Ph.D., Co-Director
 Ron R. Allison, M.D., Co-Director
 Merrill A. Biel, M.D., Ph.D., Co-Director
 Merete Haedersdal, M.D., Co-Director

PDT Dermatology

Educational Needs

Photodynamic Therapy is a light based treatment used mainly for skin cancer. This session will review PDT mechanisms of action for both Dermatologic and Non-Dermatologic applications. The current state of the art in Dermatology will be reviewed.

Participants

Designed for clinicians, scientists, students and members of industry.

Background Requirements

No special background required for attendance.

Instructional Content and/or Expected Learning Outcomes

The current state of the art for dermatologic PDT will be examined. A clinically oriented basic science review of PDT in general and with emphasis on PDT for Dermatology will be highlighted. The indications and contraindications of PDT will be reviewed. It is expected that participants in these activities will identify gaps in their knowledge, competence or performance.

“Hot Topics”

- * State of the Art in Dermatologic PDT will be Detailed
- * The Use of Sunlight to Treat Skin Cancers will be Examined
- * Innovative Skin Treatments by PDT will be Highlighted
- * The Combination of PDT and Microabrasion will be Evaluated in Terms of Enhanced Outcome
- * A Large Clinical Review of Patients Undergoing PDT has Shown Outstanding Clinical and Cosmetic Results

Friday, April 24, 2015	
8:00 am – 8:05 am	WELCOME AND INTRODUCTION TO PDT <i>Ron R. Allison, Macrene R. Alexiades-Armenakas, Merete Haedersdal, Merrill A. Biel</i>
8:06 am – 8:15 am	FUNDAMENTALS OF PDT <i>Ron R. Allison*</i> , 21st Century Oncology, Greenville, NC
8:16 am – 8:25 am	DERMATOLOGIC PDT MECHANISMS <i>Macrene R. Alexiades-Armenakas*</i> , Dermatology and Laser Surgery, New York, NY
8:26 am – 8:40 am	PDT IN EUROPE – NEW INNOVATIONS INCLUSIVE DAYLIGHT PDT <i>Rolf-Markus Szeimies*</i> , Academic Teaching Hospital, Recklinghausen, Germany
8:41 am – 8:55 am	INTENSIFIED PDT WITH PHYSICAL PRE-TREATMENT REGIMENS <i>Merete Haedersdal*</i> , Bispebjerg Hospital, Copenhagen, Denmark
8:56 am – 9:20 am	MINI-SYMPOSIUM ON RESURFACING <i>Co-Chairs: Macrene R. Alexiades-Armenakas, Merete Haedersdal</i> <i>Amy Taub</i> , Advanced Dermatology, Lincolnshire, IL, <i>Michael Gold</i> , Gold Skin Care Center, Nashville, TN

*Presenter

ASLMS PDT/PAPDT “Dermatologic Applications” Session

April 24, 2015 8:00 am - 10:05 am
 Room Osceola D

Macrene R. Alexiades-Armenakas, M.D., Ph.D., Co-Director
 Ron R. Allison, M.D., Co-Director
 Merrill A. Biel, M.D., Ph.D., Co-Director
 Merete Haedersdal, M.D., Co-Director

Friday, April 24, 2015		
9:21 am – 9:29 am	114	NO-NEEDLE JET INTRADERMAL ALA-PDT FOR RECURRENT NODULAR BCC: A TREATMENT ALTERNATIVE TO MOHS MICROGRAPHIC SURGERY <i>Daniel Barolet*</i> , McGill University, Montreal, Quebec, Canada
9:30 am – 9:38 am	115	THE PHOTODYNAMIC THERAPY EXPERIENCE OF A HIGH VOLUME LASER AND DERMATOLOGIC SURGERY CENTER <i>David Orbuch*</i> , <i>Bradley Bloom</i> , <i>Jeremy Brauer</i> , <i>Joshua Greenbaum</i> , <i>Leonard Bernstein</i> , <i>Lori Brightman</i> , <i>Elliott Weiss</i> , <i>Robert Anolik</i> , <i>Daniel Shin</i> , <i>Roy Geronemus</i> , Laser & Skin Surgery Center of New York, New York, NY, University of Pennsylvania, Philadelphia, PA
9:39 am – 9:47 am	116	CLINICAL STUDY OF A PAINLESS PDT PROTOCOL FOR ACTINIC KERATOSES OF THE FACE AND SCALP <i>Edward V. Maytin*</i> , <i>Margo Riha</i> , <i>Allison Vidimos</i> , Cleveland Clinic, Cleveland, OH
9:48 am – 9:56 am	LB22	RANDOMIZED, BLINDED, PAIRED-DESIGN, CONTROLLED CLINICAL TRIAL OF FRACTIONAL CARBON DIOXIDE LASER RESURFACING-ASSISTED AMINO-LEVULINIC ACID PHOTODYNAMIC THERAPY FOR THE TREATMENT OF ACTINIC KERATOSES <i>Macrene Alexiades-Armenakas*</i> , Yale University School of Medicine, New York, NY
9:57 am – 10:05 am	LB23	TRANSFEROSOMAL METHYLENE BLUE MEDIATED PHOTODYNAMIC THERAPY FOR TREATMENT OF PLANTAR WARTS <i>Maha Fadel*</i> , <i>Kawser Kassab</i> , <i>Nevien Samy</i> , <i>Ghada Yassin</i> , Cairo, Egypt

*Presenter

Plenary Session (Conference Begins)

April 24, 2015 10:30 am - 12:00 pm
 Room Florida Exhibit Hall D

Juanita J. Anders, Ph.D., President
 Paul M. Friedman, M.D., Program Co-Chair
 G. David Baxter, TD, DPhil., Program Co-Chair

10:30-10:34 am

Program Co-Chair Welcome and Introduction

Paul M. Friedman, M.D.
 Dermatology & Laser Surgery Center of Houston
 Houston, TX
 G. David Baxter, TD, DPhil
 School of Physiotherapy
 Dunedin, New Zealand



Paul M.
Friedman, M.D.



G. David Baxter,
TD, DPhil

10:35-10:41 am

Presidential Address

Juanita J. Anders, Ph.D.
 Uniformed Services University of the Health Sciences
 Bethesda, MD



10:42-11:01 am

**Dr. Richard E. Fitzpatrick Tribute
 by R. Rox Anderson, M.D.**

“How to Change the World, Fitz-style”
 Dr. Richard E. Fitzpatrick, a long-standing member of the ASLMS, passed away on July 12, 2014. Dr. Fitzpatrick was known as the father of “laser resurfacing.” He was a leader in research, development and the clinical application of light based energy devices. An active Fellow of the ASLMS since 1983, Dr. Fitzpatrick served as president, as well as in numerous capacities to support the organization’s mission.



Richard E.
Fitzpatrick, M.D.



R. Rox
Anderson, M.D.

11:02-11:11 am

International Year of Light Presentation

“From Vietnam to the US and Back Again: Helping Kids with Disfiguring Vascular Birthmarks in Vietnam, a Humanitarian Medical Collaboration”

Thanh-Nga Tran, M.D., Ph.D.
 Arlington, MA



Plenary Session (Conference Begins)

April 24, 201510:30 am - 12:00 pm
 Room Florida Exhibit Hall D

Juanita J. Anders, Ph.D., President
 Paul M. Friedman, M.D., Program Co-Chair
 G. David Baxter, TD, DPhil., Program Co-Chair

11:12-11:16 am

Dr. Horace Furumoto Young Investigator Award
“Guiding Light - The Start of a Journey”

Jared Jagdeo, M.D., M.S.
 UC Davis Medical Center
 Sacramento VA Medical Center Dermatology Service
 Sacramento, CA



11:17-11:59 am

Keynote Speaker
“The Role of Directed Energy in the Next Revolution of Health Care”

Richard M. Satava, M.D., FACS

Dr. Richard M. Satava is a Professor Emeritus of Surgery at the University of Washington Medical Center.

Prior positions include professor of surgery at Yale University and a military appointment as professor of surgery (USUHS) in the Army Medical Corps assigned to general surgery at Walter Reed Army Medical Center and program manager of Advanced Biomedical Technology at the Defense Advanced Research Projects Agency (DARPA).

During his 23 years of military surgery he has been an active flight surgeon, an Army astronaut candidate, MASH surgeon for the Grenada Invasion, and a hospital commander during Desert Storm, all the while continuing clinical surgical practice. While striving to practice the complete discipline of surgery, he is aggressively pursuing the leading edge of advanced technologies to formulate the architecture for the next generation of medicine.



12:00-12:30 pm

ASLMS Business Meeting (Members Only)

? TO **PODIUM** **Cutaneous Laser Surgery Session**

April 24, 2015 1:30 pm - 5:30 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Educational Needs

This session will explore the use of energy-based devices, including lasers, to treat the full spectrum of cutaneous conditions amenable to treatment with these devices. New devices, new uses of established devices, and controlled studies demonstrating objective evidence of treatment effects will be presented, and discourse surrounding these topics from attendees will be encouraged. Maximizing results and minimizing complications with energy-based devices will be a prime objective of this session.

Participants

This session is for all health care practitioners, engineers and others scientists, or any interested individuals working with, or interested in learning about, energy-based devices used to treat skin and some subcutaneous tissues. All health care personnel will benefit by learning how to maximize results of treatment while minimizing complications.

Background Requirements

Participants with a basic understanding of skin biology and physics will derive maximal benefit from the presentations, however, all meeting attendees are welcome to attend and contribute.

Instructional Content and/or Expected Learning Outcomes

Attendees will learn about what's new in the field of cutaneous and subcutaneous lasers and energy-based devices. Presentations of new devices, and new uses for established devices will provide attendees with data they can incorporate into their practice or other work environment centered around energy-based devices in medicine.

"Hot Topics"

- * Picosecond Lasers for the Treatment of Tattoos and for Skin Rejuvenation
- * New Devices and Novel Data for Body Contouring
- * Advances in Hair Transplantation

Friday, April 24, 2015		
1:30 pm - 1:34 pm		Introduction
1:35 pm – 2:15 pm		ELLET H. DRAKE MEMORIAL AWARD RECIPIENT A DERMATOLOGIST AND GASTROENTEROLOGIST WALK INTO A BAR....A REAL LIFE ACCOUNT OF DR. ELLET DRAKE'S VISION <i>Brian D. Zelickson*</i> , Zel Skin & Laser Specialists, Edina, MN

Scars and Striae

Friday, April 24, 2015		
2:16 pm – 2:22 pm <i>(ePoster Available)</i>	46	EARLY INTERVENTION OF FRACTIONAL ABLATIVE LASER FOLLOWED BY 830nm LED PHOTOTHERAPY vs CONTROL FOR ACUTE BURN INJURIES <i>Jill Waibel*</i> , <i>Ashley Rudnick</i> , Miami, FL
2:23 pm – 2:29 pm	47	SYNERGIC USE OF PDL 595 AND CO₂ FRACTIONAL LASER TREATMENT FOR KELOIDS <i>Guillermo Aldana*</i> , <i>Martha Viera</i> , Aldana Laser, Caracas, Venezuela, University of Miami, Miami, FL
2:30 pm – 2:36 pm <i>(ePoster Available)</i>	48	FRACTIONAL CO₂ LASER FOR THE TREATMENT OF CAESAREAN SECTION SCARS - A RANDOMIZED SPLIT SCAR STUDY <i>Katrine Elisabeth Karmisholt*</i> , <i>Elisabeth Taudorf</i> , <i>Peter Philipsen</i> , <i>Merete Haedersdal</i> , Bispebjerg Hospital, Copenhagen, Denmark

*Presenter

? TO **PODIUM** **Cutaneous Laser Surgery Session**

April 24, 2015 1:30 pm - 5:30 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Friday, April 24, 2015

2:37 pm – 2:44 pm		Q&A
2:45 pm – 3:29 pm		Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F
3:30 pm – 3:36 pm	LB7	A RANDOMIZED, CONTROLLED CLINICAL TRIAL BASED ON SELECTIVE PHOTOTHERMOLYSIS OF SEBACEOUS FOLLICLES WITH GOLD MICROPARTICLES FOR TREATMENT OF ACNE <i>Witold Owczarek, Anna Suwalska, Katarzyna Lebkowska, Agnieszka Nawrocka, Elwira Paluchowska, Katarzyna Podolec, Magdalena Pirowska, Anna Wojas-Pelc, Dilip Paithankar*</i> , Military Institute of Medicine, Warsaw, Poland, Jagiellonian University, Krakow, Poland, Sebacia, Inc., Wayland, MA
3:37 pm – 3:43 pm	49	EVALUATION OF A 1540nm AND A 1410nm NON-ABLATIVE FRACTIONATED LASER FOR THE TREATMENT OF STRIAE <i>Krystle Wang, Nicholas Ross, Katie Osley, Michael Frank, Jouni Uitto, Joya Sahu, Nazanin Saedi*</i> , Thomas Jefferson University, Philadelphia, PA

Tightening

Friday, April 24, 2015

3:44 pm – 3:50 pm	50	A PILOT STUDY TO TREAT MILD TO MODERATE LAXITY OF LOWER FACE AND NECK WITH A BIPOLAR FRACTIONATED MICRONEEDLE RADIOFREQUENCY DEVICE <i>Matteo Tretti Clementoni, Ratchathorn Panchaprateep, Payman Kosari, Girish Munavalli*</i> , Istituto Dermatologico Europe, Milan, Italy, King Chulalongkorn Memorial Hospital, Bangkok, Thailand, Wake Forest University, Charlotte, NC
3:51 pm – 3:57 pm (ePoster Available)	51	PROSPECTIVE, SINGLE-SITE, SINGLE-BLINDED, RANDOMIZED, SPLIT-BODY PILOT STUDY OF THE SAFETY AND EFFECTIVENESS OF MICROFOCUSED ULTRASOUND WITH VISUALIZATION FOR LIFTING OF THE BUTTOCK <i>Sabrina Fabi, Mitchel Goldman, Douglas Wu*</i> , Leysin Fletcher, University of California, San Diego, CA
3:58 pm – 4:04 pm	LB8	FRACTIONAL CO₂ LASER ASSISTED DELIVERY OF TOPICAL ANESTHETICS: A RANDOMIZED CONTROLLED SUBJECT BLINDED PILOT STUDY <i>Arne Meesters*→, Myrna Bakker, Albert Wolkerstorfer</i> , Netherlands Institute for Pigment Disorders, Academic Medical Center, Amsterdam, Noord Holland, Netherlands

Hyperhidrosis

Friday, April 24, 2015

4:05 pm – 4:11 pm (ePoster Available)	52	A PROSPECTIVE, RANDOMIZED, SPLIT PATIENT STUDY TO COMPARE TWO METHODS OF ANESTHESIA FOR MICROWAVE TREATMENT OF EXCESS SWEATING <i>William Coleman*, Patrick Coleman</i> , Tulane Health Sciences Center, New Orleans, LA, Coleman Center for Cosmetic Dermatologic Surgery, Metairie, LA
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*Presenter, → ASLMS Travel Grant Recipient



Cutaneous Laser Surgery Session

April 24, 2015 1:30 pm - 5:30 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Friday, April 24, 2015

4:12 pm – 4:18 pm (ePoster Available)	53	LONG-TERM REGISTRY FOLLOW-UP FROM A MICROWAVE-BASED TREATMENT FOR AXILLARY HYPERHIDROSIS <i>Carolyn Jacob*</i> , <i>Steven Bloch</i> , <i>Suzanne Bruce</i> , <i>William Coleman</i> , <i>David Goldberg</i> , <i>Suzanne Kilmer</i> , <i>Michael Maris</i> , <i>Elizabeth Tanzi</i> , <i>David Vasily</i> , Chicago Cosmetic Surgery and Dermatology, Chicago, IL, Houston TX, Metairie, LA, New York, NY, Sacramento, CA, Dallas, TX, Washington, DC, Bethlehem, PA
4:19 pm – 4:29 pm		Q&A

Tattoo Removal

Friday, April 24, 2015

4:30 pm – 4:36 pm (ePoster Available)	54	A NEW PARADIGM FOR OPTIMAL TATTOO REMOVAL USING THREE PICOSECOND LASER WAVELENGTHS <i>Hamad Alabdulrazzaq*</i> , <i>Yoon-Soo Bae</i> , <i>Bradley Bloom</i> , <i>Jeremy A. Brauer</i> , <i>Robert Anolik</i> , <i>Leonard Bernstein</i> , <i>Elliot Weiss</i> , <i>Roy G. Geronemus</i> , Ministry of Health, Kuwait, Laser & Skin Surgery Center of New York, New York, NY
4:37 pm – 4:43 pm (ePoster Available)	55	EVALUATION OF A PERFLUORODECALIN-INFUSED TRANSPARENT PATCH FOR RAPID MULTI-PASS Q-SWITCHED HIGH FLUENCE LASER TREATMENTS OF TATTOOS <i>Brian Biesman*</i> , Nashville Centre for Laser and Facial Surgery, Nashville, TN
4:44 pm – 4:50 pm	56	PICOSECOND LASER TREATMENT OF EUROPEAN TATTOOS <i>Klaus Hoffmann*</i> , Ruhr University, Bochum, Germany
4:51 pm – 4:57 pm (ePoster Available)	57	TREATMENT OF RESISTANT TATTOOS WITH PICOSECOND ALEXANDRITE LASER <i>Christian Halvorson*</i> , <i>Robert Weiss</i> , <i>Margaret Weiss</i> , <i>Mary Trageser</i> , <i>Fran Lorden</i> , <i>Karen Beasley</i> , MD Laser Skin Vein Institute, Baltimore, MD
4:58 pm – 5:04 pm (ePoster Available)	58	CLINICAL EVALUATION OF THE PICOSECOND 532nm, 755nm AND 1064nm WAVELENGTHS FOR THE REMOVAL OF TATTOOS <i>Heidi Prather*</i> →, <i>Shraddha Desai</i> , <i>Laura Kruter</i> , <i>Joaninha Depina</i> , <i>Sean Doherty</i> , <i>Kenneth Arndt</i> , <i>Jeffrey Dover</i> , SkinCare Physicians, Chestnut Hill, MA, Cynosure, Westford, MA
5:05 pm – 5:11 pm	LB9	TATTOO REMOVAL WITH A DUAL WAVELENGTH PICOSECOND LASER: EFFECT OF TREATMENT INTERVAL <i>Arielle Kauvar*</i> , <i>Tina Alster</i> , <i>Eric Bernstein</i> , New York Laser & Skin Care, New York, NY, Washington Institute of Dermatologic Laser Surgery, Washington, DC, Mainline Center for Laser Surgery, Ardmore, PA
5:12 pm – 5:30 pm		Q&A

*Presenter, → ASLMS Travel Grant Recipient

? TO **PODIUM** **Basic Science and Translational Research Session**

April 24, 2015 1:30 pm - 5:30 pm
 Room Osceola C

Christopher G. Rylander, Ph.D., Co-Director
 Tianyi Wang, Ph.D., Co-Director

Educational Needs

These sessions promote understanding of basic processes of light interaction with tissue and cells, design of light-based diagnostic and therapeutic devices and techniques, and early translation of this knowledge to clinical application.

Participants

Scientists, engineers, medical practitioners as well as other healthcare professionals involved in biomedical applications of lasers are invited to attend.

Background Requirements

Participants should have a basic understanding or experience of how light interacts with tissues.

Instructional Content and/or Expected Learning Outcomes

These sessions will provide attendees knowledge of cutting-edge advances in optical diagnostics and therapeutics, and their early translation to the clinical management of patients. Novel results are presented that will impact the development of new and more efficacious, light-based diagnostic and therapeutic devices and applications. Characterization of light sources and safety issues are also considered.

“Hot Topics”

- * New Applications of Preclinical/Clinical Therapeutic Technology, Including: Short Pulsed Laser Therapy, Fractional Laser Therapy and Blue Light Therapy
- * Novel Imaging Modalities for Disease Diagnosis, Including: Laser Speckle Imaging, OCT and Multiphoton Microscopy

Diagnostic Imaging/Sensing I

Friday, April 24, 2015		
1:30 pm – 1:44 pm	1	MALIGNANT CHANGE AND MARGINS: NOVEL MINIATURIZED PROBES IN THE QUEST FOR MARKERS OF MALIGNANCY <i>Janet Ajdaharian</i> →*, <i>Valery Saikaly</i> , <i>William Ngo</i> , <i>Tatiana Krasieva</i> , <i>Tom Milster</i> , <i>Petra Wilder-Smith</i> , University of California, Irvine, CA, College of Optical Sciences, University of Arizona, Tucson, AZ
1:45 pm – 1:59 pm	2	PILOT STUDY ON IN VIVO MULTIPHOTON MICROSCOPY IMAGING OF BASAL CELL CARCINOMA <i>Mihaela Balu</i> *, <i>Christopher Zachary</i> , <i>Ronald Harris</i> , <i>Tatiana Krasieva</i> , <i>Karsten Koenig</i> , <i>Bruce Tromberg</i> , <i>Kristen Kelly</i> , Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA, JenLab GmbH, Jena, Germany
2:00 pm – 2:14 pm (ePoster Available)	3	BIOCHEMICAL CHANGES IN NORMAL SKIN CAUSED BY SQUAMOUS CELL CARCINOMA USING FTIR SPECTROSCOPY <i>Cássio Lima</i> *→, <i>Viviane Goulart</i> , <i>Luciana Correa</i> , <i>Denise Zzell</i> , Nuclear and Energy Research Institute, IPEN-CNEN/SP, University of São Paulo, São Paulo, Brazil
2:15 pm – 2:29 pm (ePoster Available)	4	NON-INVASIVE DIAGNOSIS OF HEMANGIOMAS USING DOPPLER OCT IMAGING <i>Anne Latrive</i> , <i>Lucia Regina Calvalcanti Teixeira</i> , <i>Anders Stevens Leonidas Gomes</i> , <i>Denise Maria Zzell</i> *, IPEN, Center for Lasers and Applications, São Paulo, Brazil, IMIP Hospital, Universidade Federal do Pernambuco, UFPE, Recife, Brazil

*Presenter, → ASLMS Travel Grant Recipient



Basic Science and Translational Research Session

April 24, 2015 1:30 pm - 5:30 pm
 Room Osceola C

Christopher G. Rylander, Ph.D., Co-Director
 Tianyi Wang, Ph.D., Co-Director

Friday, April 24, 2015

2:30 pm – 2:44 pm	LB1	FOCUSED MULTIPLE LASER BEAMS: THE NEW CONCEPT OF IRRADIATION WITH THE 1064nm Nd:YAG LASER FOR SKIN REJUVENATION - HISTOLOGICAL ANALYSES AND CLINICAL APPLICATION <i>Masatoshi Horiguchi*</i> , <i>Nariaki Miyata</i> , <i>Hiroshi Mizuno</i> , Todachuo General Hospital, Mitaka, Tokyo, Japan, Miyata Plastic Surgery and Dermatology Clinic, Minatoku, Tokyo, Japan, Juntendo University, Bunkyo, Tokyo, Japan
2:45 pm – 3:29 pm		Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F

Preclinical/Clinical Therapeutics I

Friday, April 24, 2015

3:30 pm – 3:59 pm		CAROLINE AND WILLIAM MARK MEMORIAL AWARD RECIPIENT LESSONS FROM 25 YEARS OF LASER-TISSUE INTERACTION STUDIES; A TALE OF PHOTONS, BUBBLES AND NEURONS <i>E. Duco Jansen*</i> , Vanderbilt University, Nashville, TN
4:00 pm – 4:14 pm	5	LIDOCAINE-INDUCED POTENTIATION OF THERMAL DAMAGE IN KERATINOCYTES, FIBROBLASTS, AND BASAL CELL CARCINOMA IN CULTURE <i>Martin Purschke*</i> , <i>Gary Chuang</i> , <i>Monica Le</i> , <i>Dieter Manstein</i> , <i>Mathew Avram</i> , <i>R. Rox Anderson</i> , Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA, University of Massachusetts Medical School, Worcester, MA
4:15 pm – 4:29 pm	6	PHOTODYNAMIC TREATMENT OF S. MUTANS BIOFILMS GROWN ON DIFFERENT SURFACES <i>Michelle Zoccolillo*</i> →, <i>Thomas Mang</i> , <i>Lynn Mikulski</i> , SUNY at Buffalo School of Dental Medicine, Buffalo, NY
4:30 pm – 4:44 pm	7	ANTIMICROBIAL BLUE LIGHT INACTIVATION OF MULTIDRUG-RESISTANT ACINETOBACTER BAUMANNII BIOFILMS <i>Yucheng Wang*</i> , <i>Ying Gu</i> , <i>Tianhong Dai</i> , Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA, Chinese PLA General Hospital, Beijing, China
4:45 pm – 4:59 pm	8	TOPICAL AXITINIB SUPPRESSES ANGIOGENESIS PATHWAYS INDUCED BY PULSED DYE LASER <i>Wenbin Tan*</i> , <i>Lin Gao</i> , <i>Dawnica Nadora</i> , <i>Sydney Phan</i> , <i>Margarita Chernova</i> , <i>Victor Sun</i> , <i>Salena Preciado</i> , <i>Wangcun Jia</i> , <i>Martin Mihm</i> , <i>J. Stuart Nelson</i> , Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA, Harvard University, Boston, MA
5:00 pm – 5:14 pm (ePoster Available)	9	COMPARISON STUDY OF RAPID REPETITION RATE AND CONTINUOUS NEAR INFRARED (NIR) LIGHT DEVICES: DETECTION OF THE DIFFERENT REACTIVE OXYGEN SPECIES INDUCED OXIDATIVE STRESS IN SKIN DURING IRRADIATION, RESPECTIVELY <i>Takahiro Fujimoto*</i> , <i>Shinobu Ito</i> , <i>Toshio Sujino</i> , <i>Hideko Kanazawa</i> , ClinicF, I.T.O. Co., Ltd., Tokyo University of Technology, School of Bioscience, Keio University, School of Pharmacy, Tokyo, Japan

*Presenter, → ASLMS Travel Grant Recipient

? TO PODIUM Basic Science and Translational Research Session

April 24, 2015 1:30 pm - 5:30 pm
 Room Osceola C

Christopher G. Rylander, Ph.D., Co-Director
 Tianyi Wang, Ph.D., Co-Director

Friday, April 24, 2015

5:15 pm – 5:30 pm	10	<p>MODELING AND VALIDATION OF TEMPERATURE VARIATIONS WITHIN A BLOOD VESSEL DURING LASER IRRADIATION <i>Wangcun Jia*</i>, Victor Sun, Gangjun Liu, Matija Milanič, Boris Majaron, Zhongping Chen, J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA, Casey Eye Institute, Oregon Health & Science University, Portland, OR, Norwegian University of Science and Technology, Trondheim, Norway, Jožef Stefan Institute, Ljubljana, Slovenia</p>
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*Presenter

? TO PODIUM **Photobiomodulation Session**

April 24, 2015 1:45 pm - 5:30 pm
 Room Osceola A

Juanita J. Anders, Ph.D., Co-Director
 Raymond J. Lanzafame, M.D., M.B.A., Co-Director
 Steve Tumilty, Ph.D., MPhty, Co-Director

Educational Needs

The purpose of this session is to present and discuss the latest findings on basic mechanisms of photobiomodulation, pre-clinical and clinical investigations on the critical parameters, mechanism, and effectiveness of light as a therapy for a broad range of clinical applications. Light and its photonic effects and photo-medicine in general have gained recognition as an area of innovative and novel research with significant clinical implications.

Participants

Scientists, engineers, medical practitioners, individuals in industry and other health care professionals involved in biomedical applications of light are invited to participate in these sessions.

Background Requirements

Participants should have an understanding of light interaction with biological tissues and basic and clinical research.

Instructional Content and/or Expected Learning Outcomes

This session will provide the latest data on basic science and clinical application of light in a wide spectrum of applications. The participants will increase their knowledge in this area and hopefully be stimulated to formulate new ideas to identify the mechanisms involved and the critical parameters needed for successful clinical application of light.

“Hot Topics”

- * Near-Infrared Light Stimulates Bone Repair After Ionizing Radiation
- * Photobiomodulation Increases Endurance During Exercise
- * Near-Infrared Light Combined With Stem Cells Repairs Articular Cartilage Defects
- * Photobiomodulation: A Promising Therapy for Low Back and Neuropathic Pain – Pre-clinical and Clinical Evidence

Friday, April 24, 2015		
1:45 pm – 1:55 pm <i>(ePoster Available)</i>	124	LOW LEVEL LASER THERAPY IN THE REPAIR OF RAT TIBIAE EXPOSED TO IONIZING RADIATION: HISTOLOGICAL EVALUATION <i>Meire Abramoff*, Max Pereira, Maria Teresa Alves, Roberto Segreto, Arnaldo Guilherme, Lydia Ferreira, Universidade Federal de São Paulo, São Paulo, Brazil</i>
1:56 pm – 1:59 pm		Discussion
2:00 pm – 2:10 pm	125	IN VIVO MECHANISMS OF PHOTOPREVENTION IN A PIG MODEL <i>Daniel Barolet*, McGill University, Montreal, Quebec, Canada</i>
2:11 pm – 2:14 pm		Discussion
2:15 pm – 2:25 pm <i>(ePoster Available)</i>	126	CHARACTERIZATION AND MODULATION OF MACROPHAGE/MICROGLIAL ACTIVATION IN AN ANIMAL MODEL OF NEUROPATHIC PAIN <i>Ann Ketz*, Xingjia Wu, Brian Pryor, Juanita Anders, Landstuhl Regional Medical Center, Landstuhl, Germany, Uniformed Services University of the Health Sciences, Bethesda, MD, LiteCure LLC, Newark, DE</i>
2:26 pm – 2:29 pm		Discussion

*Presenter



Photobiomodulation Session

April 24, 2015 1:45 pm - 5:30 pm
 Room Osceola A

Juanita J. Anders, Ph.D., Co-Director
 Raymond J. Lanzafame, M.D., M.B.A., Co-Director
 Steve Tumilty, Ph.D., MPhty, Co-Director

Friday, April 24, 2015

2:30 pm – 2:40 pm	LB25	LLLT FOR MELASMA: A PILOT STUDY <i>Daniel Barolet*</i> , Gregory Cormack, McGill University, Montreal, Quebec, Canada
2:41 pm – 2:44 pm		Discussion
2:45 pm – 3:29 pm		Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F
3:30 pm – 3:40 pm	128	EFFECTIVENESS OF LOW-LEVEL LASER THERAPY FOR TREATMENT OF TOENAIL ONYCHOMYCOSIS <i>Steven Shanks*</i> , Erchonia Corporation, McKinney, TX
3:41 pm – 3:44 pm		Discussion
3:45 pm – 3:55 pm	129	EFFECT OF CULTURED MESENCHYMAL STEM CELLS WITH SCAFFOLD AND THERAPEUTIC LASER ON HEALING RATE OF ARTICULAR CARTILAGE DEFECTS IN RABBIT: A HISTOLOGICAL STUDY <i>Reza Fekrazad, Arman Mohammadi Shayan, Mohammadreza Baghban Eslaminejad, Katayoun A.M. Kalhori*</i> , Leila Taghiyar, Mir Sepehr Pedram, Mostafa Sadeghi, AJA University of Medical Sciences, Islamic Azad University, Iranian Medical Laser Association, Royan Institute for Stem Cell Biology and Technology, Tehran University, Tehran, Iran, Gorgan Faculty of Dentistry, Gorgan, Iran
3:56 pm – 3:59 pm		Discussion
4:00 pm – 4:10 pm	130	PHOTOBIMODULATION-INDUCED FIRST-ORDER PHASE TRANSITION OF MYOBLAST PROLIFERATION <i>Timon Cheng-Yi Liu*</i> , Fang-Hui Li, De-Feng Wu, Quan-Gang Zhang, Laboratory of Laser Sports Medicine, South China Normal University, Guangzhou, Guangdong, China, Institute of Molecular Medicine and Genetics, Medical College of Georgia at Georgia Regents University, Augusta, GA
4:11 pm – 4:14 pm		Discussion
4:15 pm – 4:25 pm	LB26	EFFECT OF LOW INTENSITY LASER ON THE APOPTOSIS OF SQUAMOUS CARCINOMA CELLS <i>Katia Vale*</i> , Tatiana Schalch, Maria Helena Fernandes, João Miguel Rodrigues, Monica Garcia, Raquel Mesquita-Ferrari, Sandra Bussadori, Kristianne Fernandes, Universidade Nove de Julho- UNINOVE, São Paulo, Brazil, FMD Universidade do Porto, Porto, Portugal
4:26 pm – 4:29 pm		Discussion
4:30 pm – 4:40 pm	LB27	LOW LEVEL LASER THERAPY IMPROVES CARDIOVASCULAR AUTONOMIC ACTIVITY IN SPONTANEOUSLY HYPERTENSIVE RATS <i>Bianca Silva, Suely Tomimura, Iris Sanches, Marina Canal, Nathali Pinto, Otavio Madi, Felipe Conti, Katia De Angelis, Fernanda Colombo, M. Cristina Chavantes*</i> , Universidade Nove de Julho (UNINOVE), Universidade de São Paulo (INCOR-USP), São Paulo, Brazil
4:41 pm – 4:44 pm		Discussion

*Presenter

? TO PODIUM **Photobiomodulation Session**

April 24, 2015 1:45 pm - 5:30 pm
 Room Osceola A

Juanita J. Anders, Ph.D., Co-Director
 Raymond J. Lanzafame, M.D., M.B.A., Co-Director
 Steve Tumilty, Ph.D., MPhty, Co-Director

Friday, April 24, 2015

4:45 pm – 4:55 pm <i>(ePoster Available)</i>	LB28	THE EFFECT OF LOW-LEVEL LASER THERAPY ON OXIDATIVE STRESS AND FUNCTIONAL FITNESS IN ELDERLY RATS SUBJECTED TO SWIMMING, AN AEROBIC EXERCISE <i>Evela Pereira Silva*, Anna Cristina Marques, Vanessa Cavalcante, Simone Adriana Guaraldo, Kamila Cerrados, Paulo de Tarso Camillo de Carvalho, Universidade Nove de Julho, São Paulo, Brazil</i>
4:56 pm – 4:59 pm		Discussion
5:00 pm – 5:10 pm	LB29	EFFECTS OF LOW LEVEL LASER EXPOSURE ON CALCIUM CHANNELS AND INTRACELLUALR RELEASE IN CULTURED ASTROCYTES <i>Thomas Mang*, Mohammed Maneshi, David Shucard, Susan Hua, Fred Sachs, University at Buffalo, Buffalo, NY</i>
5:11 pm – 5:14 pm		Discussion
5:15 pm – 5:25 pm	LB30	GLUTAMINE ADDICTION AND ITS PHOTOBIMODULATION <i>Timon Cheng-Yi Liu*, Shao-Juan Hu, Yan-Ying Liu, Ya-Jun Yang, Laboratory of Laser Sports Medicine, South China Normal University, Guangzhou, Guangdong, China</i>
5:26 pm – 5:30 pm		Discussion

*Presenter

? TO PODIUM **Laser Dental Applications Session**

April 24, 2015 1:30 pm - 5:30 pm
 Room Osceola B

Praveen R. Arany, D.D.S., M.D.S., M.M.Sc., Ph.D., Director

Session I: Research

Educational Needs

The purpose of this session is to highlight the latest developments in light based research and clinical applications with specific emphasis in dentistry. The field of dentistry has always been at the leading edge of adopting new technologies, including biomaterials for restorations and implants or novel devices for pain or inflammation relief. Lasers and photonic devices have aided many aspects of clinical dentistry including effective illumination, curing composites and surgery.

Participants

Dentists, physicians, scientists, health care professionals, engineers and other personnel involved in biomedical applications of light are invited to participate in this session.

Background Requirements

Participants should have a basic understanding of light biological tissue interactions and basic knowledge of lab and clinical research.

Instructional Content and/or Expected Learning Outcomes

The presenters will highlight their recent observations on the molecular mechanism and practical utility of using laser-based technologies for diagnostics and therapy in dentistry. Participants in this session will gain knowledge about the rationale, approaches and results of using research techniques to better understand lasers for clinical dental applications.

“Hot Topics”

- * Use of Stem Cells With Light Therapy for Regenerative Applications
- * Mechanisms of Laser Phototoxicity That Could Aid in Clinical Dosing
- * Imaging Pulpal Blood Flow for Improved Vitality Testing
- * Effects of Lasers on Neural Tissue
- * Laser Applications in Dentin Sensitivity Management

Friday, April 24, 2015		
1:30 pm – 1:44 pm	90	THE EFFECTS OF COMBINED LLLT AND MESENCHYMAL STEM CELLS ON BONE REGENERATION IN RABBIT CALVARIAL DEFECTS <i>Reza Fekrazad, Mostafa Sadeghi Ghuchani, Mohammadreza Baghban Eslaminejad, Leila Taghiyar, Katayoun A.M. Kalhori*, Mir Sepehr Pedram, Arman Mohammadi Shayan, Naser Aghdami, Heidi Abrahamse, AJA University of Medical Sciences, Royan Institute for Stem Cell Biology and Technology, Iranian Medical Laser Association, Tehran University, Tehran, Iran, Golestan University, Gorgan, Iran, Johannesburg University, Johannesburg, South Africa</i>
1:45 pm – 1:59 pm (ePoster Available)	91	ER STRESS-MEDIATED BY ATF-4 ORCHESTRATES NEAR-INFRARED LASER PHOTOTOXICITY <i>Imran Khan*, Elieza Tang, Praveen Arany, National Institute of Health, Bethesda, MD</i>
2:00 pm – 2:14 pm	92	MEASUREMENT OF PULSATILE FLOW IN THE TEETH USING LASER SPECKLE IMAGING <i>Caitlin Regan*, Sean White, Bruce Yang, Petra Wilder-Smith, Bernard Choi, Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA</i>

*Presenter



Laser Dental Applications Session

April 24, 2015 1:30 pm - 5:34 pm
 Room Osceola B

Praveen R. Arany, D.D.S., M.D.S., M.M.Sc., Ph.D., Director

Friday, April 24, 2015

2:15 pm – 2:24 pm	97	IN VITRO PHOTODYNAMIC INACTIVATION OF CANDIDA ALBICANS BY PHENOTHIAZINE DYE (NEW METHYLENE BLUE) AND INDOCYANINE GREEN (EMUNDO®) <i>Reza Fekrazad*</i> , Vadood Ghasemi Barghi, Arash Poorsattar Bejeh Mir, Masoumeh Shams Ghafarrokhi, Katayoun A.M. Kalhori, AJA University of Medical Sciences, Tarbiat Modarres University, Tehran, Iran, Ardabil University, Ardabil, Iran, Dental Material Research Center, Babol University, Babol, Iran
2:25 pm – 2:34 pm (ePoster Available)	94	ASSESSMENT TO THE OPTICAL ATTENUATION COEFFICIENT OF ERODED DENTIN <i>Marcia Moraes*→</i> , Ana Aranha, Denise Zezell, Anderson Freitas, IPEN – CNEN/SP, University of São Paulo, São Paulo, Brazil
2:35 pm – 2:44 pm	95	THE EVALUATION OF EFFECTS OF DIODE LASER WELDING ON SCIATIC NERVE INJURY IN RAT <i>Reza Fekrazad*</i> , Omid Mortezaei, Mir Sepehr Pedram, Katayoun A.M. Kalhori, Fatemeh Mashadi Abbas, AJA University of Medical Sciences, Tehran University of Medical Sciences, Iranian Medical Laser Association, Shahid Beheshti University, Tehran, Iran
2:45 pm – 3:29 pm		Break/View ePosters/Visit the Exhibits – Florida Exhibit Halls E&F

Session II: Clinical Research

Educational Needs

Clinical dentistry has always been at the leading edge of adopting new technologies, including biomaterials for restorations and implants or novel devices for pain or inflammation relief. While the use of lasers and photonic devices are increasingly popular, clinical applications and protocol regimens for their use vary widely. This session attempts to showcase various ongoing and future clinical applications for these devices.

Participants

Dentists, physicians, scientists, health care professionals, engineers and other personnel involved in biomedical applications of light are invited to participate in this session.

Background Requirements

Participants should have a basic understanding of light biological tissue interactions and basic knowledge of lab and clinical research.

Instructional Content and/or Expected Learning Outcomes

The presenters in this second dental session will highlight current clinical use and evolving clinical research that will aid development of future applications of laser-based technologies for diagnostics and therapy. Participants in this session will gain knowledge about clinical applications and latest clinical research in the field of lasers in dentistry.

“Hot Topics”

- * Clinical Utility of Lasers in Dentistry Highlighting Both High and Low Power Applications
- * Case Studies on the Use of Lasers for TMJ Pain Relief
- * Use of Lasers for Effective Clinical Implant Placement
- * Complex Medical Case Management Using Lasers in Dental Clinic
- * Photodynamic Therapy for Antimicrobial and Premalignant Lesions

*Presenter, → ASLMS Travel Grant Recipient

? TO PODIUM **Laser Dental Applications Session**

April 24, 2015 1:30 pm - 5:34 pm
Room Osceola B

Praveen R. Arany, D.D.S., M.D.S., M.M.Sc., Ph.D., Director

Friday, April 24, 2015

3:30 pm – 3:44 pm	96	APPLICATION OF PHOTOBIO-MODULATION IN A GENERAL DENTAL PRACTICE <i>Gerry Ross*</i> , Tottenham, Ontario, Canada
3:45 pm – 3:59 pm	LB21	DIFFERENT WAVELENGTHS ABSORPTION IN DIFFERENT TISSUE KINDS: EX VIVO STUDY WITH A SUPERCONTINUUM BROADBAND SOURCE <i>Carlo Fornaini*</i> , <i>Michele Sozzi</i> , <i>Elisabetta Merigo</i> , <i>Federica Poli</i> , <i>Stefano Selleri</i> , <i>Piergiorgio Pasotti</i> , <i>Anna Maria Cucinotta</i> , University of Parma, Parma, Italy
4:00 pm – 4:14 pm (ePoster Available)	98	TOPICAL PHOTODYNAMIC THERAPY OF LEUKOPLAKIA IN ORAL CAVITY – SIX MONTHS STUDY <i>Roman Smucler*</i> , Prague, Czech Republic
4:15 pm – 4:29 pm	99	PLACE DENTAL IMPLANT ONLY WITH LASER <i>Martiniano Francischetti*</i> , Mar del Plata, Argentina
BEST RESIDENT/FELLOW AWARD RECIPIENT		
4:30 pm – 4:39 pm (ePoster Available)	100	COMPARISON OF ANTIMICROBIAL PHOTODYNAMIC THERAPY AND Er,Cr:YSGG LASER ASSISTED PERIODONTAL POCKET THERAPY IN THE TREATMENT OF AGGRESSIVE PERIODONTITIS: A PILOT STUDY <i>Kirti Chawla*→</i> , <i>Arundeeep Lamba</i> , <i>Mahesh Verma</i> , Maulana Azad Institute of Dental Sciences, New Delhi, India
4:40 pm – 4:49 pm	LB19	A COMPARISON OF THE IMMEDIATE PAIN REDUCTION AFTER CLASS 4 LASER IN A NEUROPATHIC PAIN GROUP vs A MYOGENOUS PAIN GROUP IN A HEAD AND NECK PAIN CLINIC <i>Paul Bradley*</i> , <i>Neil Spielholz</i> , Nova Southeastern University, Fort Lauderdale, FL
4:50 pm – 4:59 pm (ePoster Available)	102	EVALUATION OF LOW LEVEL LASER THERAPY IN TEMPOROMANDIBULAR JOINT DISORDERS <i>Neha Yadav*</i> , <i>Arundeeep Lamba</i> , <i>Farrukh Faraz</i> , <i>Shruti Tandon</i> , Maulana Azad Institute of Dental Sciences, New Delhi, India
5:00 pm – 5:14 pm	101	USING DENTAL LASERS TO TREAT MEDICALLY COMPROMISED PATIENTS <i>Mel Burchman*</i> , Langhorne, PA
5:15 pm – 5:24 pm	LB20	IMMEDIATE RESULTS OF PHOTODYNAMIC THERAPY FOR THE TREATMENT OF HALITOSIS IN ADOLESCENTS: A RANDOMIZED, CONTROLLED, CLINICAL TRIAL <i>Rubia Lopes</i> , <i>Ana Carolina Mota*</i> , <i>Carolina Soares</i> , <i>Olinda Tarzia</i> , <i>Alessandro Deana</i> , <i>Renato Prates</i> , <i>Cristiane França</i> , <i>Kristianne Fernandes</i> , <i>Raquel Mesquita-Ferrari</i> , <i>Sandra Kalil</i> , Nove de Julho University, FOB University of São Paulo, São Paulo, Brazil

*Presenter, → ASLMS Travel Grant Recipient

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TO
PODIUM

ASLMS PDT/PAPDT Session

April 24, 2015 1:30 pm - 5:30 pm
 Room Osceola D

Macrene R. Alexiades-Armenakas, M.D., Ph.D., Co-Director
 Ron R. Allison, M.D., Co-Director
 Merrill A. Biel, M.D., Ph.D., Co-Director
 Merete Haedersdal, M.D., Co-Director

Photodiagnosis and Photodynamic Therapy: ENT Tumors, Chair: Merrill A. Biel

Educational Needs

Photodynamic Therapy can ablate head and neck tumors and allow for a high functional outcome. Further, the current Photosensitizers used in PDT also fluoresce allowing surgeons a better ability to detect and resect tumors with clear margins. This session will highlight PDT for tumors and other applications such as fluorescent detection of tumors of the head and neck. The limitations of current technology will be detailed.

Participants

Designed for clinicians, scientists, students and members of industry.

Background Requirements

No special background required for attendance.

Instructional Content and/or Expected Learning Outcomes

The current state of the art for PDT to head and neck tumors will be reviewed. The additional ability of the Photosensitizer to illuminate the tumor will be emphasized. The expanding use of PDT for the oral cavity will be highlighted. Limitations in the technology will be discussed. It is expected that participants in these activities will identify gaps in their knowledge, competence or performance.

“Hot Topics”

- * PDT Allows Tumors to be Lit Up and Visualized
- * The Growing Use of PDT for the Oral Cavity will be Reviewed
- * Fluorescent Guided Resection for ENT Tumors Results in Less Side Effects and Better Outcomes

Friday, April 24, 2015	
1:30 pm – 1:49 pm	UPDATE ON PDT FOR ENT <i>Merrill A. Biel*</i> , Ear, Nose and Throat SpecialtyCare of MN, Minneapolis, MN
1:50 pm – 2:19 pm	FLUORESCENCE IMAGE GUIDED SURGERY IN ENT <i>Eben Rosenthal*</i> , University of Alabama at Birmingham, Birmingham, AL
2:20 pm – 2:44 pm	LIGHTS, PHOTSENSITIZERS AND DOSIMETRY FOR ENT PD/PDT <i>Thomas Mang*</i> , SUNY at Buffalo School of Dental Medicine, Buffalo, NY
2:45 pm – 3:29 pm	Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F

*Presenter

? TO **PODIUM** **ASLMS PDT/PAPDT Session**

April 24, 2015 1:30 pm - 5:30 pm
 Room Osceola D

Macrene R. Alexiades-Armenakas, M.D., Ph.D., Co-Director
 Ron R. Allison, M.D., Co-Director
 Merrill A. Biel, M.D., Ph.D., Co-Director
 Merete Haedersdal, M.D., Co-Director

PDT Science, Co-Chairs: Sandra Gollnick, Imran Rizvi

Educational Needs

Photodynamic therapy is clinically simple - involving a drug, light and reaction to ablate lesions. However the basic science mechanisms behind this therapy is rather complex in terms of biology and physics. These sessions will review the state of the art in mechanisms of action of PDT.

Participants

Designed for clinicians, scientists, students and members of industry.

Background Requirements

No special background required for attendance.

Instructional Content and/or Expected Learning Outcomes

The biological basis of PDT will be reviewed with an emphasis on new and recent findings. Photosensitizers and Photodynamic reaction will be analyzed as will downstream reactions including immune modulation. A special session on innovative light sources will be included. It is expected that participants in these activities will identify gaps in their knowledge, competence or performance.

“Hot Topics”

- * A Novel Light Source that can be Worn by Patients will be Highlighted
- * Genetic Mechanisms of Action of PDT will be Elucidated
- * The Potential for PDT to Serve as a Cancer Vaccine will be Reviewed

Friday, April 24, 2015		
3:30 pm - 3:56 pm		BASIC SCIENCE UPDATE 1 <i>Imran Rizvi*</i> , Wellman Center for Photomedicine, Boston, MA
3:57 pm - 4:23 pm		BASIC SCIENCE UPDATE 2 <i>Sandra Gollnick*</i> , Roswell Park Cancer Center, Buffalo, NY
4:24 pm - 4:50 pm		INNOVATIVE LIGHT SOURCES <i>Serge Mordon*</i> , OCR-TUT, Tampere, France
4:51 pm - 5:00 pm	LB24	TARGETING BIOLOGICAL DETERMINANTS OF TREATMENT SUSCEPTIBILITY FOR PDT-BASED COMBINATIONS <i>Imran Rizvi*, Emma Briars, Sriram Anbil, Heather Gudejko, Nan Xu, Shazia Khan, Gwendolyn Cramer, Jonathan Celli, Tayyaba Hasan</i> , Wellman Center For Photomedicine, Massachusetts General Hospital, University of Massachusetts, Boston, MA
BEST EARLY CAREER SCIENTIST AWARD RECIPIENT		
5:01 pm - 5:10 pm <i>(ePoster Available)</i>	117	FROM ZERO TO DEATH: MECHANISTIC STUDY IN PHOTODYNAMIC THERAPY USING VERTEPORFIN IN HUMAN KB CARCINOMA CELLS <i>Josue Ordaz*</i> ➔, <i>Sakkarapalayam Mahalingam, Philip Low</i> , Indiana University, Purdue University, West Lafayette, IN

*Presenter, ➔ ASLMS Travel Grant Recipient



ASLMS PDT/PAPDT Session

Friday, April 24, 2015		
5:11 pm - 5:20 pm (ePoster Available)	118	NEW PROPOSAL TO EVALUATE <i>IN VITRO</i> THE TRANSDERMAL DRUG PERMEATION USING OPTICAL PERMEATION METHODS <i>Priscila Fernanda Campos de Menezes*→, Alessandra Keiko Lima Fujita, Michelle Barreto Requena, Sebastião Pratavieira, Cristina Kurachi, Andre Escobar, Andriago Barboza de Nardi, Vandelei S. Bagnato, Biophotonics Laboratory, São Carlos Institute of Physics, University of São Paulo, São Carlos-SP, Brazil, São Paulo State University, Jaboticabal-SP, Brazil</i>
5:21 pm - 5:30 pm	119	MEASURING AND MODULATING TUMOR MICROENVIRONMENT IN PHOTODYNAMIC THERAPY <i>Theresa Busch*, Shannon Gallagher-Colombo, Malavika Chandra, Wesley Baker, A.G. Yodh, Peter Ahn, Jarod Finlay, University of Pennsylvania, Philadelphia, PA</i>

*Presenter, → ASLMS Travel Grant Recipient

Celebration of ASLMS Women in Energy-Based Devices

April 24, 2015 6:00 pm - 8:00 pm
 Room Naples
**Included in Full Conference
 Registration Fee**

Director: Juanita J. Anders, Ph.D.
Panel Moderator: Yasaman Damestani

All ASLMS attendees welcome to attend!

Join us for an early evening of networking and inspiration. The evening will include guest presentations by Dr. Nozomi Nishimura, Dr. M. Cristina Chavantes, and Dr. Tina Alster. There will also be a question and answer session as well as a panel of ASLMS women at various levels of their training and careers. This panel will focus on “How can women contribute to and advance the field of energy based device development and application?” The presentations and question and answer session will be followed by a reception with ample time to meet the speakers, connect with your peers, and facilitate connection between students/residents and mentors. This inaugural event will provide a thoughtful program that will set the stage for future growth of this group and promotion of its goals. Hors d’oeuvres and beverages will be available during the event.

Friday, April 24, 2015	
6:00 pm - 6:09 pm	Welcome - Juanita J. Anders, Ph.D.
6:10 pm - 6:30 pm	Guest Presentation “Life is Complicated – Multiphoton Microscopy and Other Tools for <i>In Vivo</i> Studies” - Nozomi Nishimura, Ph.D.
6:31 pm - 6:34 pm	Q&A
6:35 pm - 6:49 pm	Opportunities and Challenges for Women in Energy-Based Devices: An International Perspective - M. Cristina Chavantes, M.D., Ph.D.
6:50 pm - 7:04 pm	How to Successfully Combine Research and Clinical Practice: A Personal Perspective - Tina S. Alster, M.D.
7:05 pm - 7:29 pm	Panel of ASLMS Women at Various Levels of Their Training and Careers “How Can Women Contribute to and Advance the Field of Energy-Based Device Development and Application?” Panel Moderator: Yasaman Damestani Panelists: Thanh-Nga T. Tran, M.D., Ph.D., Nazanin Saedi, M.D. , Petra E. Wilder-Smith, D.D.S., Ph.D., Patricia A. Owens R.N., M.H.A, C.M.L.S.O., Gracie Vargas, Ph.D., Sonja Barbarich, R.N.
7:30 pm - 8:00 pm	Networking

Thank you!

ASLMS would like to acknowledge and thank Valeant Pharmaceuticals North America, LLC for sponsoring the Celebration of ASLMS Women in Energy-Based Devices.

Celebration of ASLMS Women in Energy-Based Devices



Nozomi Nishimura, Ph.D.

Nozomi Nishimura grew up in Tucson, Arizona. She majored in physics at Harvard College where she worked with Prof. Eric Mazur on femtosecond laser ablation. In graduate school she became interested in neuroscience and worked with Prof. David Kleinfeld at University of California at San Diego. Although still in the Physics Department, her research focused on studying blood flow in the brain of rodents and developing laser-based models of small stroke. She came to Biomedical Engineering at Cornell in 2006 as a postdoc with Prof. Chris Schaffer. At Cornell, her research expanded the use of in vivo imaging techniques to study a variety of disorders including Alzheimer's disease, cardiac disease and intestinal growth. She became an Assistant Professor in Biomedical Engineering in 2013. Her lab's goal is to understand how the vascular, immune, inflammatory systems and cells native to a tissue interact in these diseases. While at UC San Diego, she received a National Science Foundation Graduate Research Fellowship and as a postdoc she was awarded a L'Oreal USA Fellowship for Women in Science, the NIH Ruth L. Kirschstein NRSA Postdoctoral Fellowship, and the American Heart Association Postdoctoral Fellowship. She is a recipient of a Scientist Development Grant from the American Heart Association to study microinfarction in the heart.



Tina S. Alster, M.D.

Dr. Tina S. Alster is the founding director of the Washington Institute of Dermatologic Laser Surgery and is a clinical professor of dermatology at Georgetown University Medical Center in Washington, DC. She is a world-recognized leader in dermatologic laser surgery and has published over 250 peer-reviewed articles, 50 book chapters and 8 textbooks on the subject. Her contributions have resulted in her being honored with the Women's Dermatologic Society mentorship and legacy awards, American Society for Dermatologic Society service award and the Leon Goldman award from the American Society for Laser Medicine and Surgery, among others. Dr. Alster's commitment to teaching and mentoring others is evident in her establishment of scholarship endowments for women pursuing careers in medicine at Duke University. Her contributions to the field have been acknowledged by listings in America's Best Doctors, Town & Country's Best Cosmetic Surgeons, America's Elite 1000, Allure's Influencer of the Year, Elle Genius Awards and Washingtonian's Best Doctors. She has also appeared on national and international TV and radio shows, including Oprah, Today Show, CNN, Daily Show with Jon Stewart, 20/20, and Discovery Channel. She has been listed by US News & World Report as among the nation's top 1 percent of physicians in dermatology.



M. Cristina Chavantes, M.D.,
Ph.D.

Prof. Dr. M. Cristina Chavantes is Professor of Graduate and Post-Graduate Medicine, a clinical researcher, and President of the Brazilian Society for Lasers in Medicine and Surgery. For the last three decades, she has promoted and developed effective and less-invasive laser technology for medical applications. Dr. Chavantes established the Medical Laser Center at the Heart Institute, School of Medicine, University of São Paulo, Brazil and served as Director for over 25 years. She was appointed Professor of Lasers in Bio-Medicine, School of Medicine, University of São Paulo, which was the first medical school in Brazil to include courses in LASER/LED in the undergraduate medical curriculum. Currently, she is the Professor in Medicine Biophotonic Post-Graduation Courses, University of Nove de Julho, São Paulo and is involved in the development and advancement of photobiomodulation for clinical applications. She is an author of numerous publications on the application of lasers for diagnosis and treatment in several medical specialties and has received several national honors and awards for her research, teaching and mentorship of young physicians and healthcare researchers.



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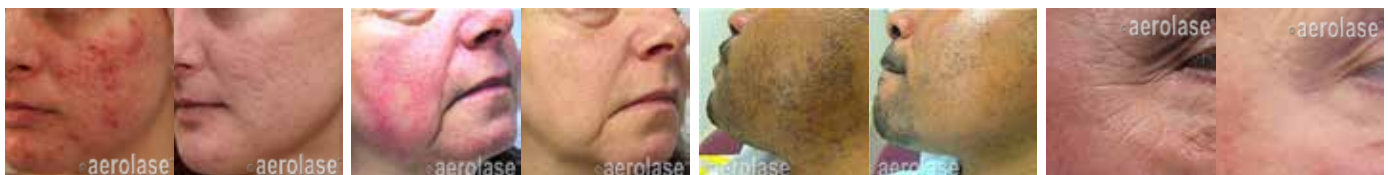
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David J. Goldberg, MD
Skin Laser & Surgery
Specialists of NY & NJ



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Michael Gold, MD
Gold Skincare Center
Nashville, TN



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After 3 Tx

Rosacea
After 1 Tx

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After 3 Tx

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VIORA
YEARS

Periorbital Therapies and Rejuvenation Workshop

April 25, 2015 7:00 am - 9:00 am
 Room Florida Exhibit Hall D
**Included in Full Conference
 Registration Fee**

Directors: Brian S. Biesman, M.D.,
 F.A.C.S., Jason D. Bloom, M.D., Joel L.
 Cohen, M.D.

Faculty: Suzanne L. Kilmer, M.D., Jason
 N. Pozner, M.D., Julie A. Woodward,
 M.D.

ACCME Accreditation Statement
 The American Society for Laser Medicine
 and Surgery, Inc. is accredited by the
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Continuing Medical Education Credit
 The American Society for Laser
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 This offering by the ASLMS, in
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 the Board of Nursing in your state for
 clarification. Certificates of Attendance
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 statement of CE contact hours after the
 Annual Conference.

Educational Needs
 This activity will provide attendees with information on basic periorbital anatomy and patient evaluation techniques. The attendees will be educated on complications resulting from treatments to this area and how to manage these post-procedure complications and prevent them from happening. They will also learn about new techniques for periorbital rejuvenation and pearls for common laser, non-laser devices and injectable treatments. Finally, attendees will have an improved ability to evaluate and educate patients in periorbital rejuvenation options.

Designated Participants
 The target audience can be any physician, physician assistant, nurse or other physician extender who may be interested in learning how to improve signs of periorbital aging with rejuvenation techniques.

Background Requirements
 A background knowledge of periocular aesthetics and basic laser and injectables techniques are helpful.

Expected Learning Outcomes
 It is expected that participants will improve their knowledge of periocular anatomy, laser, non-laser devices, injectables for periocular use, and the use of neuromodulators in the periocular area. They will also be expected to evaluate and educate patients for periorbital rejuvenation procedures. Post-procedure complications will also be addressed.

Saturday, April 25, 2015	
7:00 am - 7:05 am	Introduction and Pre-Test - Brian S. Biesman, Jason N. Bloom, Joel L. Cohen
7:06 am - 7:19 am	Periorbital Anatomy and Patient Considerations for Aesthetic Procedures - Jason D. Bloom
7:20 am - 7:33 am	The Role of Soft Tissue Fillers in Periorbital Rejuvenation - Julie A. Woodward
7:34 am - 7:47 am	Periocular Neuromodulators - Joel L. Cohen
7:48 am - 8:01 am	Periorbital Ablative Laser Skin Resurfacing - Suzanne L. Kilmer
8:02 am - 8:15 am	New Technologies for Periocular Rejuvenation - Brian S. Biesman
8:16 am - 8:29 am	Management of Periocular Complications from Aesthetic Procedures - Jason N. Pozner
8:30 am - 9:00 am	Q&A and Post-Test - Brian S. Biesman, Jason N. Bloom, Joel L. Cohen

Laser-Assisted Drug Delivery Workshop

April 25, 20157:00 am - 9:00 am
 Room Osceola D

Directors: Merete Haedersdal, M.D., Jill S. Waibel, M.D.

Faculty: Roy G. Geronemus, M.D., David M. Ozog, M.D., Uwe Paasch, M.D., Ph.D.

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Continuing Medical Education Credit
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Continuing Education Credit
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Educational Needs

The educational needs for this activity are to: 1) understand the interaction between fractional lasers and topically applied drugs, providing attendees with a basic understanding of the interaction between laser settings and clinical skin reactions; 2) evaluate the current clinical state of knowledge in laser-assisted drug delivery in dermatological oncology, scar treatment and rejuvenation procedures; 3) cover safety issues, and 4) provide an update on the latest research and future of fractional laser procedures and in combination with topical drugs and substances.

Participants

This activity is primarily designed for clinical laser practitioners such as dermatologic laser surgeons and plastic surgery laser surgeons.

Background Requirements

Participants should possess basic clinical laser skills and training.

Instructional Content and/or Expected Learning Outcomes

This activity is directed at both potential and experienced users of fractional laser technologies to enhance the uptake of topically applied drugs. The goal of this activity will be to share knowledge of laser-assisted drug delivery and to provide clinical tips to help in your office. We will have a comprehensive session including basic knowledge, clinical update and future perspectives on the combination of fractional lasers and drugs. We will have top experts in aesthetic, academic and private practice come together in a multidisciplinary panel to address this important topic. We will focus on laser parameters and indications to help optimize patient treatment in your office. The activity will end with an enlightening talk on research and the future of laser-assisted drug delivery.

Saturday, April 25, 2015	
7:00 am - 7:04 am	Introduction and Pre-Test - Merete Haedersdal, Jill S. Waibel
7:05 am - 7:26 am	An Overview of Fractional Laser-Assisted Drug Delivery - Roy G. Geronemus
7:27 am - 7:48 am	Current Advancements in the Treatment of Scars: How We Do It - Jill S. Waibel
7:49 am - 8:10 am	Combo of Fractional Lasers and Drugs for Rejuvenation Procedures - David M. Ozog
8:11 am - 8:32 am	Skin Dysplasia Treated with Fractional Lasers and Anticancer Drugs - Merete Haedersdal
8:33 am - 8:54 am	Outlook, Safety and Future Perspectives - Uwe Paasch
8:55 am - 9:00 am	Conclusion and Post-Test - Merete Haedersdal, Jill S. Waibel

Laser Dental Applications Workshop

April 25, 2015 7:00 am - 9:00 am
 Room Osceola B
**Included in Full Conference
 Registration Fee**

Director: Praveen R. Arany, D.D.S.,
 M.D.S., M.M.Sc., Ph.D.

Faculty: Daniel Fried, Ph.D., Thomas
 S. Mang, Ph.D., Petra E. Wilder-Smith,
 D.D.S., Ph.D.

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Continuing Medical Education Credit
 The American Society for Laser
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 clarification. Certificates of Attendance
 will be provided. You will receive a
 statement of CE contact hours after the
 Annual Conference.

Educational Needs
 This activity will outline the breadth of applications of light-based devices in
 clinical dentistry.

Participants
 This activity is primarily designed for clinical dentists, oral surgeons and
 dental researchers.

Background Requirements
 Attendees should have knowledge of craniofacial biology, microbiology,
 optics and medicine-dentistry.

Instructional Content and/or Expected Learning Outcomes
 This activity will highlight the wide range of potential applications of light-
 based technologies in clinical dentistry and provide a biological rationale
 with the desired clinical outcome. The participants will learn the utility
 of using specific light-based modalities to address their clinical needs in
 routine dentistry and oral surgery.

Saturday, April 25, 2015	
7:00 am - 7:04 am	Introduction and Pre-Test - Praveen R. Arany
7:05 am - 7:26 am	Lasers for Dental Imaging - Petra E. Wilder-Smith
7:27 am - 7:48 am	Lasers for Photodynamic Therapy - Thomas S. Mang
7:49 am - 8:10 am	Lasers for Hard Tissue Applications - Daniel Fried
8:11 am - 8:32 am	Lasers for Soft Tissue Applications - Praveen R. Arany
8:33 am - 8:54 am	Panel Discussion / Q&A
8:55 am - 9:00 am	Conclusion and Post-Test - Praveen Arany

Skinny on Fat Reduction and Skin Tightening Workshop

April 25, 20157:00 am - 9:00 am
 Room Osceola C
**Included in Full Conference
 Registration Fee**

Directors: Mathew M. Avram, M.D.,
 J.D., A. Jay Burns, M.D., Robert A.
 Weiss, M.D.

Faculty: Mitchel P. Goldman, M.D., H.
 Ray Jalian, M.D., Neil S. Sadick, M.D.

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 approval for granting credits. Check with
 the Board of Nursing in your state for
 clarification. Certificates of Attendance
 will be provided. You will receive a
 statement of CE contact hours after the
 Annual Conference.

Educational Needs
 This activity will allow the attendee to better understand the broad range
 of available equipment and devices to address fat reduction and body
 contouring, understand the technical considerations needed to perform
 fat reduction and body contouring, and to understand the risks and
 benefits of each technology along with clinical expectations. These include
 cryolipolysis, RF methods and ultrasound.

Participants
 This activity is designed for physicians or those who work with physicians
 performing fat removal treatments. Those who are potentially interested in
 providing or referring for fat removal or body contouring treatments would
 also benefit.

Background Requirements
 Participants should have knowledge of fat, muscle and skin physiology and
 anatomy. This activity is designed to provide information but not to certify
 anyone in any particular technique.

Instructional Content and/or Expected Learning Outcomes
 The instructional content will include updated information of expected
 outcomes, risks and benefits of fat reduction and body contouring
 technologies including various radiofrequency delivery systems, thermal
 and non-thermal ultrasound, cryolipolysis, low level light, laser assisted
 liposuction, as well as upcoming considerations and technologies.

Saturday, April 25, 2015	
7:00 am - 7:09 am	Introduction and Pre-Test - A. Jay Burns
7:10 am - 7:24 am	Overview of Fat Physiology - H. Ray Jalian
7:25 am - 7:44 am	Fat Reduction by Thermal Ultrasound and Cryolipolysis - Mathew M. Avram
7:45 am - 8:04 am	Fat Reduction by Large Field RF, Non-Thermal Focused Ultrasound - Robert A. Weiss
8:05 am - 8:24 am	Cellulite and Laser Lipolysis - Mitchel P. Goldman
8:25 am - 8:39 am	Contouring Small Fat Pockets with RF Devices - Neil S. Sadick
8:40 am - 8:54 am	Panel/Q&A
8:55 am - 9:00 am	Conclusion and Post-Test - A. Jay Burns

Beyond Signs and Goggles: Putting Safety Standards to Work Workshop

April 25, 2015 7:00 am - 9:00 am
 Room Osceola A
**Included in Full Conference
 Registration Fee**

Director: Penny J Smalley R.N.,
 C.M.L.S.O.

Faculty: John E. Hoopman, Patricia A. Owens, R.N., M.H.A., C.M.L.S.O., Leslie J. Pollard, B.S.M.T., L.E.O.T., David H. Sliney, Ph.D., Godfrey A. Town Ph.D., Amy Valencia, CHSP

ACCME Accreditation Statement
 The American Society for Laser Medicine and Surgery, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Continuing Medical Education Credit
 The American Society for Laser Medicine and Surgery, Inc. designates this live activity for a maximum of 2 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Education Credit
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Educational Needs

Knowledge of safety, both theoretical and applied, is required by OSHA, ANSI, state regulations, professional bodies, and local facility-based policies. Safety is a dynamic topic, changing and evolving constantly, and becomes an area of education that must be offered periodically by experts in the field who are able to provide the most current information to users.

Designated Participants

All professionals are required to obtain safety education, and therefore, there are no inclusions or exclusions on attendance. This is a barrier free activity and is offered to physicians, nurses, industry partners, administrators, scientists, allied health workers, and anyone else interested in the safe and appropriate use of health care lasers in compliance with regulations and standards.

Background Requirements

There are no specific prerequisites for attending this activity.

Expected Learning Outcomes

Upon conclusion of this activity, attendees will be able to: 1) assess their current practice for compliance with ANSI standards with regard to use of laser protective eyewear, use of 3rd party (rental) laser systems, and administrative policies; 2) compare and contrast the application of ANSI standards between laser use in a hospital practice setting and laser use in a private practice, and 3) discuss options for education and training of laser team members that will meet the requirements mandated in ANSI standards, and other relevant regulations and guidelines.

Saturday, April 25, 2015	
7:00 am - 7:04 am	Introduction and Pre-Test - Penny J. Smalley
Part I - LSO Experiences in Daily Practice	
7:05 am - 7:19 am	Establishing a Standards Compliant Laser Program in an Office-Based Aesthetic Practice - Patricia A. Owens
7:20 am - 7:34 am	The Role of the LSO in a Multi-Site Hospital Safety Program - Amy Valencia
Part II - Faculty Experts: What's Trending?	
7:35 am - 7:49 am	Rental Lasers: The Good, the Bad and the Ugly - Leslie J. Pollard
7:50 am - 8:04 am	Status of Current and Developing Eyewear Standards - David H. Sliney
8:05 am - 8:19 am	Laser Safety Education: Options, Pitfalls and Best Practices - John E. Hoopman
8:20 am - 8:34 am	Photonics at Home: Help, Hype or Hazard? - Godfrey Town
8:35 am - 8:54 am	Panel Discussion - Faculty
8:55 am - 9:00 am	Conclusion and Post-Test - Penny J. Smalley

Guest Speaker



Saturday, April 25, 2015
Florida Exhibit Hall D - 9:30 - 10 am

Emerging Optical and Laser Therapeutic Technologies and Devices: A Regulatory Science Perspective

Ilko K. Ilev, Ph.D.

HHS/FDA Senior Biomedical Research Service (SBRS)
 Leader, Optical Therapeutics and Medical Nanophotonics Laboratory
 Division of Biomedical Physics
 Office of Science and Engineering Laboratories
 Center for Devices and Radiological Health
 U.S. Food and Drug Administration
 Silver Spring, MD

? TO PODIUM Cutting Edge: Laser and Skin Session

April 25, 2015 10:00 am - 12:00 pm
 Room Florida Exhibit Hall D

Director: J. Stuart Nelson, M.D., Ph.D.,

Faculty: R. Rox Anderson, M.D.,
 Suzanne Kilmer, M.D., Gerald N.
 Goldberg, M.D., Merete Haedersdal,
 M.D., Dieter Manstein, M.D., Ph.D., E.
 Victor Ross, M.D., Robert A. Weiss, M.D.

Educational Needs

Clinicians, health professional representatives, scientists, engineers, and industry representatives need big-picture understanding of the success and limitations of current laser and light-based treatment for challenging medical conditions, and of the cutting-edge research that may someday lead to an improvement in the standard care.

Participants

All attendees of the ASLMS Annual Conference.

Background Requirements

Attendees are not required to have any prior knowledge of laser medicine or basic science.

Instructional Content and/or Expected Learning Outcomes

Leading clinicians and scientific researchers will discuss state-of-the-art and future care for patients with challenging medical conditions. This knowledge may lead to increased cooperation among conference attendees and new research directions.

Saturday, April 25, 2015	
10:00 am - 10:06 am	Welcome and Introduction - <i>J. Stuart Nelson</i>
10:07 am - 10:20 am	<u>LEON GOLDMAN MEMORIAL AWARD RECIPIENT</u> The Safe and Innovative Use of Lasers and Light Sources - <i>Mathew M. Avram</i>
10:21 am - 10:30 am	Use of Multiple Laser and Light Modalities to Treat Challenging Vascular Anomalies, Scars, and Skin Rejuvenation - <i>Gerald N. Goldberg</i>
10:31 am - 10:40 am	Dermal Remodeling with Picosecond Technology: Clinical and Histologic Changes - <i>Robert A. Weiss</i>

? TO PODIUM **Cutting Edge: Laser and Skin Session**

April 25, 201510:00 am - 12:00 pm
 Room Florida Exhibit Hall D

Director: J. Stuart Nelson, M.D., Ph.D.

Saturday, April 25, 2015

10:41 am - 10:50 am	RF Needles - Can We "Pin" Our Hopes on This Technology? - <i>E. Victor Ross</i>
10:51 am - 11:05 am	Discussion
11:06 am - 11:15 am	Why Robots? - <i>R. Rox Anderson</i>
11:16 am - 11:25 am	Fractional Lasers and Drugs for Skin Malignancies - <i>Merete Haedersdal</i>
11:26 am - 11:35 am	Latest in Lasers for Scar Remodeling - <i>Suzanne Kilmer</i>
11:36 am - 11:45 am	Fractional Frontiers - <i>Dieter Manstein</i>
11:46 am - 12:00 pm	Discussion

? TO PODIUM **NAALT/Veterinary Applications Session**

April 25, 201510:00 am - 12:00 pm
1:30 - 2:45 pm
 RoomNaples

Richard L. Godine, D.V.M., Director

Educational Needs

This session will present current clinical protocols and outcomes of photobiomodulation in veterinary medicine.

Participants

This session is designed for veterinary clinicians or other individuals interested in extrapolating veterinary photobiomodulation protocols to human applications. It will also be of interest to researchers in photobiomodulation as well as laser engineers.

Background Requirements

Participants should have a medical background and some knowledge of tissue interaction with light, laser physics and the basic parameters of LED and laser devices.

Instructional Content and/or Expected Learning Outcomes

Presentations will cover many body system pathologies and be illustrated by multiple clinical cases. Treatment parameters, application techniques, frequency of treatments and clinical outcomes will be discussed. The participant will develop a good understanding of which diseases respond well to photobiomodulation and in some cases which parameters offer the best success.

“Hot Topics”

- * Orthopedic Applications
- * Spinal Cord Applications
- * Renal Failure Applications
- * Infected Traumatic Wound Applications
- * Internal Organ Applications
- * Photodynamic Therapy for Feline Squamous Cell Carcinoma

The North American Association for Light Therapy Session this year will focus on veterinary clinical applications. In small animal veterinary medicine, photomedicine using LEDs and lasers is the fastest growing treatment modality in private practice. Photobiomodulation for the treatment of musculoskeletal, dermatologic, and neural conditions is well established in human and veterinary medicine. The treatment of diseases in these systems as well as less common systems will be covered through the presentation of multiple case studies.

Saturday, April 25, 2015		
10:00 am – 10:14 am		INTRODUCTORY OVERVIEW OF PHOTOBIMODULATION IN VETERINARY MEDICINE <i>Richard Godine*</i> , Immediate past President of NAALT
10:15 am – 10:29 am	103	INTERNAL ORGAN APPLICATIONS IN SMALL ANIMAL VETERINARY MEDICINE <i>Ronald Riegel*</i> , American Institute of Medical Laser Applications, Marysville, OH
10:30 am – 10:44 am	104	EFFICACY OF PHOTOBIMODULATION IN THE TREATMENT OF OSTEOARTHRITIS IN THE CANINE SPECIES <i>Ronald Riegel*</i> , <i>Ann Bancroft</i> , <i>Jennifer F. Johnson</i> , <i>Greg Emmert</i> , <i>Deborah Gross</i> , <i>Laurie Dunbar</i> , American Institute of Medical Laser Applications, Marysville, OH, MedVet Medical & Cancer Centers for Pets, Worthington, OH, Stoney Creek Veterinary Hospital, Morton, PA, McGee Street Animal Hospital, Norman, OK, Wizard of Paws Physical Rehabilitation for Animals, LLC, Colchester, CT, Pointe Claire, Quebec Canada

*Presenter

? TO PODIUM **NAALT/Veterinary Applications Session**

April 25, 201510:00 am - 12:00 pm
1:30 - 2:45 pm
 RoomNaples

Richard L. Godine, D.V.M., Director

Saturday, April 25, 2015

10:45 am – 11:09 am		SMALL ANIMAL ORTHOPEDIC CONDITIONS <i>Peter Eeg*</i> , Poolesville, MD
11:10 am – 11:34 am		CHRONIC RENAL FAILURE AND INTERVERTEBRAL DISK DISEASE CLINICAL CASES <i>Ronald E. Hirschberg*</i> , Brockton Animal Hospital, Brockton, MA
11:35 am – 11:59 am		PANEL / Q&A <i>Richard Godine, Peter Eeg, Ronald Hirschberg, Ronald Riegel</i>
12:00 pm – 1:29 pm		Cash Lunch/View ePosters/Visit the Exhibits – Florida Exhibit Halls E&F
1:30 pm – 1:44 pm <i>(ePoster Available)</i>	105	PDT IN SQUAMOUS CELL CARCINOMA: TREATMENT OF SKIN CANCER OF CATS <i>Katalin Kovacs*</i> , Small Animal Laser Clinic, Budapest, Hungary
1:45 pm – 1:59 pm <i>(ePoster Available)</i>	106	LOW LEVEL LASER THERAPY OF SERIOUS WOUNDS OF DOGS <i>Katalin Kovacs*</i> , Small Animal Laser Clinic, Budapest, Hungary
2:00 pm – 2:04 pm		Discussion / Q&A <i>Katalin Kovacs</i>
2:05 pm – 2:30 pm		TRANSCRANIAL LIGHT THERAPY FOR COGNITIVE DISORDERS & INTRAVENOUS LIGHT THERAPY IN VETERINARY MEDICINE <i>Richard L. Godine*</i> , Immediate past President of NAALT
2:31 pm – 2:45 pm		Discussion / Q&A

*Presenter

Laser Review and Clinical Pearls for Residents and Fellows Workshop

April 25, 2015 1:30 pm - 5:30 pm
 Room Osceola B

Ashish C. Bhatia, M.D., Co-Director
 Jeffrey T. Hsu, M.D., Co-Director
 Kelly J. Stankiewicz, M.D., Co-Director

Faculty: Suneel Chilukuri, M.D., Daniel P. Friedmann, M.D., Jeremy B. Green, M.D., H. Ray Jalian, M.D., Vineet Mishra, M.D., Melanie D. Palm, M.D., Fernanda H. Sakamoto, M.D., Ph.D.

Educational Needs
 This activity addresses the need for fundamental information and clinical pearls to increase knowledge, competence and performance with lasers and energy-based devices used in clinical practice.

Participants
 This activity is designed for physicians, residents and fellows that would like to use lasers and energy-based devices in practice.

Background Requirements
 This activity requires a medical degree and basic understanding of laser and energy physics and skin and soft tissue biology.

Instructional Content and/or Expected Learning Outcomes

- At the conclusion of this activity, attendees will be able to:
1. Discuss the basic science of lasers and other related light energy technologies.
 2. Understand laser tissue interactions to achieve desired outcomes.
 3. Discuss lasers and other light based energy technologies and their appropriate clinical applications.
 4. Discuss and implement safe practices of laser therapy in clinical practice.
 5. Summarize new and emerging technologies for laser surgery and aesthetic skin therapy.
 6. Avoid complications with lasers and light sources for aesthetic and therapeutic procedures.

7. Be conversant in the use of lasers in the treatment of aesthetic and therapeutic procedures including hair removal, vascular lesions, skin tightening, skin rejuvenation, acne scars, port wine stains, pigmentation, and tattoos.
8. Discuss patient selection, safety procedures and relationship building techniques which result in better patient outcomes.
9. All presenters will be encouraged to limit their presentations to 10 content slides.

Saturday, April 25, 2015	
1:30 pm - 1:34 pm	Introduction - Ashish C. Bhatia, Jeffrey T. Hsu, Kelly J. Stankiewicz
1:35 pm - 1:54 pm	Laser Biophysics - Suneel Chilukuri
1:55 pm - 2:14 pm	IPL and Broadband Light - Melanie D. Palm
2:15 pm - 2:24 pm	Q&A
2:25 pm - 2:44 pm	Pigment and Tattoo Lasers - Kelly J. Stankiewicz
2:45 pm - 3:15 pm	Break
3:16 pm - 3:39 pm	Hair Lasers – Vineet Mishra
3:40 pm - 3:49 pm	Q&A
3:50 pm - 4:09 pm	Vascular Lesions - Jeremy B. Green
4:10 pm - 4:29 pm	Resurfacing Lasers - H. Ray Jalian
4:30 pm - 4:49 pm	PDT - Fernanda H. Sakamoto
4:50 pm - 5:09 pm	Lasers and Energy-Based Devices for Body Contouring and Rejuvenation – Daniel P. Friedmann
5:10 pm - 5:30 pm	Q&A/Closing Comments - Ashish C. Bhatia, Jeffrey T. Hsu, Kelly J. Stankiewicz

? TO PODIUM **Cutaneous Laser Surgery Session**

April 25, 2015 1:30 pm - 5:30 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Saturday, April 25, 2015

1:30 pm – 1:34 pm		Introduction
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Hair Removal and Hair Restoration

Saturday, April 25, 2015

1:35 pm – 1:41 pm	59	CLINICAL EVALUATION OF A LARGE SPOT SIZE 800nm DIODE LASER FOR THE TREATMENT OF HYPERTRICHOSIS <i>Omar Ibrahim*</i> , <i>Christine Dierickx</i> , Stamford, CT, Boom, Belgium
1:42 pm – 1:48 pm (ePoster Available)	60	LONG-TERM FOLLOW-UP DEMONSTRATING REDUCTION OF AXILLARY HAIR UTILIZING MICROWAVE TECHNOLOGY <i>Brian Zelickson</i> , <i>Jeremy Brauer*</i> , <i>David Vasily</i> , <i>Lori Brightman</i> , <i>Leonard Bernstein</i> , <i>Elliot Weiss</i> , <i>Robert Anolik</i> , <i>Roy Geronemus</i> , Zel Skin & Laser Specialists, Edina, MN, Laser & Skin Surgery Center of New York, New York, NY, Lehigh Valley Dermatology, Bethlehem, PA
1:49 pm – 1:55 pm	61	CLINICAL EVALUATION OF 1060nm Nd:YAG VACUUM-ASSISTED HANDPIECE WITHOUT TOPICAL ANESTHETIC IN ALL FITZPATRICK SKIN TYPES <i>Amanda Lloyd*</i> ➔, <i>Michael Graves</i> ➔, <i>E. Victor Ross</i> , Scripps Clinic, La Jolla, CA
1:56 pm – 2:02 pm	62	ROBOTIC FOLLICULAR UNIT EXTRACTION (FUE) IN HAIR TRANSPLANTATION <i>Marc Avram*</i> , Weill Cornell Medical School, New York, NY
2:03 pm – 2:09 pm		Q&A
2:10 pm – 2:16 pm	LB10	RETROSPECTIVE EVALUATION OF THE SAFETY AND EFFICACY OF LASER HAIR REDUCTION WITH THE 755nm ALEXANDRITE WAVELENGTH WITH 8 YEAR FOLLOW UP <i>Elizabeth Russe</i> , <i>Eva Ciscar</i> , <i>Manfred Herold</i> , <i>Gabriel Buendia Bordera</i> , <i>Katharina Russe-Wifflingseder*</i> , <i>Laserzentrum Innsbruck</i> , Innsbruck, Austria, Instituto di Fotomedicina, Hospital Quiron Teknon, Barcelona, Spain

Rejuvenation

Saturday, April 25, 2015

2:17 pm – 2:23 pm	63	FOCUSED COLD THERAPY FOR THE TREATMENT OF HYPERDYNAMIC FOREHEAD WRINKLES: A MULTI-CENTER RANDOMIZED CONTROL TRIAL <i>Jeremy A. Brauer*</i> , <i>Roy G. Geronemus</i> , <i>Michael Kaminer</i> , <i>Jeffrey Dover</i> , <i>David Kiener</i> , <i>Jonathan Sykes</i> , <i>Brian Biesman</i> , <i>A. Jay Burns</i> , <i>Hamad Alabdulrazzaq</i> , <i>Steven Dayan</i> , Laser & Skin Surgery Center of New York, New York, NY, SkinCare Physicians, Chestnut Hill, MA, Roseville Facial Plastic Surgery, Roseville, CA, Nashville Centre for Laser and Facial Surgery, Nashville, TN, Dallas Plastic Surgery Institute, Dallas, TX, SDMD, Chicago, IL
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*Presenter, ➔ASLMS Travel Grant Recipient

? TO **PODIUM** **Cutaneous Laser Surgery Session**

April 25, 2015 1:30 pm - 5:30 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Saturday, April 25, 2015

2:24 pm – 2:30 pm (ePoster Available)	64	COMPLICATIONS ASSOCIATED WITH THE USE OF CO₂ FRACTIONAL LASER FOR THE TREATMENT OF SKIN RENEWAL (RESURFACING) <i>Roberto Chacur*</i> , <i>Nivea Chacur</i> , <i>Danuza Alves</i> , <i>Honório Menezes</i> , <i>Marucia Chacur</i> , <i>Anelise Vigo</i> , <i>Gina Silva</i> , Clinica Leger, Rio de Janeiro, Porto Alegre, Brazil, University of São Paulo, São Paulo, Brazil
2:31 pm – 2:37 pm	65	LOW DOWNTIME ABLATIVE FRACTIONAL RESURFACING <i>Jayne Joo*</i> , <i>Marla McClaren</i> , <i>Suzanne Kilmer</i> , University of California Davis, Laser and Skin Surgery Center of Northern California, Sacramento, CA
2:38 pm – 2:44 pm		Q&A
2:45 pm – 3:29 pm		Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F
3:30 pm – 3:36 pm	LB11	SEQUENTIAL TREATMENT USING Q-SWITCHED 1064nm AND A NOVEL 1565nm FRACTIONAL NON-ABLATIVE DEVICE – A CLINICAL AND HISTOLOGIC STUDY WITH SIX MONTH FOLLOW-UP <i>Girish Munavalli*</i> , Dermatology, Laser, and Vein Specialists of the Carolinas, PLLC, Charlotte, NC
3:37 pm – 3:43 pm		LASER 360IQ: OPTIMAL LIGHT-LASER COMBINATION THERAPY FOR THE IMPROVEMENT OF SKIN COLOR, TONE, TEXTURE AND LAXITY <i>Brian Zelickson</i> , <i>Irmira Wallander</i> , <i>Joseph Lepselter*</i> , Zel Skin & Laser Specialists, Edina, MN, Alma Lasers Ltd., Caesarea, Israel
3:44 pm – 3:50 pm (ePoster Available)	66	EVALUATION OF A COMPACT HOME-USE 1440nm NON-ABLATIVE FRACTIONAL LASER TO TREAT PERIORBITAL WRINKLES <i>Zakia Rahman*</i> , <i>Sunil Dhawan</i> , <i>Jon Starr</i> , <i>Rafael Ostrowski</i> , Stanford University, Stanford, CA, Center for Dermatology, Cosmetic and Laser Surgery, Inc., Milpitas, CA, Stanford School of Medicine, Menlo Park, CA, Tria Beauty, Inc., Dublin, CA
3:51 pm – 3:57 pm (ePoster Available)	67	A NEW CONCEPT IN SKIN TREATMENT UTILIZING A WATER-ENERGIZING FRACTIONAL ER, CR:YSGG LASER DELIVERING IRRADIATION AT 2,780nm WHICH REQUIRES NO ANESTHESIA (TOPICAL OR INJECTION) FOR SKIN RESURFACING <i>Yasmeen Kabir*</i> , <i>Lisa Chipps</i> , <i>Ronald Moy</i> , Cedars-Sinai Medical Center, Moy-Fincher-Chipps Facial Plastics/Dermatology, Harbor UCLA Medical Center, David Geffen School of Medicine at UCLA, Keck School of Medicine of USC, Beverly Hills, CA
3:58 pm – 4:04 pm	LB12	MEDICAL DEVICES AND CLINICAL TRIAL DESIGN FOR THE TREATMENT OR IMPROVEMENT IN THE APPEARANCE OF FUNGALLY-INFECTED NAILS <i>Shlomit Halachmi*</i> , <i>Richard Felten</i> , <i>Phyllis M. Silverman</i> , <i>Mehmet Kosoglu</i> , <i>Neil Ogden</i> , <i>Joshua Nipper</i> , <i>Markham C. Luke</i> , Food and Drug Administration, Center for Devices & Radiological Health, Office of Device Evaluation, Silver Springs, MD
4:05 pm – 4:18 pm		Q&A
4:19 pm – 4:25 pm (ePoster Available)	68	PICOSECOND LASER FOR REDUCTION OF WRINKLES: LONG TERM RESULTS <i>Margaret Weiss</i> , <i>Robert Weiss*</i> , <i>Fran Lorden</i> , <i>Mary Trageser</i> , <i>Karen Beasley</i> , MD Laser Skin Vein Institute, Baltimore, MD

*Presenter

? TO PODIUM **Cutaneous Laser Surgery Session**

April 25, 2015 1:30 pm - 5:30 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Saturday, April 25, 2015

4:26 pm – 4:32 pm <i>(ePoster Available)</i>	69	CHARACTERIZATION OF THE HISTOLOGIC CHANGES IN THE SKIN FROM TREATMENT WITH A 755nm PICOSECOND ALEXANDRITE LASER WITH A FRACTIONAL OPTIC <i>Emil Tanghetti*</i> , Center for Dermatology and Laser Surgery, Sacramento, CA
4:33 pm – 4:39 pm	70	CLINICAL AND HISTOLOGIC EFFECTS OF HIGH INTENSITY FOCUSED RF IN THE TREATMENT OF PHOTOAGING AND ACNE SCARS <i>Michael Graves*→, Amanda Lloyd, E. Victor Ross</i> , Scripps Clinic, La Jolla, CA
4:40 pm – 4:46 pm <i>(ePoster Available)</i>	71	CLINICAL, HISTOLOGICAL EVALUATION OF A THERMO-MECHANICAL ABLATIVE AND NON-ABLATIVE DEVICE FOR FRACTIONAL TREATMENT OF AGING SKIN <i>Nathalie Fournier*, Monica Elman, Gilbert Barneon, Gary Lask, Eric F. Bernstein</i> , Centre Laser Dermatologie, Clapiers, France, <i>Elman Laser Clinic, Rishon Le Zion, Israel, Centre Pathologie, Montpellier, France, University of California Los Angeles Medical School, Los Angeles, CA, Main Line Center for Laser Surgery, Ardmore, PA</i>
4:47 pm – 4:53 pm	LB13	ABSORPTION SPECTRUM OF ONYCHOMYCOTIC NAILS <i>Kachiu Lee*, Oge Onwudiwe, William Farinelli, Lilit Garibyan, R. Rox Anderson</i> , Massachusetts General Hospital, Boston, MA

Medical Dermatology

Saturday, April 25, 2015

4:54 pm – 5:00 pm	72	EVALUATION OF THE SAFETY AND EFFICACY OF MULTIPLE SAME WEEK PULSED DYE LASER TREATMENTS OF PORT WINE STAINS <i>Jeremy A. Brauer*, Hamad Alabdulrazzaq, Leonard J. Bernstein, Roy G. Geronemus</i> , Laser & Skin Surgery Center of New York, New York, NY
5:01 pm – 5:07 pm	73	VERRUCA VULGARIS: NOVEL TREATMENT WITH A 1064nm Nd:YAG LASER <i>Angela Beckford*, David Goldberg</i> , Skin Laser & Surgery Specialists of NY/NJ, New York, NY
5:08 pm – 5:14 pm	74	FIVE-YEAR RETROSPECTIVE INVESTIGATION OF PHOTODYNAMIC THERAPY EXPERIENCE OF A HIGH VOLUME LASER AND DERMATOLOGIC SURGERY CENTER: SUBGROUP ANALYSIS AND OUTCOME DATA <i>Bradley Bloom*, Jeremy A. Brauer, David Orbuch, Joshua Greenbaum, Leonard Bernstein, Lori Brightman, Elliot Weiss, Robert Anolik, Daniel Shin, Roy G. Geronemus</i> , Laser & Skin Surgery Center of New York, New York, NY, University of Pennsylvania, Philadelphia, PA
5:15 pm – 5:30 pm		Q&A

*Presenter, → ASLMS Travel Grant Recipient

PODIUM Basic Science and Translational Research Session

April 25, 2015 1:30 pm - 5:30 pm
 Room Osceola C

Christopher G. Rylander, Ph.D., Co-Director
 Tianyi Wang, Ph.D., Co-Director

Preclinical/Clinical Therapeutics II

Saturday, April 25, 2015		
1:30 pm – 1:44 pm	11	EVALUATION OF THE LONG-TERM ANTI-AGING EFFECTS OF BROADBAND LIGHT THERAPY <i>Patrick J. Bitter, Jr.*</i> , <i>Jason Pozner</i> , Advanced Aesthetic Dermatology, Los Gatos, CA, Sanctuary Plastic Surgery, Boca Raton, FL
1:45 pm – 1:59 pm	LB2	PHAGOCYTES CHEMOTAXIS IN DIABETIC WOUND HEALING UNDER DIFFERENT LASER THERAPY REGIMENS – EXPERIMENTAL STUDY <i>Cristiano L. Santana</i> , <i>Amanda P. Souza</i> , <i>Raquel A. Mesquita-Ferrari</i> , <i>Daniela Silva</i> , <i>Sandra K. Bussadori</i> , <i>Kristianne Fernandes</i> , <i>Cristiane M. França*</i> , Nove de Julho University – UNINOVE, São Paulo, Brazil
2:00 pm – 2:14 pm	13	A SINGLE EXPOSURE OF ULTRAVIOLET RADIATION AFTER LOW-FLUENCE IPL CAUSES NO INCREASED RISK OF SIDE EFFECTS IN CAUCASIANS: A RANDOMIZED CLINICAL TRIAL <i>Daniel Thaysen-Petersen*</i> →, <i>Andres M. Erlendsson</i> , <i>J.F. Nash</i> , <i>Frank Beerwerth</i> , <i>Peter A. Philipsen</i> , <i>Hans C. Wulf</i> , <i>Merete Haedersdal</i> , Bispebjerg Hospital, University of Copenhagen, Copenhagen, Denmark, The Procter & Gamble Company, Cincinnati, OH, Braun/Procter & Gamble, Kronberg, Germany
2:15 pm – 2:29 pm	14	ARE WE OVER-STATING THE RISKS OF OPTICAL FIBER BREAKS <i>David Sliney*</i> , <i>Gregory Absten</i> , Johns Hopkins School of Public Health, Fallston, MD, Laser Training Institute, Grove City, OH
2:30 pm – 2:44 pm	15	OBJECTIVE EVALUATION OF FAT REDUCTION TREATMENT WITH A NON-INVASIVE 1060nm DIODE LASER <i>Bo Chen*</i> , <i>Rafael Sierra</i> , <i>Bruce Katz</i> , <i>Sean Doherty</i> , <i>Lawrence Bass</i> , Cynosure, Inc., Westford, MA, JUVA Skin and Laser Center, New York, NY, Boston Plastic Surgery Associates, Concord, MA, Bass Plastic Surgery PLLC, New York, NY
2:45 pm – 3:29 pm		Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F

Diagnostic Imaging/Sensing II

Saturday, April 25, 2015		
3:30 pm – 3:59 pm		INVITED SPEAKER NEW LASERS FOR LASER MEDICINE <i>Martin Richardson*</i> , University of Central Florida, Orlando, FL
BEST EARLY CAREER SCIENTIST AWARD RECIPIENT & BEST OVERALL BASIC SCIENCE AND TRANSLATIONAL RESEARCH AWARD RECIPIENT		
4:00 pm – 4:14 pm (ePoster Available)	16	EVALUATION OF BACTERICIDAL EFFECT OF LASERS BY IMAGING OF BIOLUMINESCENT E. COLI UNDER TRANSPARENT NANOCRYSTALLINE YTTRIA-STABILIZED-ZIRCONIA CRANIAL IMPLANT <i>Yasaman Damestani*</i> →, <i>Natalie De Howitt</i> , <i>Guillermo Aguilar</i> , University of California, Riverside, CA

*Presenter, → ASLMS Travel Grant Recipient

PODIUM Basic Science and Translational Research Session

April 25, 2015 1:30 pm - 5:30 pm
 Room Osceola C

Christopher G. Rylander, Ph.D., Co-Director
 Tianyi Wang, Ph.D., Co-Director

Saturday, April 25, 2015

4:15 pm – 4:29 pm <i>(ePoster Available)</i>	17	ANALYSIS OF INDIVIDUAL VARIATIONS IN HEMOGLOBIN DYNAMICS IN INCIDENTAL BRUISES USING RADIOMETRIC DEPTH PROFILING AND DIFFUSE REFLECTANCE SPECTROSCOPY <i>Luka Vidovič*, Matija Milanič, Boris Majaron, Jožef Stefan Institute, Ljubljana, Slovenia</i>
4:30 pm – 4:44 pm	18	COLLAGEN CROSS-LINKS AS FLUORESCENT MARKER FOR BIOMECHANICAL CHARACTERIZATION OF COLLAGENOUS TISSUES: FEASIBILITY STUDY <i>Ruisheng Wang*→, Antonio Ortega-Martinez, Martin Purschke, Hong Zhu, R. Rox Anderson, Irene Kochevar, Walfre Franco, Clarkson University, Potsdam, NY, Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA</i>
4:45 pm – 4:59 pm <i>(ePoster Available)</i>	19	PREVALENCE OF ENAMEL DEMINERALIZATION: A SCREENING STUDY USING CLINICAL AND IMAGING TOOLS <i>Afarin Golabgir Anbarani*, Valery Saikaly, William Ngo, Janet Ajdaharian, Cherie Wink, Ron Liang, Petra Wilder-Smith, University of California, Irvine, CA, Concorde School of Dental Hygiene, Garden Grove, CA, College of Optical Science, University of Arizona, Tucson, AZ</i>
5:00 pm – 5:14 pm <i>(ePoster Available)</i>	20	MAPPING THE EFFECTIVENESS OF ANTI-PLAQUE TREATMENTS <i>Karan Sahni*→, Tatiana Krasieva, Jessica Ho, William Ngo, Valery Saikaly, Thinh Vu, Petra Wilder-Smith, Beckman Laser Institute and Medical Clinic, Irvine, CA, University of California,</i>
5:15 pm – 5:30 pm	21	SUSTAINED ACTIVATION OF C-JUN N-TERMINAL AND EXTRACELLULAR SIGNAL REGULATED KINASES IN PORT WINE STAIN BLOOD VESSELS <i>Wenbin Tan*, Margarita Chernova, Lin Gao, Victor Sun, Martin Mihm, J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, Irvine, CA, University of California, Harvard University, Boston, MA</i>

*Presenter, → ASLMS Travel Grant Recipient



Photobiomodulation Session

April 25, 2015 1:30 pm - 5:00 pm
 Room Osceola A

Juanita J. Anders, Ph.D., Co-Director
 Raymond J. Lanzafame, M.D., M.B.A., Co-Director
 Steve Tumilty, Ph.D., MPhty, Co-Director
 Gerald R. Ross, D.D.S., Co-Director (3:30 - 5:30 pm -
 Photobiomodulation/NAALT)

Saturday, April 25, 2015

1:30 pm – 1:55 pm		INVITED SPEAKER Challenges in Translational Medicine: Use of Photobiomodulation in Following Decades <i>M. Cristina Chavantes*</i> , University of Nove de Julho, São Paulo, Brazil
1:56 pm – 1:59 pm		Discussion
BEST RESIDENT/FELLOW AWARD RECIPIENT		
2:00 pm – 2:10 pm (ePoster Available)	131	LOW LEVEL LASER THERAPY IN THE DORSAL ROOT GANGLION FOR TREATMENT OF CHRONIC LOW BACK PAIN: A PILOT STUDY <i>Vanessa Holanda*→</i> , José Oswaldo de Oliveira Junior, Alecsander Rodrigues Ojea, Carlos Vanderlei Medeiros de Holanda, M. Cristina Chavantes, Nove de Julho University, São Paulo University, Beneficência Portuguesa de São Paulo Hospital, São Paulo, Brazil
2:11 pm – 2:14 pm		Discussion
2:15 pm – 2:25 pm	132	A RANDOMIZED, DOUBLE-BLIND, SHAM-CONTROLLED STUDY USING LOW-LEVEL LASER THERAPY TO TREAT LOWER BACK PAIN <i>Steven Shanks*</i> , Erchonia Corporation, McKinney, TX
2:26 pm – 2:29 pm		Discussion
2:30 pm – 2:40 pm	133	EFFECTS OF LASER ON ENDURANCE OF THE ROTATOR CUFF MUSCLES <i>David Levine, Luis De Taboada*</i> , Wendy Frydrych, R. Barry Dale, The University of Tennessee at Chattanooga, Chattanooga, TN, LiteCure LLC, Newark, DE, University of South Alabama, Mobile, AL
2:41 pm – 2:44 pm		Discussion
2:45 pm – 3:30 pm		Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F
3:30 pm – 3:40 pm	134	STANDARDS AND SAFETY FOR LASER THERAPY PRACTITIONERS <i>Penny J. Smalley*</i> , Northbrook, IL
3:41 pm – 3:44 pm		Discussion
3:45 pm – 3:55 pm	135	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY USING LOW-LEVEL LASER THERAPY FOR REDUCING HIP, WAIST AND UPPER ABDOMEN CIRCUMFERENCE OF OBESE INDIVIDUALS <i>Steven Shanks*</i> , Erchonia Corporation, McKinney, TX
3:56 pm – 3:59 pm		Discussion
4:00 pm – 4:10 pm	136	CLINICAL RESPONSE APPLYING LOW LEVEL LASER THERAPY AND PHOTODYNAMIC THERAPY FOR VULVAR LICHEN SCLEROSIS: A PILOT STUDY <i>Renata Belotto*</i> , Daniela Silva, J.P. Tardivo, Mauricio Baptista, Nathali Pinto, Rosangela Itri, M. Cristina Chavantes, Woman’s Health Reference Center – Pérola Byington Hospital, Nove de Julho University, University of São Paulo, São Paulo, Brazil, Faculdade Sudoeste Paulista, Itapentininga, Brazil

*Presenter, → ASLMS Travel Grant Recipient

 **Photobiomodulation Session**

April 25, 2015 1:30 pm - 5:00 pm
 Room Osceola A

Juanita J. Anders, Ph.D., Co-Director
 Raymond J. Lanzafame, M.D., M.B.A., Co-Director
 Steve Tumilty, Ph.D., MPhty, Co-Director
 Gerald R. Ross, D.D.S., Co-Director (3:30 - 5:30 pm -
 Photobiomodulation/NAALT)

Saturday, April 25, 2015		
4:11 pm – 4:14 pm		Discussion
4:15 pm – 4:25 pm	137	EVALUATION PROCEDURE OF POST-LASER AND PHYSICAL THERAPY RESULTS ON TRAUMATIC SPINAL CORD INJURIES: A PROPOSAL <i>Diego Longo</i> →*, <i>Leonardo Longo</i> , <i>Paolo Lippi</i> , <i>Giulio Cherubini</i> , University of Florence, Florence, Italy, Institute Laser Medicine, International Academy Laser Medicine and Surgery, Firenze, Italy
4:26 pm – 4:29 pm		Discussion
4:30 pm – 4:50 pm		FDA’s Review Experience with Various Low-Level Light-Based Devices <i>Rudy Andriani</i> *, <i>Mehmet A. Kosoglu</i> , U.S. Food and Drug Administration, General Surgery Devices Branch, Division of Surgery, Silver Spring, MD
4:51 pm – 5:00 pm		Discussion

*Presenter, → ASLMS Travel Grant Recipient

? TO PODIUM ASLMS PDT/PAPDT Session

April 25, 2015 1:00 pm - 5:30 pm
 Room Osceola D

Macrene R. Alexiades-Armenakas, M.D., Ph.D., Co-Director
 Ron R. Allison, M.D., Co-Director
 Merrill A. Biel, M.D., Ph.D., Co-Director
 Merete Haedersdal, M.D., Co-Director

Clinical Update, Chair: Keith Cengel

Educational Needs

Photodynamic Therapy remains a superb means to ablate tumors. This session will review state of the art treatment for thoracic, esophageal and GI tumors using PDT. Clinical trials in PDT will be reviewed and updated.

Participants

Designed for clinicians, scientists, students and members of industry.

Background Requirements

No special background required for attendance.

Instructional Content and/or Expected Learning Outcomes

Clinical leaders in PDT will review current state of the art outcomes for Thoracic and GI PDT. Success and limitations of this therapy will be included. Mesothelioma therapy appears to be enhanced by PDT and this will be highlighted. Current clinical trials in PDT will be reviewed. It is expected that participants in these activities will identify gaps in their knowledge, competence or performance.

“Hot Topics”

- * Enhanced Outcomes for Mesothelioma with Treatment by PDT
- * High Response and Control of Early Lung Cancer by PDT
- * The Re-emergence of PDT for Early Esophageal Cancers

Saturday, April 25, 2015	
1:00 pm – 1:29 pm	PAPDT BUSINESS MEETING (All Welcome)
1:30 pm – 1:49 pm	THORACIC <i>Patrick Ross, M.D.*</i> , Chief of Thoracic Surgery, Ohio State University, Columbus, OH
1:50 pm – 2:09 pm	MESOTHELIOMA <i>Keith Cengel*</i> , University of Pennsylvania, Philadelphia, PA
2:10 pm – 2:29 pm	GI <i>Herbert Wolfson*</i> , Mayo Clinic Florida, Jacksonville, FL
2:30 pm – 2:44 pm	CLINICAL TRIALS <i>Keith Cengel*</i> , University of Pennsylvania, Philadelphia, PA
2:45 pm – 3:29 pm	Break – Visit the Exhibits/View ePosters – Florida Exhibit Halls E&F

*Presenter

? TO PODIUM ASLMS PDT/PAPDT Session

April 25, 2015 1:00 pm - 5:30 pm
 Room Osceola D

Macrene R. Alexiades-Armenakas, M.D., Ph.D., Co-Director
 Ron R. Allison, M.D., Co-Director
 Merrill A. Biel, M.D., Ph.D., Co-Director
 Merete Haedersdal, M.D., Co-Director

Antimicrobial PDT, Co-Chairs: Merrill A. Biel, Thomas Mang

Educational Needs

Photodynamic Therapy can ablate more than tumors. Many infectious particles such as bacteria, virus and fungus respond to PDT. Antimicrobial PDT is growing, particularly in the oral cavity. This session will highlight PDT for antimicrobial applications.

Participants

Designed for clinicians, scientists, students and members of industry.

Background Requirements

No special background required for attendance.

Instructional Content and/or Expected Learning Outcomes

The current state of the art for antimicrobial PDT will be reviewed. Limitations of the technology will be discussed. The expanding use of PDT as an antimicrobial therapy, particularly for the oral cavity will be highlighted. It is expected that participants in these activities will identify gaps in their knowledge, competence, or performance.

“Hot Topics”

- * The Growing Use of PDT for Oral Cavity Infections and Dental Disease will be Reviewed
- * Antimicrobial PDT offers a Potential Alternative to Antibiotics in Oral Cavity and Other Infections

Saturday, April 25, 2015		
3:30 pm – 3:49 pm		ANTIMICROBIAL PDT <i>Thomas Mang*</i> , SUNY at Buffalo School of Dental Medicine, Buffalo, NY
3:50 pm – 3:59 pm	120	MEMBRANE STRUCTURE AND SUSCEPTIBILITY OF BIOFILMS TO PDT <i>Thomas Mang*</i> , University of Buffalo, Buffalo, NY
4:00 pm – 4:09 pm	122	ANTIMICROBIAL EFFECT ON CANDIDA ALBICANS BY DIFFERENT COUPLING OF WAVELENGTHS AND COLORS IN PHOTODYNAMIC PROTOCOLS: IN VITRO AND IN VIVO STUDY <i>Elisabetta Merigo*→, Stefania Conti, Tecla Ciociola, Carlo Fornaini, Luciano Polonelli, Giuseppe Lagori, Marco Meleti, Paolo Vescovi</i> , University of Parma, Parma, Italy

*Presenter, →ASLMS Travel Grant Recipient

? TO PODIUM **ASLMS PDT/PAPDT Session**

April 25, 2015 1:00 pm - 5:30 pm
 Room Osceola D

Macrene R. Alexiades-Armenakas, M.D., Ph.D., Co-Director
 Ron R. Allison, M.D., Co-Director
 Merrill A. Biel, M.D., Ph.D., Co-Director
 Merete Haedersdal, M.D., Co-Director

PDT Roundtable, Co-Chairs: Macrene R. Alexiades-Armenakas, Merrill A. Biel

Educational Needs

Successful Photodynamic Therapy depends on many integrated aspects including pharmaceutical manufacturers, light source manufacturers, clinicians and scientists all working together to improve outcomes with PDT. Many barriers exist to successful PDT including competing therapies and lack of available drugs and light sources. This roundtable will discuss means to enhance the development of PDT for appropriate patients and clinical situations.

Participants

Designed for clinicians, scientists, students and members of industry.

Background Requirements

No special background required for attendance.

Instructional Content and/or Expected Learning Outcomes

A roundtable discussion between clinicians, scientists and industry will evaluate strengths and weaknesses in the current paradigms of PDT. It is expected that participants in these activities will identify gaps in their knowledge, competence or performance.

“Hot Topics”

- * Current Use of PDT Worldwide
- * New indications for PDT
- * Means to enhance PDT Recognition Worldwide
- * Points Where Industry, Science and the Clinic Intersect to Create New Synergies to Improve PDT

Saturday, April 25, 2015	
4:10 pm – 5:30 pm	PANEL DISCUSSION: THE FUTURE OF PDT Invited Leaders: <i>Serge Mordon</i> , OCR-TUT, Tampere, France <i>Merete Haedersdal</i> , Bispebjerg Hospital, Copenhagen, Denmark <i>Stuart Marcus</i> , DUSA Pharmaceuticals, Mount Kisco, NY <i>Robert S. Altman</i> , Pinnacle Biologics, Inc., Chicago, IL <i>Petteri Uusimaa</i> , Modulight, Inc. Tampere, Finland <i>Miguel Garcia-Guzman</i> , Aspyrian Therapeutics, San Diego, CA <i>Ron Hille</i> , Pioneer Optics, Bloomfield, CT

? TO PODIUM **Clinical Guidelines and Best Practices Session**

April 25, 2015 3:30 pm - 5:30 pm
 Room Naples

G. David Baxter, TD, DPhil., Director

Educational Needs

The purpose of this new session is to present and to discuss findings on novel applications of laser systems and technologies in various clinical specialties including cancer treatment and dermatology. Presentations will feature reports on clinical effectiveness from controlled clinical studies, as well as findings from large group studies.

Participants

Medical practitioners, including surgeons, oncologists and dermatologists, nursing and allied healthcare professionals, research scientists, and engineers are welcome to participate in this session.

Background Requirements

Participants should have a basic understanding of principles and practice of clinical laser applications, and of clinical research techniques.

Instructional Content and/or Expected Learning Outcomes

This session will include novel findings from clinical research studies in a variety of clinical applications. Participants will be provided an opportunity to extend their knowledge within these areas, and to enhance their appreciation and understanding of clinical applications of laser technologies, and to discuss relevance of laser systems and parameters to reported effects.

“Hot Topics”

- * MRI-Guided Laser Ablation for Cancers
- * Laser Therapy for Skin Damage and Scarring
- * Laser Treatment for Photoaging

Saturday April 25, 2015		
3:30 pm – 3:44 pm <i>(ePoster Available)</i>	39	USE OF THE Ho:YAG LASER IN STAGE 1 and 2 OROPHARYNGEAL SQUAMOUS CELL CANCER <i>Mike Dilkes*</i> , St Bartholomews Hospital, London, United Kingdom
3:45 pm – 3:59 pm	40	MRI-GUIDED FOCAL LASER ABLATION FOR LOCALIZED PROSTATE CANCER: EXPERIENCE WITH 14 TREATED TUMORS <i>Sherif Nour*</i> , <i>Tracy Powell</i> , Emory University, Atlanta, GA
4:00 pm – 4:14 pm	41	MRI-GUIDED LASER ABLATION FOR MALIGNANT RENAL NEOPLASMS: RESULTS OF 23 TREATED TUMORS <i>Sherif Nour*</i> , <i>Andrew Nicholson</i> , <i>Tracy Powell</i> , Emory University, Atlanta, GA
4:15 pm – 4:29 pm	42	A STUDY EXAMINING THE TREATMENT OF SOLAR LENTIGINES WITH THE REVLITE SI Q-SWITCHED Nd:YAG LASER SYSTEM <i>Neil Sadick*</i> , Weill Medical College of Cornell University, New York, NY
4:30 pm – 4:44 pm	LB6	3 YEARS FOLLOW-UP LASER REMODELING OF BURN SCARS <i>Katuska Rivera*</i> , <i>Geylor Acosta</i> , <i>Gabriel Ramirez</i> , Maracay, Aragua, Venezuela
4:45 pm – 4:59 pm	43	OTC LED MASK FOR THE TREATMENT OF PHOTOAGING – A VIABLE OPTION <i>Z. Paul Lorenc</i> , <i>I.David Shuter*</i> , New York, NY, Jupiter, FL

*Presenter

? TO PODIUM **Clinical Guidelines and Best Practices Session**

April 25, 2015 3:30 pm - 5:30 pm
 Room Naples

G. David Baxter, TD, DPhil., Director

Saturday April 25, 2015

5:00 pm – 5:14 pm	44	LASER THERAPY FOR CORRECTION OF LASER AND IPL INDUCED CUTANEOUS SCARRING AND PIGMENTATION CHANGES <i>Jerome Garden*</i> , <i>Abnoeal Bakus</i> , <i>Dina Yaghmai</i> , <i>Mary Massa</i> , Northwestern University, Rush University Medical Center, Chicago, IL
5:15 pm – 5:30 pm	45	CLINICAL STUDY ON REAL-TIME SKIN THERMOGRAPHY USED AS A THERMAL MONITOR DURING AESTHETIC LASER THERAPY BY INFRARED CAMERA <i>Jianxin Zhao</i> , <i>Guoyu Zhou*</i> , <i>Hao Peng</i> , <i>Yiyun Dong</i> , <i>Chuan Ma</i> , <i>Lingyue Shen</i> , School of Stomatology, Cosmetic Laser Center of Ninth People’s Hospital Affiliated to Shanghai Jiao Tong University Medical College, Shanghai, China

*Presenter

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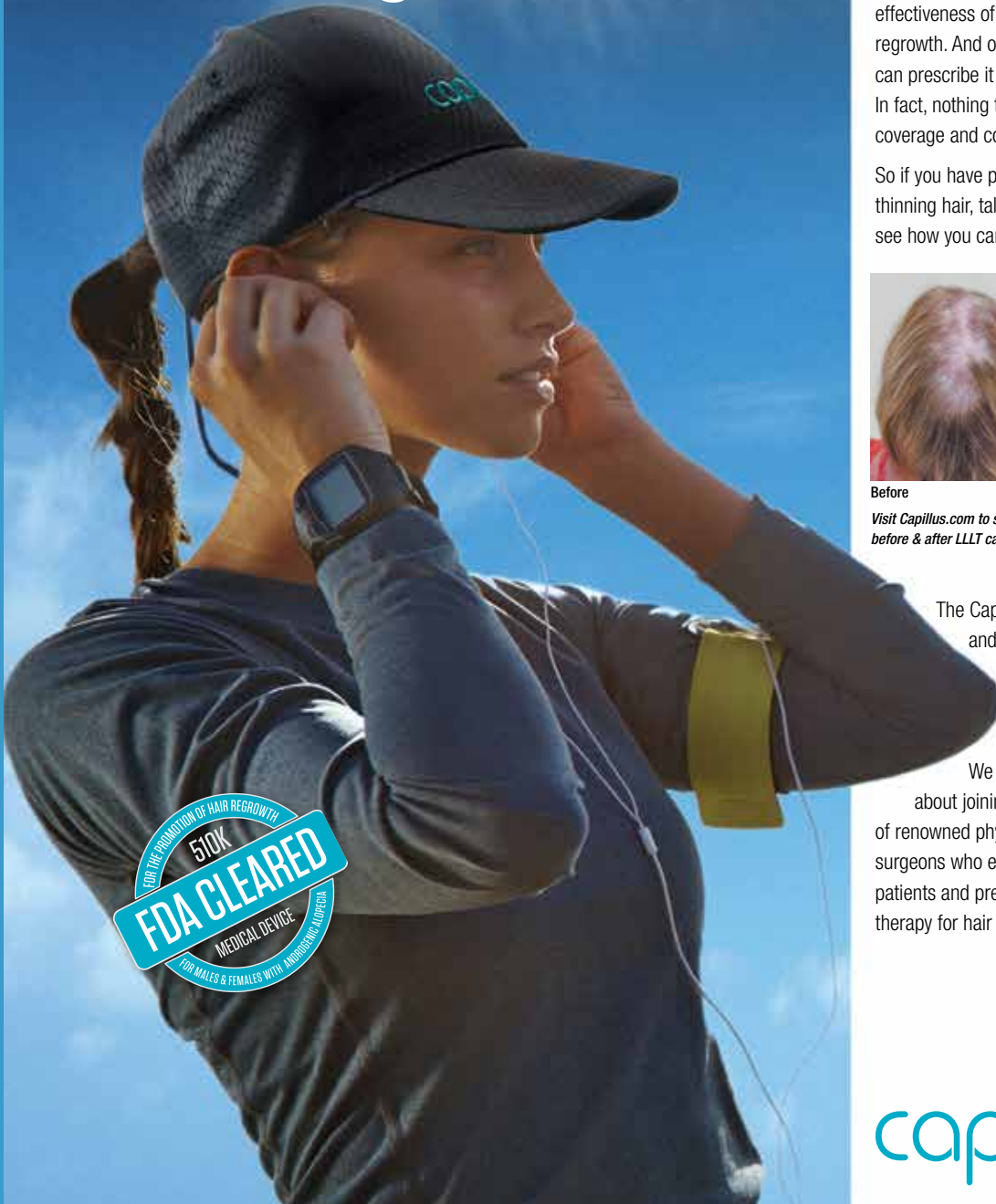
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Controversies in Laser Energy Devices Workshop

April 26, 2015 7:00 am - 9:00 am
 Room Florida Exhibit Hall D
**Included in Full Conference
 Registration Fee**

Directors: Michael S. Kaminer, M.D.,
 Dieter Manstein, M.D., Ph.D., Thomas E.
 Rohrer, M.D.

Faculty: Richard P. Felten, Roy G.
 Geronemus, M.D., Jeremy B. Green,
 M.D., Rosemary Harry, Jennifer L.
 MacGregor, M.D., Kavita Mariwalla, M.D.,
 Serge R. Mordon, Ph.D., Zakia Rahman,
 M.D., Deanne Mraz Robinson, M.D., E.
 Victor Ross, M.D., Anthony M. Rossi,
 M.D., Robert A. Weiss, M.D.

ACCME Accreditation Statement
 The American Society for Laser Medicine
 and Surgery, Inc. is accredited by the
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 Medical Education to provide continuing
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 The American Society for Laser
 Medicine and Surgery, Inc. designates
 this live activity for a maximum of 2
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 Physicians should claim only the credit
 commensurate with the extent of their
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 This offering by the ASLMS, in
 conjunction with Professional Medical
 Education Association is accredited
 for a maximum of 2.4 contact hours.
 Professional Medical Education
 Association is approved by the California
 Board of Registered Nursing, Provider
 # CEP 12386. Note: Most State Boards
 of Nursing accept another State Board's
 approval for granting credits. Check with
 the Board of Nursing in your state for
 clarification. Certificates of Attendance
 will be provided. You will receive a
 statement of CE contact hours after the
 Annual Conference.

Educational Needs
 This activity will educate physicians about and foster discussion on some
 of the more controversial issues in cutaneous laser, light and energy
 devices.

Participants
 This activity is designed for all physicians practicing with or conducting
 research on cutaneous lasers, lights or other energy devices.

Background Requirements
 No specific background requirements for this activity are required.

Instructional Content and/or Expected Learning Outcomes
 It is expected that the participants will have increased knowledge about
 devices and techniques to treat acne, melasma, tattoos, and fat, increased
 knowledge of how to structure their fee schedules, and increased
 knowledge about using energy devices to treat nail fungus.

Sunday, April 26, 2015	
7:00 am - 7:04 am	Introduction and Pre-Test - Michael S. Kaminer, Dieter Manstein, Thomas E. Rohrer
7:05 am - 7:19 am	The Role of Social Media, Blessing or Curse? - Jeremy B. Green, Kavita Mariwalla
7:20 am - 7:39 am	Pigmented Lesions and Tattoos. Does Pulse Duration Really Matter? - E. Victor Ross, Roy G. Geronemus
7:40 am - 7:59 am	Nail Fungus. Where Are We? - Serge R. Mordon, Zakia Rahman
8:00 am - 8:19 am	Body Contouring Devices. Many Devices. What To Do? - Jennifer L. MacGregor, Robert A. Weiss
8:20 am - 8:39 am	Cellulite: Does Anything Really Work? - Deanne Mraz Robinson, Anthony M. Rossi
8:40 am - 8:45 am	Light Based Parameters for Acne Treatments - Richard P. Felten
8:46 am - 8:58 am	Off Label Use: Legal and Opportunities - Rosemary Harry
8:59 am - 9:00 am	Conclusion and Post-Test - Michael S. Kaminer, Dieter Manstein, Thomas E. Rohrer

Combining Neuromodulators with Lasers, Lights and Other Energy Devices Workshop

April 26, 2015 7:00 am - 9:00 am
 Room Naples
Refer to registration form for fees.

Directors: Joely Kaufman, M.D., Victor A. Narurkar, M.D.

Faculty: Rebecca D. Baxt, M.D., Kristel D. Polder, M.D.

ACCME Accreditation Statement
 The American Society for Laser Medicine and Surgery, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

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Educational Needs

This activity is designed to provide information on how to safely and successfully combine aesthetic procedures.

Participants

The target audience includes dermatologists and laser surgeons who already have a well-developed basic understanding of the uses of lasers and are looking for advanced techniques on how to combine treatments.

Background Requirements

Participants should already be familiar with the use of toxins and fillers.

Instructional Content and/or Expected Learning Outcomes

At the completion of the activity, physicians will be able to evaluate the potential procedures that could be used safely in combination. This activity will describe the potential side effects and complications of performing laser and injections in the same visit. Physicians will learn how to integrate filler, toxin and laser procedures into their practice.

Sunday, April 26, 2015	
7:00 am - 7:04 am	Introduction and Pre-Test - Joely Kaufman, Victor A. Narurkar
7:05 am - 7:19 am	Botox and Laser/Light - Victor A. Narurkar
7:20 am - 7:34 am	Botox and Energy - Kristel D. Polder
7:35 am - 7:49 am	Fillers and Laser/Light - Joely Kaufman
7:50 am - 8:04 am	Combination Therapies for Acne Scarring - Rebecca D. Baxt
8:05 am - 8:14 am	Q&A
8:15 am - 8:44 am	What's Your Favorite Combination Therapy Panel Discussion - Faculty
8:45 am - 8:54 am	Q&A
8:55 am - 9:00 am	Conclusion and Post-Test - Joely Kaufman, Victor A. Narurkar

? TO PODIUM **Cutaneous Laser Surgery Session**

April 26, 2015 9 am - 12 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Sunday, April 26, 2015

9:00 am – 9:02 am		Introduction
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Pigment

Sunday, April 26, 2015

9:03 am – 9:09 am	75	COMPARISON OF THE INCIDENCE OF POST-INFLAMMATORY HYPERPIGMENTATION FROM 3 TYPES OF Q-SWITCHED LASER TREATMENT FOR SENILE LENTIGINES IN ASIAN SKIN <i>Hiroataka Akita*, Yusuke Morita, Naoko Ito, Ryosuke Sasaki, Kei Negishi, Kayoko Matsunaga, Fujita Health University School of Medicine, Toyoake, Japan, Kariya Toyota General Hospital, Kariya, Japan, Tokyo Women’s Medical University, Aoyama Institute of Women’s Medicine, Aoyama, Japan</i>
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9:10 am – 9:16 am	76	EVALUATION OF NON-ABLATIVE FRACTIONAL PHOTOTHERMOLYSIS WITH THE 1550nm ERBIUM-DOPED FIBER LASER FOR BENIGN PIGMENTED LESIONS IN DARKER SKIN TYPES <i>Brundha Balaraman*, Elizabeth R.C. Geddes, Paul Friedman, Dermatology and Laser Surgery Center, Houston, TX</i>
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DR. RICHARD E. FITZPATRICK CLINICAL RESEARCH AND INNOVATIONS AWARD

9:17 am – 9:23 am <i>(ePoster Available)</i>	77	595nm PULSED-DYE LASER IN COMBINATION WITH 1927nm FRACTIONAL LOW-POWERED DIODE LASER FOR PATIENTS EXHIBITING INCREASED VASCULARITY WITHIN LESIONS OF MELASMA <i>Elizabeth R.C. Geddes*, Ashlyn B. Stout, Paul M. Friedman, Dermatology and Laser Surgery Center, Houston, TX</i>
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BEST RESIDENT/FELLOW AWARD RECIPIENT

9:24 am – 9:30 am <i>(ePoster Available)</i>	78	TREATMENT OF PIGMENTARY DISORDERS IN PATIENTS WITH SKIN OF COLOR WITH A PICOSECOND ALEXANDRITE, Q-SWITCHED RUBY, AND Q-SWITCHED Nd:YAG LASERS: A RETROSPECTIVE PHOTOGRAPHIC REVIEW <i>Melissa Kanchanapoomi*→, Elise Ng, Yoon-Soo Bae, Adele Haimovic, Bradley Bloom, Jeremy Brauer, Robert Anolik, Elliot Weiss, Leonard Bernstein, Roy Geronemus, Laser & Skin Surgery Center of New York, New York, NY</i>
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9:31 am – 9:37 am	79	A RETROSPECTIVE STUDY OF A 755nm PICOSECONDS LASER FOR THE TREATMENT OF BENIGN PIGMENTARY LESIONS IN CHINESE <i>Samantha Y.N. Shek*, C.K. Yeung, Johnny C.Y. Chan, Henry H.L. Chan, The University of Hong Kong, Hong Kong</i>
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9:38 am – 9:44 am	LB14	EPIDERMAL FLUENCE THRESHOLD DETERMINATION BY REAL-TIME MELANIN MEASUREMENTS <i>Amanda Lloyd*, Michael Graves, E. Victor Ross, Scripps Clinic, La Jolla, CA</i>
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9:45 am – 9:58 am		Q&A
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9:59 am – 10:05 am	80	MICROPULSE ALEXANDRITE LASER TREATMENT OF SOLAR LENTIGINES IN ASIANS <i>Taro Kono*, Kotaro Imagawa, Mariko Fujibayashi, Muneo Miyasaka, Tokai University, Isehara, Japan</i>
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*Presenter, → ASLMS Travel Grant Recipient

? TO **PODIUM** **Cutaneous Laser Surgery Session**

April 26, 2015 9 am - 12 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Body Contouring

Sunday, April 26, 2015		
10:06 am – 10:12 am	LB15	A MULTICENTER STUDY OF THE SAFETY AND EFFICACY OF A NON-INVASIVE 1060nm DIODE LASER FOR FAT REDUCTION OF THE FLANKS <i>Bruce Katz*</i> , <i>Sean Doherty</i> , Juva Skin & Laser Center, New York, NY, Boston Plastic Surgery Associates, Concord, MA
10:13 am – 10:19 am	81	A PROSPECTIVE STUDY TO DETERMINE LONG TERM EFFICACY OF RF-INDUCED NON-INVASIVE FAT REDUCTION <i>Diane Duncan*</i> , <i>Theresa Kim</i> , <i>Robbin Temaat</i> , Plastic Surgical Associates, Fort Collins, CO, York University, Toronto, Ontario, Canada
10:20 am – 10:26 am (ePoster Available)	82	SAFETY AND EFFICACY OF COLDER TEMPERATURE, SHORTER DURATION CRYOLIPOLYSIS TREATMENTS <i>Suzanne Kilmer*</i> , <i>Gerald Boey</i> , <i>A. Jay Burns</i> , Laser and Skin Surgery of Northern California, Sacramento, CA, Arbutus Laser Centre, Vancouver, British Columbia, Canada, EpiCentre Skin Care and Laser Center, Dallas, TX
10:27 am – 10:33 am	LB16	NON-INVASIVE FAT REDUCTION OF THE ABDOMEN: A MULTICENTER STUDY WITH A 1060nm DIODE LASER <i>Lawrence Bass*</i> , <i>Sean Doherty</i> , Bass Plastic Surgery PLLC, New York, NY, Boston Plastic Surgery Associates, Concord, MA
10:34 am – 10:40 am	83	PARADOXICAL ADIPOSE HYPERPLASIA SECONDARY TO CRYOLIPOLYSIS <i>Selina Singh*</i> →, <i>Elizabeth R.C. Geddes</i> , <i>Sean Boutrous</i> , <i>Robert Galiano</i> , <i>Paul Friedman</i> , Dermatology and Laser Surgery Center, Houston Plastic and Craniofacial Surgery, Houston, TX, Northwestern Medical Faculty Foundation, Chicago, IL
10:41 am – 10:47 am	84	THE EFFICACY OF A SECOND GENERATION FOCUSED ULTRASOUND COMBINED WITH RADIOFREQUENCY FOR BODY CONTOURING IN CHINESE <i>Samantha Y.N. Shek*</i> , <i>C.K. Yeung</i> , <i>Johnny C.Y. Chan</i> , <i>Henry H.L. Chan</i> , The University of Hong Kong, Hong Kong

Drug Delivery

Sunday, April 26, 2015		
10:48 am – 10:54 am	85	IN VIVO OPTICAL COHERENCE TOMOGRAPHY AND REFLECTANCE CONFOCAL MICROSCOPY: IMAGING THE DYNAMICS IN CLOSURE OF FRACTIONAL LASER ABLATED MICROCHANNELS <i>Christina Banzhaf*</i> →, <i>Bas Wind</i> , <i>Mette Mogensen</i> , <i>Katrine Karmisholt</i> , <i>Arne Meesters</i> , <i>Uwe Paasch</i> , <i>Albert Wolkerstorfer</i> , Merete Haedersdal, Bispebjerg Hospital, Copenhagen, Denmark, Academic Medical Centre, University of Amsterdam, Amsterdam, Netherlands, University of Leipzig, Leipzig, Germany

*Presenter, →ASLMS Travel Grant Recipient



Cutaneous Laser Surgery Session

April 26, 2015 9 am - 12 pm
 Room Florida Exhibit Hall D

Mathew M. Avram, M.D., J.D., Co-Director
 Eric F. Bernstein, M.D., MSE, Co-Director
 H. Ray Jalian, M.D., Co-Director

Sunday, April 26, 2015

10:55 am – 11:01 am (ePoster Available)	86	PRESSURE ENHANCES FRACTIONAL LASER-ASSISTED DRUG DELIVERY <i>Andrés M. Erlendsson*→, Apostolos G. Doukas, William A. Farinelli, Brijesh Bhayana, R. Rox Anderson, Merete Haedersdal</i> , Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA, Bispebjerg University Hospital, University of Copenhagen, Copenhagen, Denmark
11:02 am – 11:08 am (ePoster Available)	87	RAPID DERMAL DEPOSITION OF INGENOL MEBUTATE USING PRESSURE AND ABLATIVE FRACTIONAL LASER <i>Andrés M. Erlendsson*, Apostolos G. Doukas, William A. Farinelli, Andre H. Eriksson, John R. Zibert, R. Rox Anderson, Merete Haedersdal</i> , Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA, LEO Pharma A/S, Ballerup, Denmark, Bispebjerg University Hospital, University of Copenhagen, Copenhagen, Denmark
11:09 am – 11:15 am (ePoster Available)	88	RAPID FIBRIN PLUG FORMATION WITHIN ABLATIVE FRACTIONAL CO₂ LASER LESIONS <i>Garuna Kosiratna*→, Dieter Manstein</i> , Massachusetts General Hospital, Harvard Medical School, Boston, MA
11:16 am – 11:22 am	89	FRACTIONAL ABLATIVE LASER FOLLOWED BY TRANSDERMAL ACOUSTIC PRESSURE WAVE DEVICE TO ENHANCE THE DRUG DELIVERY OF AMINOLEVULINIC ACID – IN VIVO FLUORESCENCE MICROSCOPY STUDY <i>Jill Waibel*, Ashley Rudnick, Carlos Nousari</i> , Miami, FL
11:23 am – 11:29 am	LB17	EVALUATION OF MICROFOCUSED ULTRASOUND AND VISUALIZATION (MFU-V) FOR EFFICACIOUS AND SAFE TREATMENT OF LEG TELANGIECTASIA <i>Daniel P. Friedmann*, Steven M. Gitt</i> , Westlake Dermatology Clinical Research Center, Westlake Dermatology & Cosmetic Surgery, Austin, TX, North Valley Plastic Surgery, Phoenix, AZ
11:30 am – 11:36 am	LB18	INSTANT THERMAL RESPONSES OF BLOOD VESSELS TO LASER PULSES <i>Bin Chen, Dong Li*</i> , XiAn Jiaotong University, XiAn, Shaanxi, China
11:37 am – 11:57 am		Q&A

*Presenter, →ASLMS Travel Grant Recipient

PODIUM Basic Science and Translational Research Session

April 26, 2015 9:00 am - 12:00 pm
 Room Osceola C

Christopher G. Rylander, Ph.D., Co-Director
 Tianyi Wang, Ph.D., Co-Director

Short-Pulsed Energy Interactions with Tissue

Sunday April 26, 2015		
9:00 am – 9:29 am		INVITED SPEAKER SURGERY USING SHORT-PULSED LASERS – BEYOND PHOTOTHERMOLYSIS? <i>Thomas Milner*</i> , University of Texas at Austin, Austin, TX
9:30 am – 9:44 am (ePoster Available)	22	GENE EXPRESSION ANALYSIS IN CULTURED HUMAN SKIN FIBROBLASTS FOLLOWING EXPOSURE TO A PICOSECOND PULSED ALEXANDRITE LASER AND SPECIALLY DESIGNED FOCUS OPTIC <i>David McDaniel*</i> , McDaniel Institute of Anti-Aging Research, Virginia Beach, VA
9:45 am – 9:59 am	23	DOSIMETRY <i>IN VITRO</i> AND <i>IN VIVO</i> TISSUE INTERACTION, SAFETY AND EFFICACY OF A RADIOFREQUENCY FRACTIONAL MICROPLASMA DEVICE FOR SCARS AND STRETCH MARKS <i>Uwe Paasch*</i> , University of Leipzig, Leipzig, Germany
10:00 am – 10:14 am	24	FEMTOSECOND LASER INDUCED BREAKDOWN SPECTROSCOPY FOR TISSUE CHARACTERIZATION: A PRELIMINARY STUDY <i>Ruby Gill*→, Zachary Smith, Ripul Panchal, Sebastian Wachsmann-Hogiu</i> , University of California Davis, Sacramento, CA
10:15 am – 10:29 am	LB3	INFLUENCE OF ABSORPTION INDUCED THERMAL INITIATION PATHWAY ON IRRADIANCE THRESHOLD FOR LASER INDUCED BREAKDOWN <i>Babu Varghese, Valentina Bonito*, Martin Jurna, Jonathan Palero, Margaret Horton, Rieko Verhagen</i> , Philips Research, Eindhoven, Netherlands
10:30 am – 10:44 am		Break

Speckle Imaging/Sensing

Sunday April 26, 2015		
10:45 am – 10:59 am	26	HANDHELD LASER SPECKLE IMAGING SYSTEM FOR NEONATAL BLOOD FLOW IMAGING <i>Ryan Farraro*, Omid Fathi, Bernard Choi</i> , Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA
11:00 am – 11:14 am	27	DESIGN AND <i>IN VITRO</i> EVALUATION OF ENDOSCOPE-BASED DEVICE FOR FLOW IMAGING <i>Akshay Paul*, Edmund Florendo, Brian Smith, Bernard Choi</i> , Beckman Laser Institute and Medical Clinic, University of California, Irvine School of Medicine, Irvine, CA
11:15 am – 11:29 am	28	THE ROLE OF LASER SPECKLE IMAGING IN EMERGENCY AND TRAUMA MEDICINE <i>Bruce Yang*, Owen Yang, Jangwoen Lee, Sari Mahon, Matthew Brenner, Bernard Choi</i> , Beckman Laser Institute and Medical Clinic, Irvine, CA
11:30 am – 11:44 am	29	PORTABLE LASER SPECKLE IMAGING DEVICE FOR THE ASSESSMENT OF PERIPHERAL MICROCIRCULATION <i>Sean White*, Tyler Rice, Bruce Yang</i> , Laser Associated Sciences, Irvine, CA

*Presenter, →ASLMS Travel Grant Recipient

? TO PODIUM Basic Science and Translational Research Session

April 26, 20159:00 am - 12:00 pm
 RoomOsceola C

Christopher G. Rylander, Ph.D., Co-Director
 Tianyi Wang, Ph.D., Co-Director

Speckle Imaging/Sensing

Sunday April 26, 2015

11:45 am – 12:00 pm (ePoster Available)	LB4	LOW-LEVEL LASER THERAPY EFFECTS ON MUSCULAR ACUTE INFLAMMATION <i>Daniele Oliveira, Janaina Hereman, Jessica Noda, Quintana Verena, Bruna Monte, Fernando Bomfim*</i> , Anhanguera Educacional, UNIARARAS, UNIFESP, São Paulo, Brazil
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*Presenter

? TO PODIUM **Biological Imaging Session**

April 26, 2015 9:00 am - 11:15 am
 Room Osceola A

Ilko K. Ilev, Ph.D., Director

Educational Needs

The purpose of this session is to present and discuss the latest design of light-based diagnostic and imaging devices and their early translation of this knowledge to clinical applications.

Participants

Scientists, engineers, medical practitioners, individuals in industry and other health care professionals involved in biomedical applications of light are invited to participate in these sessions.

Background Requirements

Participants should have an understanding of light interaction with biological tissues and basic and clinical research.

Instructional Content and/or Expected Learning Outcomes

This session will provide the latest data on biomedical imaging in a wide spectrum of applications. The participants will increase their knowledge on cutting-edge advances in optical imaging and its clinical application.

“Hot Topics”

- * Detection of Breast Cancer at the Cellular Level Using Fluorescence Polarization Imaging
- * Delineation of Non-Melanoma Skin Cancers with Combined Imaging Techniques
- * Real-time imaging to monitor: thermal damage using diffuse reflectance spectroscopy, clinical perfusion measurements of port wine stain birthmarks during PDT using laser speckle imaging and surgical margins of lentigo maglina using a hand-held confocal microscope.

Sunday, April 26, 2015		
9:00 am – 9:10 am	30	OPTICAL YIELD POINT DETERMINED BY DYNAMIC SPATIAL FREQUENCY DOMAIN IMAGING <i>Jose Calderon*, David Serrano, University of Puerto Rico, Mayaguez, Puerto Rico</i>
9:11 am – 9:14 am		Discussion
9:15 am – 9:25 am	31	FLUORESCENCE POLARIZATION IMAGING FOR DETECTING BRAIN CANCER AT CELLULAR LEVEL <i>Xin Feng*, Yulian Ramirez, Yingying Huang, Alonzo Ross, Michael Hamblin, Anna Yaroslavsky, University of Massachusetts, Lowell, MA, University of Massachusetts Medical School, Worcester, MA, Massachusetts General Hospital, Boston, MA</i>
9:26 am – 9:29 am		Discussion
BEST EARLY CAREER SCIENTIST AWARD RECIPIENT		
9:30 am – 9:40 am	32	COMBINING TERAHERTZ PULSED IMAGING IN FREQUENCY DOMAIN AND POLARIZATION OPTICAL IMAGING FOR DELINEATING NONMELANOMA SKIN CANCERS <i>Bo Fan*→, Victor Neel, Anna Yaroslavsky, Advanced Biophotonics Laboratory, University of Massachusetts, Lowell, MA, Massachusetts General Hospital, Boston, MA</i>
9:41 am – 9:44 am		Discussion
9:45 am – 9:55 am	33	MEASURING COOLING IN SOFT TISSUES USING MAGNETIC RESONANCE THERMOGRAPHY <i>Amir Sajjadi*, Dieter Manstein, Stefan Carp, Boston, MA</i>
9:56 am – 9:59 am		Discussion

*Presenter, →ASLMS Travel Grant Recipient

? TO PODIUM **Biological Imaging Session**

April 26, 2015 9:00 am - 11:15 am
 Room Osceola A

Ilko K. Ilev, Ph.D., Director

Sunday, April 26, 2015

10:00 am – 10:10 am	34	REAL-TIME MONITORING OF THERMAL DAMAGE IN <i>EX VIVO</i> TISSUES USING DIFFUSE REFLECTANCE SPECTROSCOPY <i>Vivek Krishna Nagarajan*</i> , Bing Yu, The University of Akron, Akron, OH
10:11 am – 10:14 am		Discussion
10:15 am – 10:25 am	35	OPTICAL CHARACTERIZATION OF TUMOR HETEROGENEITY IN SOFT TISSUE SARCOMAS <i>Zain Gowani*→</i> , John Nguyen, Maggie O'Connor, Ginger Holt, Anita Mahadevan-Jansen, Vanderbilt University, Vanderbilt University Medical Center, Nashville, TN
10:26 am – 10:29 am		Discussion
10:30 am – 10:40 am	36	REAL-TIME CLINICAL PERFUSION MEASUREMENTS USING LASER SPECKLE IMAGING OF PORT-WINE STAIN BIRTHMARKS DURING PHOTODYNAMIC THERAPY <i>Sean White*</i> , Bruce Yang, Kristen Kelly, Bernard Choi, University of California, Irvine, CA
10:41 am – 10:44 am		Discussion
10:45 am – 10:55 am (ePoster Available)	37	REAL TIME CONFOCAL MICROSCOPY OF LENTIGO MALIGNA TO GUIDE SURGICAL MARGINS USING A HANDHELD CONFOCAL MICROSCOPE <i>Anthony Rossi*</i> , Miguel Cordova, Milind Rajadhyaksha, Kishwer Nehal, Memorial Sloan Kettering Cancer Center, New York, NY
10:56 am – 10:59 am		Discussion
11:00 am – 11:10 am	LB5	REAL-TIME ANALYSIS OF METABOLIC ACTIVITY WITHIN ADIPOCYTES BY FLUORESCENCE LIFETIME IMAGING MICROSCOPY OF NADH <i>Michael Evers*</i> , Nunciada Salma, Reginald Birngruber, Conor L. Evans, Dieter Manstein, Cutaneous Biology Research Center, Massachusetts General Hospital, Harvard Medical School, Wellman Center for Photomedicine, Boston, MA, Institute for Biomedical Optics, University of Luebeck, Luebeck, Germany
11:11 am – 11:14 am		Discussion

*Presenter, → ASLMS Travel Grant Recipient

Resident/Fellow Abstract Session

April 26, 2015 8:45 am - 12:30 pm
 Room Osceola B

Brundha Balaraman, M.D., Co-Director, Bradley S. Bloom, M.D., Co-Director, Elizabeth Geddes, M.D., Co-Director, Jeremy B. Green, M.D., Co-Director, Anthony M. Rossi, M.D., Co-Director

Educational Needs

This program is designed to focus on the educational needs of residents and fellows who utilize biomedical lasers and energy devices. This session will provide a forum for discussion of various topics in laser medicine, stimulating interest in key concepts as well as novel applications.

Participants

This activity is designed for residents and fellows in dermatology, plastic surgery and ophthalmology.

Background Requirements

A fundamental knowledge of basic laser principles is beneficial.

Instructional Content and/or Expected Learning Outcomes

After this session, participants will have a better understanding of key concepts and current research being conducted in biomedical lasers. Also participants will garner practical applications and tips for treatment of various conditions.

Sunday, April 26, 2015		
8:45 am – 8:52 am		INTRODUCTION <i>Bradley S. Bloom, Anthony M. Rossi</i>

Medical

Sunday, April 26, 2015		
8:53 am – 8:58 am <i>(ePoster Available)</i>	LB31	THE EFFECT OF HIGH PEAK POWER LASER THERAPY ON SCLERODERMA <i>Amarachi Eseonu*, Heidi Prather, Jonhan Ho, John Durkin, Suzan Obagi,</i> University of Pittsburgh School of Medicine, Pittsburgh, PA, SkinCare Physicians, Chestnut Hill, MA, University of Pittsburgh Medical Center, Pittsburgh, PA
8:59 am – 9:04 am <i>(ePoster Available)</i>	LB32	A RETROSPECTIVE CHART REVIEW TO ASSESS THE SAFETY PROFILE OF THE 755nm ALEXANDRITE PICOSECOND LASER WITH THE DIFFRACTIVE LENS ARRAY IN FITZPATRICK SKIN TYPES IV-VI <i>Adele Haimovic*, Jeremy A. Brauer, Roy G. Geronemus,</i> NYU Langone Medical Center, Laser & Skin Surgery Center of New York, New York, NY
<u>OUTSTANDING RESIDENT/FELLOW AWARD RECIPIENT</u>		
9:05 am – 9:10 am <i>(ePoster Available)</i>	138	OUTCOMES OF DIODE LASER ENUCLEATION OF THE PROSTATE FOR BENIGN PROSTATIC HYPERTROPHY <i>Michael Amirian*, Jeffrey Walker, Akhil Das,</i> Thomas Jefferson University, Philadelphia, PA
9:11 am – 9:16 am	139	TWO CASES OF LOCALIZED SCLERODERMA TREATED WITH ABLATIVE FRACTIONAL LASER THERAPY AND INJECTABLE FILLERS <i>Jennifer Croix*, Navid Ezra, Melanie Kingsley,</i> Indiana University, Indianapolis, IN
9:17 am – 9:22 am	140	CASE REPORT: PORT WINE STAIN TREATED WITH PDL AND TOPICAL SIROLIMUS OINTMENT <i>Thomas Griffin*→, Robert Finney, Nazanin Saedi,</i> Thomas Jefferson University Hospital, Philadelphia, PA

*Presenter, → ASLMS Travel Grant Recipient

Resident/Fellow Abstract Session

April 26, 2015 8:45 am - 12:30 pm
Room Osceola B

Brundha Balaraman, M.D., Co-Director, Bradley S. Bloom, M.D., Co-Director, Elizabeth Geddes, M.D., Co-Director, Jeremy B. Green, M.D., Co-Director, Anthony M. Rossi, M.D., Co-Director

Sunday, April 26, 2015

9:23 am – 9:28 am	141	FRACTIONAL ABLATIVE CO₂ LASER FOR TREATMENT OF CHRONIC ULCERS IN EPIDERMOLYSIS BULLOSA <i>Hilary Reich*→, Melanie Schaefer, Susan Olson, Brian Zelickson, University of Minnesota, Minneapolis, MN, Zel Skin and Laser Specialists, Edina, MN</i>
9:29 am – 9:34 am (ePoster Available)	142	A CASE OF LYMPHANGIOMA CIRCUMSCRIPTUM SUCCESSFULLY TREATED WITH FRACTIONAL CARBON DIOXIDE LASER ABLATION <i>Sandeep Saluja*→, Marta Petersen, Erika Summers, University of Utah Hospitals, Salt Lake City, UT</i>
9:35 am – 9:40 am	143	A NEW MINIMALLY INVASIVE METHOD OF TREATING BASAL CELL CANCERS IN A PORT WINE STAIN: A CASE REPORT <i>Muhammad Javed*, Max Murison, Welsh Centre for Burns and Plastic Surgery, Swansea, United Kingdom</i>
OUTSTANDING RESIDENT/FELLOW AWARD RECIPIENT		
9:41 am – 9:46 am (ePoster Available)	144	CO₂ LASER ABLATION OF SUPERFICIAL AND EARLY NODULAR BASAL CELL CARCINOMA GUIDED BY REFLECTANCE CONFOCAL MICROSCOPY WITH RESPONSE CONTROL BY MOHS MICROGRAPHIC SURGERY <i>Brian Hibler*→, Heidy Sierra, Miguel Cordova, Milind Rajadhyaksha, Kishwer Nehal, Anthony Rossi, Memorial Sloan Kettering Cancer Center, New York, NY</i>
9:47 am – 9:52 am (ePoster Available)	145	NOVEL ASSESSMENT OF BRONCHIAL ASTHMA WITH LASER SPECTROSCOPE <i>Mai Seoudy Elsheikh* →, National Research Center, Cairo, Egypt</i>
9:53 am – 9:58 am		Q&A

Basic Science

Sunday, April 26, 2015

9:59 am – 10:04 am	146	UV FLUORESCENCE EXCITATION IMAGING IN WOUND HEALING: WOUND SIZE AND WOUND CLOSURE MEASUREMENTS <i>Ying Wang* →, Enoch Gutierrez-Herrera, Antonio Ortega-Martinez, William Farinelli, Apostolos Doukas, R. Rox Anderson, Walfre Franco, Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA</i>
10:05 am – 10:10 am	147	MILD TEMPERATURE HYPERTHERMIA INDUCING DOPPLER OPTICAL COHERENCE TOMOGRAPHY ENDOSCOPE FOR EARLY DETECTION OF COLORECTAL CANCER IN A MOUSE MODEL <i>Weston Welge* →, Jennifer Barton, University of Arizona, Tucson, AZ</i>
10:11 am – 10:16 am (ePoster Available)	148	FUNCTION-SPECIFIC PATHWAY-MEDIATED PHOTOBIO-MODULATION ON THE EXTRACELLULAR TRAPS FORMATION OF STENT NEUTROPHILS <i>Min Wu*, Timon Cheng-Yi Liu, Kang-Tao Lv, Ya Liang, Quan-Guang Zhang, Laboratory of Laser Sports Medicine, South China Normal University & Sport Science College, Shenyang Sport University, Guangzhou, Guangdong, Shenyang, Liaoning, China, Institute of Molecular Medicine and Genetics, Medical College of Georgia at Georgia Regents University, Augusta, GA</i>

*Presenter, → ASLMS Travel Grant Recipient

Resident/Fellow Abstract Session

April 26, 2015 8:45 am - 12:30 pm
 Room Osceola B

Brundha Balaraman, M.D., Co-Director, Bradley S. Bloom, M.D., Co-Director, Elizabeth Geddes, M.D., Co-Director, Jeremy B. Green, M.D., Co-Director, Anthony M. Rossi, M.D., Co-Director

Sunday, April 26, 2015

10:17 am – 10:22 am <i>(ePoster Available)</i>	149	A SYSTEMATIC APPROACH TO UNRAVEL HOW LIGHT IMPACTS PRIMARY HUMAN DERMAL FIBROBLASTS <i>Charles-Antoine Mignon*</i> , <i>Natalia E. Uzunbajakava</i> , <i>Bianca Raafs</i> , <i>Marijke van Vlimmeren</i> , <i>Mounir Zeitouny</i> , <i>Andrei N. Mardaryev</i> , <i>Julie Thornton</i> , <i>Serena Buscone</i> , <i>Irene Castellano</i> , <i>Desmond J. Tobin</i> , <i>Natalia V. Botchkareva</i> , Philips Research, Eindhoven, The Netherlands, Centre for Skin Sciences, University of Bradford, Bradford, United Kingdom
10:23 am – 10:28 am <i>(ePoster Available)</i>	150	LIGHT PARAMETERS IN LOW-LEVEL LIGHT THERAPY: A SYSTEMATIC LITERATURE REVIEW <i>Charles-Antoine Mignon*</i> , <i>Natalia E. Uzunbajakava</i> , <i>Mounir Zeitouny</i> , <i>Marijke van Vlimmeren</i> , <i>Tom Nuijs</i> , <i>Andrei Mardaryev</i> , <i>Natalia V. Botchkareva</i> , <i>Julie Thornton</i> , <i>Gill Westgate</i> , <i>Desmond J. Tobin</i> , Philips Research, Eindhoven, The Netherlands, Centre for Skin Sciences, University of Bradford, Bradford, United Kingdom
10:29 am – 10:34 am		Q&A

Pigmented Lesions and Aesthetics

Sunday, April 26, 2015

10:35 am – 10:40 am	151	TREATMENT OF TRAUMATIC TATTOO USING PICOSECOND ALEXANDRITE LASER <i>Andrew Breithaupt*</i> →, <i>Gary Lask</i> , University of California, Los Angeles, CA
10:41 am – 10:46 am <i>(ePoster Available)</i>	152	COMPLETE RESOLUTION OF MINOCYCLINE PIGMENTATION WITH NON-ABLATIVE 1550nm FRACTIONAL PHOTOTHERMOLYSIS IN COMBINATION WITH THE 755nm Q-SWITCHED ALEXANDRITE LASER <i>Whitney DeLozier*</i> , <i>Elizabeth Geddes</i> , <i>Paul Friedman</i> , <i>Ramya Vangipuram</i> , University of Texas at Houston, Dermatology & Laser Surgery Center, Houston, TX, Texas Tech University Medical School, Lubbock, TX
10:47 am – 10:52 am	153	FIRST REPORT OF ERBIUM LASER AS THE PREFERRED TREATMENT IN A COMPARISON OF FIVE MODALITIES FOR STEATOCYSTOMA MULTIPLEX <i>Milene Crispin*</i> , <i>Mina Ally</i> , <i>S. Tyler Hollmig</i> , <i>Sumaira Aasi</i> , <i>Zakia Rahman</i> , Stanford University, Palo Alto, CA
10:53 am – 10:58 am <i>(ePoster Available)</i>	154	FRACTIONAL BIPOLAR RADIOFREQUENCY (SUBLATIVE) FOR THE TREATMENT OF PERIORAL WRINKLES <i>Bryan Sofen*</i> →, <i>Jason Emer</i> , Rush University Medical Center, Chicago, IL, Spalding Drive Plastic Surgery and Dermatology, Beverly Hills, CA
OUTSTANDING RESIDENT/FELLOW AWARD RECIPIENT		
10:59 am – 11:04 am	155	OPTIMIZATION OF LASER EXPOSURE PARAMETERS IN FRACTIONAL PHOTOTHERMOLYSIS TO AVOID BULK HEATING <i>Yakir Levin*</i> →, <i>Garuna Kosiratna</i> , <i>Michael Evers</i> , <i>Dieter Manstein</i> , Boston University, Massachusetts General Hospital, Boston, MA

*Presenter, → ASLMS Travel Grant Recipient

Resident/Fellow Abstract Session

April 26, 2015 8:45 am - 12:30 pm
 Room Osceola B

Brundha Balaraman, M.D., Co-Director, Bradley S. Bloom, M.D., Co-Director, Elizabeth Geddes, M.D., Co-Director, Jeremy B. Green, M.D., Co-Director, Anthony M. Rossi, M.D., Co-Director

Sunday, April 26, 2015

11:05 am – 11:10 am (ePoster Available)	156	EROSIVE PUSTULAR DERMATOSIS OF THE FACE FOLLOWING TRADITIONAL FULLY ABLATIVE CO₂ LASER RESURFACING <i>Stephanie Gan*</i> , Julie Mervak, Frank Wang, Ann Arbor, MI
11:11 am – 11:16 am	157	DEFINING THE ABSORPTION SPECTRUM OF A POPULAR SUNLESS TANNER, DIHYDROXYACETONE, USING REFLECTANCE PHOTOSPECTROMETRY <i>Michael Graves*</i> , Amanda Lloyd, E. Victor Ross, Scripps Clinic, La Jolla, CA
11:17 am – 11:22 am		Q&A

Scars

Sunday, April 26, 2015

11:23 am – 11:28 am (ePoster Available)	158	LASER TREATMENT OF SURGICAL AND TRAUMATIC SCARS <i>Meghan Feely*</i> , Elizabeth Tanzi, Mount Sinai – St. Luke’s – Roosevelt and Beth Israel, New York, NY, Washington Institute of Dermatologic Laser Surgery, Washington, DC
11:29 am – 11:34 am	159	MULTIMODAL THERAPY FOR POST-SURGICAL SCARRING <i>Shraddha Desai*→</i> , Laura Kruter, Kenneth Arndt, SkinCare Physicians, Chestnut Hill, MA
11:35 am – 11:40 am	160	NON-ABLATIVE FRACTIONATED RESURFACING IN THE TREATMENT OF SCAR CONTRACTURE <i>Robert Finney*→</i> , Nazanin Saedi, Thomas Jefferson University, Philadelphia, PA
11:41 am – 11:46 am	161	EXCELLENT AESTHETIC AND FUNCTIONAL OUTCOME AFTER FRACTIONATED CARBON DIOXIDE LASER SKIN GRAFT REVISION SURGERY: CASE REPORT AND REVIEW OF LASER SKIN GRAFT REVISION TECHNIQUES <i>Derek Ho*</i> , Jared Jagdeo, Sacramento VA Medical Center, Mather, CA, University of California Davis, Sacramento, CA
11:47 am – 11:52 am	162	TREATMENT OF FACIAL ACNE SCARS WITH 755nm PICOSECOND LASER <i>Jayne Joo*→</i> , Suzanne Kilmer, University of California Davis, Laser & Skin Surgery Center of Northern California, Sacramento, CA
11:53 am – 11:58 am (ePoster Available)	163	USE OF INTRAOPERATIVE HIGH-DEFINITION ULTRASOUND TO ACCURATELY GAUGE SCAR THICKNESS AND IDENTIFY INTRA-SCAR ANATOMY DURING MULTIMODAL REVISION OF A HYPERTROPHIC BURN SCAR <i>Anne Zhuang, Tuyet Ann Nguyen*→</i> , John Naheedy, Andrew Krakowski, University of California, Rady Children’s Hospital, San Diego, CA
11:59 am – 12:04 pm		Q&A
12:05 pm – 12:30 pm		LASER QUIZ

*Presenter, → ASLMS Travel Grant Recipient

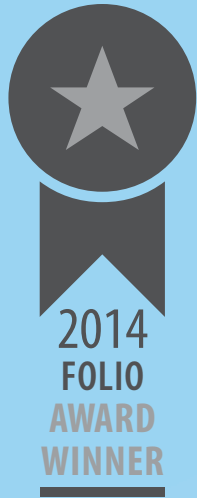
Conference Wrap-Up Session

April 26, 2015 12:00 pm - 12:30 pm
 Room Florida Exhibit Hall D

G. David Baxter, TD, DPhil, Co-Director
 Paul M. Friedman, M.D., Co-Director

A new feature for the Annual Conference, the 2015 Annual Conference Wrap-Up Session features highlights from the chairs/directors of the main sessions, together with a brief look forward to the 2016 Conference. The 30 minute session provides an overview of the key messages and highlights from across the program. It is the perfect opportunity to learn the highlights of the sessions you were not able to attend.

Sunday, April 26, 2015	
Basic Science and Translational Research Session	Christopher G. Rylander, Ph.D
Biological Imaging Session	Ilko K. Ilev, Ph.D
Combining Neuromodulators with Lasers, Lights and Other Energy Devices Workshop	Joely Kaufman, M.D.
Cutaneous Laser Surgery Session	Eric F. Bernstein, M.D., MSE
Laser Dental Applications Session	Praveen R. Arany, D.D.S., M.D.S., M.M.Sc., Ph.D
Laser Assisted Drug Delivery Workshop	Jill S. Waibel, M.D.
Nursing/Allied Health Course	Mary Stoll, B.S., R.N.
Pediatric Laser Focus Workshop	Andrew C. Krakowski, M.D.
ASLMS PDT/PAPDT Session	Ron R. Allison, M.D
Photobiomodulation Session	Raymond J. Lanzafame, M.D., M.B.A
Resident/Fellow Abstract Session	Anthony M. Rossi, M.D
Prelude to 2016 Annual Conference	Jeremy Green, M.D



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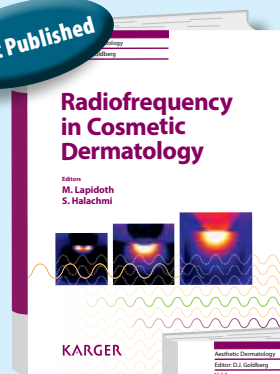


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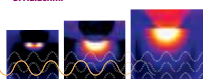
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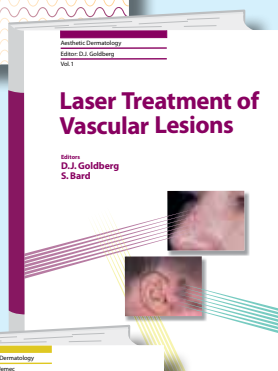
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Laser Treatment of Vascular Lesions

Editors:
D.J. Goldberg
S. Bard



Aesthetic Dermatology, Vol. 1

Laser Treatment of Vascular Lesions

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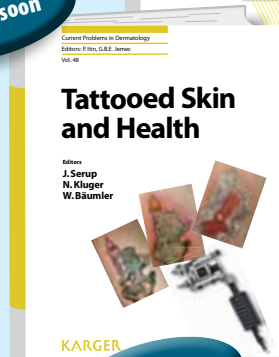
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Editors:
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W. Bäumlner



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Exhibits/ePosters

FLORIDA EXHIBIT HALLS E&F EXHIBIT HALL HOURS	
Wednesday, April 22, 2015	Exhibits Closed
Thursday, April 23, 2015	Exhibits Closed
Friday, April 24, 2015	9:00 am – 5:00 pm
Saturday, April 25, 2015	9:00 am – 7:00 pm
Sunday, April 26, 2015	Exhibits Closed

ePosters

Twenty viewing stations will be located in the Exhibit Hall. We have extended the lunch hours and breaks to allow additional time for viewing ePosters and visiting with the exhibitors. No hard copy posters will be on display. A maximum of four CME credits will be offered for viewing the ePosters.

ePoster Q&A

Each ePoster will include a tab labeled “Questions and Answers”. When the conference attendee clicks on the Q&A tab, they will view a running list of questions along with each question’s corresponding answer from the author. Additionally, there will be a button labeled “Submit a Question”. When the conference attendee clicks this button, they will be provided with a form which has a blank area for them to type and submit their question to the author. The system will update every morning at 6 am local time. All questions and answers from the previous day will be posted to each ePoster. Also, the Q&A log will be viewable in the post-conference online version, but the ability to ask questions will not be available in the post-conference online version.

A list of ePosters will be available as a handout in the program tote bag distributed at the 35th Annual Conference.

Exhibit Hall Highlights

- Located adjacent to the largest scientific sessions.
- ePoster viewing stations, beverage stations, and the Silent Auction located in the Exhibit Hall.
- Special “Exhibitor Breaks” will be scheduled from 2:45 – 3:30 pm on Friday and Saturday. Educational sessions on both Friday and Saturday will be adjourned during these times.

SPECIAL DRAWINGS FOR \$1,000 EACH WILL BE HELD IN THE EXHIBIT HALL DURING LUNCH AND BREAKS. YOU MUST BE PRESENT TO WIN.

Exhibits

Academy of Laser Dentistry Tabletop 5

P.O. Box 8667 • Coral Springs, FL 33065
 The Academy of Laser Dentistry (ALD) is an international professional membership association dedicated to improving the health and well-being of patients through the proper use of lasers and light technology. Through ALD's educational offerings and credentialing program, we provide valuable expertise in the field of lasers in dentistry—expertise that ultimately benefits the patients dentists serve. We are improving patients' health and well-being, every day. This is our mission; it's simple. Join by June 30, 2015 and save \$100 during the 2015 Membership Drive. Founded in 1993 following the merger of three societies, ALD is the largest international organization devoted to laser dentistry. Members include general dentists, pediatric dentists, oral and maxillofacial surgeons, orthodontists, endodontists, periodontists, prosthodontists, hygienists, and others interested in laser dentistry. Our membership also includes commercial manufacturers of lasers, laser accessories and other high-tech products. Visit www.laserdentistry.org. Visit ALD on Facebook, Linked in and Twitter.

Acuderm, Inc. 506

5370 NW 35th Terrace, Suite 106 • Ft. Lauderdale, FL 33309
 We welcome the opportunity to introduce you to our new line of top quality surgical instruments made in Germany at significant savings! As with all our products, we offer 100% satisfaction guarantee! You'll like our attention to high quality and service at excellent values! We look forward to meeting you and serving your needs.

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • BRONZE SPONSOR

Aerolase Corporation Island 323

777 Old Saw Mill River Road • Tarrytown, NY 10591
 Aerolase is the leader in developing advanced laser technology for aesthetic and medical dermatology applications. By reinventing and redesigning traditional "big-box" lasers, Aerolase has progressively made laser technology portable more powerful, more versatile and more cost-effective for practitioners, while making laser treatments more effective, safer and gentler for patients. Now, practitioners are able to perform the full range of aesthetic medical laser treatments without the costs, consumables, and servicing of the previous generation of lasers. Advance your laser technology.

SILENT AUCTION DONOR • SILVER SPONSOR

Alma Lasers, Inc. Island 309

485 Half Day Road, Suite 100 • Buffalo Grove, IL 60089
 Visit us at booth 309 to participate in "Hot Topic" presentations and discussions featuring experts in the industry and Alma Lasers' new breakthrough technologies.

American Society of Cosmetic Physicians 725

8000 South Kolb Road, Suite 101 • Tucson, AZ 85706
 The American Society of Cosmetic Physicians (ASOCP) is an organization which encourages the open exchange of ideas, techniques, patient safety, technological advancements and complications. ASOCP is proud to have faculty, members, and healthcare professionals from all specialties who are open to sharing their knowledge and expertise. Since 1998, the ASOCP has been involved in training physicians in a variety of cosmetic procedures. In 2004, the ASOCP established a cosmetic procedure training network throughout the America's and around the world which now includes more than 25 training sites with dedicated and esteemed faculty members.

Exhibits

American Society for Laser Medicine and Surgery, Inc..... 630
 2100 Stewart Avenue, Suite 240 • Wausau, WI 54401

The American Society for Laser Medicine and Surgery is the world’s largest scientific organization dedicated to facilitating research, education, and high standards of clinical care in the field of medical laser applications. It provides a forum for the exchange of scientific information and participates in communicating the latest developments in laser medicine and surgery to clinicians, research investigators, government, regulatory agencies, and the public. The Society has taken the lead in formulating standards and guidelines for establishing safe, effective laser programs in hospitals and other institutions, and has recommended standards for medical laser training programs.

Anthony Products, Inc. 804
 7740 Records Street • Indianapolis, IN 46226

For 46 years, Anthony Products, Inc. has specialized in the distribution of ENT, plastic surgery and dermatology instruments and equipment. Gio Pelle, specializes in customized skincare and microdermabrasion. Gio Pelle offers personalized gel packs for post procedure recovery. Private label opportunities are also available.

SILENT AUCTION DONOR

Apira Science, Inc..... 831
 2601 Main Street, Suite 530 • Irvine, CA 92614

Apira Science will be exhibiting the iGrow Hair Growth Laser and the iDerma Facial Beautification systems.

Aquavit Pharmaceuticals..... 711
 100 Park Avenue, 16th Floor • New York, NY 10017

AQUAGOLD® Fine Touch™ is the first of its kind, direct dermal application using an array of twenty 24K screw thread micro needles. Aquavit Pharmaceuticals is also a multi-specialty healthcare company focused on discovering, developing and commercializing innovative pharmaceuticals, medical device, and health technologies. For more information, visit www.aquavitpharma.com.

Ascentium Capital 532
 23970 Highway 59 North • Kingwood, TX 77339

Ascentium Capital is a direct lender that specializes in providing equipment financing and leasing to small businesses in the healthcare industry. We offer fast and flexible customized financing solutions with applications only up to \$250,000, credit approvals in as little as two hours, 100% financing, and customized payment structures. Visit our website at www.AscentiumCapital.com.

Astanza Laser 322
 1770 Saint James Place, Suite 505 • Houston, TX 77056

Advanced technology with unparalleled support, Astanza Laser products are the gold standard of the tattoo removal industry. Greater efficacy, better safety, and superior reliability make our lasers the choice of physicians and business owners concerned about patient satisfaction and practice profitability. Our lasers are the foundation to a well-equipped clinic; our partnership is what makes those clinics thrive.

Exhibits

SILENT AUCTION DONOR • COPPER SPONSOR

B&W Tek, Inc...... **910**
 19 Shea Way • Newark, DE 19713

B&W Tek, Inc. is an advanced instrumentation company producing optical spectroscopy and laser instrumentation. Our strong vertical integration capability allows us to provide custom product development, design and manufacturing. We have a proven track record in delivering innovative OED & OEM solutions for the pharmaceutical, biomedical, medical, chemical, and lighting industries. All key components are designed in-house and manufactured in our ISO 9001 and 13485 certified manufacturing facility, allowing customers to take advantage of B&W Tek’s industrial design and custom development services to create a solution in as little as 90 days.

BioPhotonics, A Photonics Media Publication **Tabletop 2**
 100 West Street • Pittsfield, MA 01201

Photonics Media – the Pulse of the Industry - Explore the world of light-based technology with www.photonics.com, in print, or on our free mobile apps. As the publisher of *Photonics Spectra*, *Industrial Photonics*, *BioPhotonics* and *EuroPhotonics* magazines, we bring you the latest news, research and applications articles you need to succeed. Subscribe now for free, within our publications or on www.photonics.com, to join our already large, international readership determined to staying on top of the latest photonics industry news.

BIOS..... **921**
 Via Guido Rossa 10 • Vimodrone, Milan, Italy 20090

Bios is an Italian company that designs, manufactures and markets through global distributors, network, medical lasers and medical-aesthetic devices. Founded in 1982, is ISO 9001:2014, ISO 13485:2014 and 21CFR820 (FDA) certified. The headquarters is located in Milan where workshops and trainings take place frequently.

Bovie Medical Corporation..... **227**
 5115 Ulmerton Road • Clearwater, FL 33760

Bovie® Medical Corporation will be featuring J-Plasma®—the helium-based, gas plasma technology that is transforming the way surgeries are performed. See for yourself how J-Plasma® works with precision and versatility across open and laparoscopic gynecological procedures. Bovie will also exhibit its complete line of electro-surgical generators, PTFE-coated electrodes, and laparoscopic instruments.

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • SILVER SPONSOR

BTL Industries, Inc. **Island 615**
 312 Long Pointe Lane • Columbia, SC 29229

Established in 1993, BTL Industries, Inc. is a leading manufacturer of medical and aesthetic devices. This European based company brings a well-known portfolio including brands VANQUISH™, EXILIS Elite™ and PROTÉGÉ Elite™ to the United States marketplace. BTL’s Aesthetic division manufactures non-surgical RF devices for procedures that patients want most.

SILENT AUCTION DONOR

Canfield Imaging Systems..... **807**
 253 Passaic Avenue • Fairfield, NJ 07004-2524

Canfield Imaging Systems is the leading developer of photographic imaging solutions for the medical and skin care industries. Canfield products are utilized in medical and aesthetic practices, hospitals, skin care centers and medical spas. Product lines include Mirror® imaging software, VISIA® complexion analysis, VECTRA® 3D systems, Reveal® facial imagers, VEOS® dermatoscopes, IntelliStudio® photographic studio solutions and numerous specialized imaging systems for clinical photography. Canfield Imaging Systems is a division of Canfield Scientific, the world’s leading provider of custom photographic systems, image monitoring, and centralized analysis services for the clinical studies in the pharmaceutical, biotechnology and cosmetics industries.

Exhibits

Capillus, LLC..... 822

1430 South Dixie Highway, Suite 304 • Coral Gables, FL 33146

Capillus, LLC is a USA-based company that manufactures and markets the preeminent, FDA-cleared, Capillus272 laser cap, a low-level laser therapy device that has been deemed safe and effective for the treatment of hair loss due to hereditary in adults. The company connects physicians to patients who suffer with hair loss. The Capillus272, sold only through physicians, is a non-surgical option for hair loss that patients wear under a sports cap for just 30 minutes a few times a week, at home or on the go.

Chromogenex US, Inc. 525

5872 Sterling Drive • Howell, MI 48843

Chromogenex US, Inc. has been the leading manufacturer of cutting-edge lasers in the aesthetics market for over 25 years. Chromogenex’s flagship products: the i-Lipo and i-Lipo Ultra are the award-winning, non-surgical laser systems for body contouring and circumferential reduction.

Clinical Resolution Lab, Inc..... 906

1400 W. Lambert Road, Suite C • Brea, CA 92821

Clinical Resolution Laboratory, Inc. is committed to anti-aging health and technology by developing instruments and techniques that produce exceptional results in the cosmetic and medical industries. Clinical Resolution Laboratory has been engaged in the business of designing, producing, and distributing aesthetic skincare products and cosmeceuticals for global markets since the year 2000.

Crystal Clear Digital Marketing 304

5728 Major Boulevard, Suite 301 • Orlando, FL 32819

Crystal Clear Digital Marketing offers a complete digital marketing system: from search engine optimization, search engine marketing, social media engagement, web sites, email marketing, mobile and text marketing, Patient relationship management and so much more. Crystal Clear does most of the work so local practices don’t have to.

INDUSTRY ADVISORY COUNCIL MEMBER

Cutera Island 731

3240 Bayshore Boulevard • Brisbane, CA 94005

Cutera is a leading provider of laser and other energy-based systems for practitioners worldwide. Cutera’s innovative laser and energy products include; Enlighten, truSculpt, Excel V, Excel HR, GenesisPlus, VariLite and Xeo and provides some of the most advanced and versatile technologies available today. Since 1998, Cutera has been developing innovative, easy-to-use products that enable physicians and other qualified practitioners to offer safe and effective aesthetic treatments to their patients.

INDUSTRY ADVISORY COUNCIL MEMBER • GOLD SPONSOR

Cynosure, Inc. Island 415

5 Carlisle Road • Westford, MA 01886

Cynosure, Inc. leads the world in aesthetic laser technologies and research, creating innovative, safe, and efficacious procedures for the treatments patients want most. These include hair removal, treatment of vascular and pigmented lesions, skin revitalization, tattoo removal, laser lipolysis to liquefy and remove unwanted fat, and the temporary reduction in the appearance of cellulite. Established in 1991, Cynosure has expanded its family of products through strategic acquisitions including Palomar, a pioneer in cosmetic laser and IPL systems. The company is headquartered in Westford, Massachusetts.

Exhibits

DEKA Medical, Inc. 508

746 Southview Way • Woodside, CA 94062
 DEKA Medical, Inc., a division of the El.En. Group, a world leader and pioneer in the laser market and industry, brings a selected range of medical and aesthetic devices, including the highly acclaimed SmartXide DOT to the North American market. DEKA Medical provides advanced devices capable of delivering the highest standards in safety, reliability and consistency.

DermaSweep 511

4231 Pacific Street, Suite 3 • Rocklin, CA 95677
 DermaSweep's 3-in-1 therapy combines bristle tip powered exfoliation with increased circulation for a gentle, yet extremely effective microresurfacing treatment. Following the desired level of exfoliation, the skin is then infused with targeted skin specific infusions. DermaSweep's SkinFusions contain proven ingredients, like protective antioxidants, soothing and calming botanicals, hydrating humectants, clarifying alpha-hydroxy acid, skin transforming peptides, age reversing growth factors, and DNA repair enzymes. DermaSweep treats pigmentation, acneic skin, oily or sebaceous skin, dry and dehydrated skin, fine lines and wrinkles, skin laxity, as well as, sensitive skin, and the eye area. The result is brighter, radiant, supple, skin, with less noticeable fine lines and wrinkles. DermaSweep system is safe for all skin types and most skin conditions.

Directed Light, Inc. 908

633 River Oaks Parkway • San Jose, CA 95134
 Directed Light, Inc. is a leading global provider of superior quality, cost effective laser products and services to the medical, industrial and scientific marketplace. We have been in business for 30 years. Our experience and extensive network makes Directed Light your single, trusted source for mission-critical laser components, supplies and personalized service for your medical laser and IPL. Directed Light offers reliable repair of medical lasers and IPL's. We are committed to excellence in product quality and customer satisfaction and offer an extensive stock of critical components.

Dermatology Times Tabletop 6

485F US 1 S, Suite 100 • Iselin, NJ 08830
 Dermatology Times is the only clinical news resource service of a readership of more than 14,000 dermatologists and other professionals focused on skincare.

Doctor.com 537

1222 North Kings Road, Suite 3 • West Hollywood, CA 90069
 Doctor.com helps doctors turn the internet into their #1 referrer of new patients. They partner with their clients to manage and measure all facets of their online marketing from reputation management and patient reviews to new patient acquisition, always with total accountability and an unwavering focus on client satisfaction. Doctor.com's secret weapon is their unique ability to promote clients across an exclusive network of top-tier healthcare websites that reach more than 12 million patients monthly. No other company has access to this network of sites or the core technology that streamlines the management of important practice information across all the healthcare sites that matter most. Doctor.com stands alone when it comes to simplifying the process of getting online and rapidly establishing a dominant internet presence that translates into real business value.

Doctors Toy Store 723

2512 SW 30th Avenue • Hallandale, FL 33009
 Dr's Toy Store has provided quality medical equipment and exceptional service since 1998. Thanks to all of our customers we now have the largest medical showroom in Florida. At the Dr's Toy Store we specialize in medical equipment sales and repairs. One of our strengths is our cosmetic sector. Not only do we sell medical lasers but we also service and repair them ourselves. When doing business with us, you can feel confident that you are purchasing your equipment from a reliable source who will stand behind the product. Our inventory consists of a variety of equipment for cosmetic procedures like hair removal, skin tightening, skin rejuvenation, vascular pigmentation, acne treatment and a lot more.

Exhibits

DOTmed.com Tabletop 4

29 Broadway • New York, NY 10006
 DOTmed.com is the world's leading medical equipment marketplace. We also published HealthCare Business News magazine, which any attendee or exhibitor can pick up for free at our booth.

DUSA Pharmaceuticals, Inc..... 331

25 Upton Drive • Wilmington, MA 01887
 DUSA Pharmaceuticals, Inc. is an integrated, dermatology pharmaceutical company focused primarily on the development and marketing of its Levulan® photodynamic therapy (PDT) technology platform treatment of Grade I or II AKs of the face or scalp. For more information visit www.dusapharma.com.

E Compounding Pharmacy..... 833

21250 Califa Street, Suite 109 • Woodland Hills, CA 91367
 E Compounding Pharmacy, located in Los Angeles, CA. is a “closed door” compounding pharmacy that focuses on dermatologic compounds. Our specialties are anesthetic creams/ointments for numbing and bleaching creams for hyperpigmentation. We do not provide retail and other products that would only distract us away from our primary focus which is compounding. We utilize a proprietary topical technology platform that has been shown to enhance the rate and penetration of various active pharmaceutical ingredients resulting in superior results driven products. We look beyond fads and hype surrounding the latest popular ingredients to analyze claims and develop formulas that work with the skin's natural rhythms to induce positive, visible results. Our mission is to provide cutting edge formulations, impeccable customer service and ingredients-driven products to all our professional clients. Our success is measured by our commitment to our customers and their long-term relationship with us.

Eclipse Aesthetics, LLC..... 400

13988 Diplomat Drive, Suite 160 • Dallas, TX 75234
 Eclipse Aesthetics, LLC is a leading supplier of aesthetic devices and products. Eclipse portfolio includes: Skinfinity RF™, Eclipse MicroPen TR, Eclipse MicroPen Elite™ micro-needling, Eclipse PRP™, MicroGlide GF, ScarMD scar and stretchmark cream and XTaz hydrating mask. For more information visit www.eclipseaesthetics.com.

SILENT AUCTION DONOR • COPPER SPONSOR

Ellipse USA 430

1620 Little Raven Street, Suite 101 • Denver, CO 80202
 IPL and laser based work station for multiple treatments; hair removal for skin types 1-6, diffuse redness, pigmented lesions, facial spider telangiectasias, acne, Nd:YAG laser hand-piece for leg veins and onychomycosis (clear nail).

Elsevier, Inc..... 432

1600 John F. Kennedy Boulevard, Suite 1800 • Philadelphia, PA 19103
 Elsevier, Inc. is a leading publisher of health science publications, advancing medicine by delivering superior reference information and decision support tools to doctors, nurses, health practitioners and students.

EltaMD Skincare 530

2055 Luna Road, Suite 126 • Carrollton, TX 75006
 Booth visitors will receive an EltaMD® sample kit with sunscreen and skin care products formulated for post-treatment application.

SILENT AUCTION DONOR

EndyMed, Inc. 907

790 Madison Avenue, Suite 402 • New York, NY 10021
 EndyMed, Inc. will have on display both the EndyMed PRO platform with handpiece device, the desktop EndyMed Pure device with attached handpieces and company brochures and television monitor for company videos.

Exhibits

Enovative Technologies.....433

11935 Worcester Highway • Bishopville, MD 21813
 Ingenuity for a better life, Enovative Technologies designs products that help improve people's lives. Our brands focus on enhancing comfort, well-being and convenience for our consumers.

Eufoton Lasers 930

6909 Sandy Shore Road • Columbia, SC 29206
 Eufoton Lasers of Trieste, Italy, manufactures portable surgical and medical lasers (vascular surgery, laser lipolysis, onychomycosis, pain management, facial rejuvenation). We aim to improve the quality of minimally invasive medical laser procedures. Eufoton is committed to the advancement of laser applications, procedures and to the development of cutting edge technology.

SILENT AUCTION DONOR

Fallene, Ltd..... 535

2495 Boulevard of the Generals, Bldg. B • Norristown, PA 19403-5236
 Fallene, Ltd. produces products exclusively for skin care professionals who offer the very finest retail skin care products. The TiZO line can be obtained exclusively from Fallene and is not available through any other retail channels, including the Internet. All of the TiZO products are oil, alcohol, fragrance and PABA free. TiZO Sun Protection Age Defying Fusion that offers superior sun protection in a silky, cosmetically elegant lotion, with a non-greasy matte finish. It contains the #1 and #2 rated sunscreen filters that helps prevent premature skin aging, sun-induced wrinkles and loss of firmness. TiZO layers invisibly under makeup and refines the look of the skin. Perfect for everyday use and gentle enough to use after aesthetic rejuvenating skin procedures such as laser, microdermabrasion, chemical peel or facial cosmetic surgery.

Focus Medical..... 505

23 Francis J Clark Circle • Bethel, CT 06801

FotoFinder Systems, Inc..... 608

9693 Gerwig Lane, Suite 5 • Columbia, MD 21046-2837
 FotoFinder Systems, Inc. sells imaging systems for brilliant and consistent before and after's of face and body.

Fotona..... Island 425

1241 Puerta Del Sol • San Clemente, CA 92672
 Fotona, celebrating 50 years of laser expertise and leadership, has sold over 25,000 lasers worldwide with distribution in over 60 countries. Fotona produces award winning lasers in dentistry, aesthetics, dermatology, gynecology, and surgery, leading the industry in quality, reliability, ease-of-use and durability. Fotona is dedicated to its motto, "Choose Perfection".

Hawaiian Moon 536

321 S. Missouri Avenue • Clearwater, FL 33756
 Say goodbye to dry skin with Hawaiian Moon organic aloe cream!

HydraFacial MD – Edge Systems, LLC..... 316

2277 Redondo Avenue • Signal Hill, CA 90755
 Edge Systems is an FDA registered manufacturer of advanced aesthetic technologies and products that deliver high return on investment (ROI) opportunities. Edge provides ongoing, comprehensive marketing support to help increase customer's profitability. Edge's premier system is the HydraFacial MD® skin solution based hydradermabrasion system, ranked one level above IPL for skin rejuvenation. The HydraFacial™ uses the patented HydroPeel® tips to resurface the skin while simultaneously Vortex-Fusing™ skin enhancing solutions, including antioxidants, hyaluronic acid, peptide complex, and acid peels.

Exhibits

Incredible Marketing..... 501

310 Goddard, Suite 200 • Irvine, CA 92618
 We're web scientists with attitude! Online marketing experts, to be exact... We took the medical world by storm six years ago, serving up the world's best medical Search Engine Optimization (SEO), Social Media Marketing (SMM), content marketing, mobile websites, and web design. Think your digital marketing is incredible? Find out at the Incredible Marketing booth 501.

InMode..... 301

100 Leek Crescent, Suite 15 • Richmond Hill, ON L4B 3E6 • Canada
 InMode is an Israeli-based medical device company that manufactures and markets aesthetic applications: body contouring, skin resurfacing, skin rejuvenation, hair removal, essentially 15+ revenue streams in one machine. InMode has revolutionary non-invasive options for fractional skin resurfacing and contraction (Fractora), ultra-fast diode hair removal (Diolaze), skin pigmentation and vascular lesions (Lumecca Photofacial), and cellulite/body contouring (BodyFX). InMode will continue to provide superior quality and innovative technology for the most in-demand procedures patients want most.

SILENT AUCTION DONOR

Innovative Optics, Inc. 404

6812 Hemlock Lane • Maple Grove, MN 55369
 Innovative Optics, Inc. is a leading manufacturer of laser and IPL eyewear. We specialize in the manufacturing and distribution of protective glasses, goggles and eye shields for clinicians and patients. We also offer a wide variety of laser safe products including barriers, windows, sheets and signs. Our products are found in the healthcare, dental, and industrial markets world-wide. Custom made products include prescription laser spectacles, and the patented Laser Clip-In which is worn with magnifying loupes when operating a laser.

Jan Marini Skin Research, Inc..... 318

5883 Rue Ferrari • San Jose, CA 95138
 Jan Marini Skin Research, Inc. is a recognized leader in providing medically based topical skincare solutions to physicians and skin care professionals.

K-Laser USA..... 905

1185 West Main Street • Franklin, TN 37064
 K-Laser USA is a pioneer in Class IV laser therapy in the United States and a global leader developing the next generation laser technology to relieve pain and aid healing. Offering a non-surgical solution for human and veterinary healthcare practitioners, our work is guided by physicians and our equipment stands apart for its durability, ease of use and international safety clearances while providing the most powerful and effective therapeutic laser used in medicine. Backed by a philosophy of continuous improvement, K-Laser USA is committed to providing the most advanced, innovative and effective tools to clinicians and their patients worldwide.

SILENT AUCTION DONOR

Laser Institute of America Tabletop 1

13501 Ingenuity Drive, Suite 128 • Orlando, FL 32822
 Laser Institute of America (LIA), founded in 1968, is the professional society for laser applications and safety. Our mission is to foster lasers, laser applications, and laser safety worldwide. We offer a complete line of laser safety training courses for personnel in research, industrial, and medical laser facilities. These courses offer flexible and convenient learning options including online, classroom based and onsite training. All of LIA's courses are based on the ANSI Z136 Series of Laser Safety Standards. For more information, please visit www.lia.org.

Exhibits

Laser Peripherals, LLC 201

13355 10th Avenue N., Suite 110 • Minneapolis, MN 55441-5554

Laser Peripherals, LLC Surgical Fibers designs, manufactures, distributes and OEM's medical laser fibers for use in both hard and soft tissue surgical laser applications. We manufacture and market at least forty different surgical fiber options for use with Diode, Holmium, KTP and Nd:YAG lasers. Fiber designs include freebeam, contact and lateral emitting. Laser Peripherals is regulatory compliant, FDA registered, and ISO/CE certified. We have continual opportunities for distribution partners in a variety of both national and International markets.

Laser Scientific 705

210 Commerce Boulevard, Suite A • Round Rock, TX 78664

Laser Scientific specializes in designing, engineering, and manufacturing high performance laser components, replacement parts and accessories for a variety of cosmetic lasers. In addition, we provide nation-wide service and global equipment sales and support.

Lasertel, Inc. 926

7775 N. Casa Grande Highway • Tucson, AZ 86743

Lasertel, Inc. is a vertically-integrated manufacturer of high-power semiconductor laser components and developer of customer laser solutions servicing the defense, medical and industrial industries. We deliver a wide range of chips, bars, array packages and fiber-coupled devices with peak wavelengths from 770nm to 1050nm, and peak powers from 200mW to several kW. We encourage innovation and complement our unequalled product line with an extraordinary level of personal service. Our 35,000-square-foot, next generation, MBE-based production facility in Tucson, Arizona, uses state-of-the-art equipment and patented processes to deliver standard and custom laser diode solutions that meet the requirements of demanding applications.

SILENT AUCTION DONOR • COPPER SPONSOR

Light Age, Inc. 701

500 Appar Drive • Somerset, NJ 08873

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • SILVER SPONSOR

Lumenis, Inc. Island 609

2033 Gateway Place, Suite 200 • San Jose, CA 95110

Lumenis®, the world's largest medical laser company, is a global developer, manufacturer and distributor of laser and energy based medical devices. With 225 registered patents, numerous FDA clearances, an installed base of over 80,000 systems and a presence in over 100 countries, Lumenis products are recognized worldwide as the industry Gold Standard.

SILENT AUCTION DONOR

Lutronic, Inc. Island 815

850 Auburn Court • Fremont, CA 94538-7306

Lutronic, Inc. is a leading innovator in advanced aesthetic technology, was established in 1997 bringing intuitive, robust, versatile devices that are affordable and efficacious to the worldwide medical community. Our versatile system offerings include melasma, tattoo removal, vascular lesions, hair removal, wrinkle reduction, resurfacing, body/facial contouring, healing and more.

MD-Ware Software 411

1788 Drew Road • Mississauga, Ontario L5S 1L7 • Canada

MD-Ware Software is practice management software, electronic medical records and marketing software all in one. It is the easiest and most powerful solution available today. From our easy touch screen design to our automated marketing to our fast simple EMR we are the clear choice. The program also handles Escripts, insurance billing, inventory plus so much more and we have a great show special.

Exhibits

MedEsthetics Magazine **409**
 7628 Densmore Avenue • Van Nuys, CA 91406
 MedEsthetics and Surgical Aesthetics magazine serve medical professionals and private practices that offer noninvasive, minimally invasive and surgical cosmetic procedures by providing coverage on practice management, practice building, industry news, and the latest equipment and treatment trends.

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • COPPER SPONSOR

Miramar Labs **Island 717**
 2790 Walsh Avenue • Santa Clara, CA 95051-0963
 Stop underarm sweat. Forever. For Everyone*. More than half your patients want freedom from embarrassing sweat and odor. The miraDry system uses precisely delivered microwave energy combined with contact cooling to destroy sweat and odor glands while protecting the epidermis, upper dermis and sensitive underlying structures. miraDry permanently eliminates sweat and odor glands in as little as one fast, safe treatment. With more than 30,000 procedures worldwide, miraDry provides one of the highest patient satisfaction ratings of all non-surgical aesthetic procedures.
 *Not for pediatric use.

Modulight, Inc. **636**
 Hermiankatu 22 • Tampere, Finland 33720
 Lasers and optics for personalized medicine and better life. Modulight has 15 years of history in designing and manufacturing lasers for OEM and ODM applications in medical, industrial, defense, space and other applications. Our flagship, ETL and CE certified product, ML7710 comes ready to support many laser related treatment modalities including: PDT, surgery and photo disinfection. All our lasers are manufactured at Tampere Finland in our 41,000 sq. ft. state-of-the-art ISO13485 semiconductor fab and manufacturing facility.

Neograft..... **634**
 419 Southfork, Suite 103 • Lewisville, TX 75057
 NeoGraft is the first and only FDA-cleared follicular unit harvesting and implantation system. The NeoGraft system delivers automation of the FUE technique, the most advanced technique in the hair transplant industry. This revolutionary automated hair transplantation system is the only complete harvesting system on the market. The system has the only 'NO TOUCH' implantation technology. NeoGraft is a minimally invasive procedure that provides natural looking results with no scalpel incision, no sutures, no staples and no unsightly linear scar allowing for a quick recovery time.

NewBeauty Magazine..... **320**
 3651 NW 8th Avenue, Suite 200 • Boca Raton, FL 33431
 NewBeauty magazine has revolutionized the way people learn about beauty and cosmetic enhancement. Celebrating their 10th year as the beauty authority, the award-winning magazine has educated millions of women about cosmetic enhancement. It is the first magazine devoted exclusively to providing a comprehensive guide to the latest advances in plastic surgery and dermatology, and reveal the best non-surgical beauty secrets, must-have products and expert advice. "Women are looking for trusted information, true inspiration and actionable advice—and NewBeauty delivers it." –Yolanda Yoh Bucher, Editor in Chief. To ensure NewBeauty magazine is a trusted and valuable resource, the NewBeauty editorial advisory board was created to enforce ethical standards and scientific integrity. Their editorial team works closely with members of the board to ensure standards of quality, and experts in their unique fields to deliver information that is smart and easy to understand. Leveraging the authority of NewBeauty, NewBeautyPRO launched in 2014 as a full-service marketing platform to help board-certified doctors build, grow and maintain successful cosmetic practices. For additional information on NewBeauty go to www.newbeauty.com.

Exhibits

Novoxel, Ltd. 809

43 Hamelacha Street • Netanya, Israel
 Novoxel, Ltd. introduces Tixel™ a novel fractional ablative product employing Thermo-Mechanical Ablation (TMA) technology. Tixel™ covers the treatment range of both fractional CO2 and erbium aesthetic lasers in a single device. It is a portable light-weight desktop device, with low operation and ownership costs. Treatment pain is low without analgesic creams.

NuFACE 231

1325 Sycamore Avenue, Suite A • Vista, CA 92081
 NuFACE offers a variety of proven, FDA-cleared, non-invasive skin care technologies to compliment in-office procedures, at-home skin care regimens and provide a new revenue channel for your practice. As the leader of innovative, anti-aging devices that deliver visible results for beautiful skin, NuFACE offers an effective solution to increase patient satisfaction. Our best-selling device, the NuFACE Trinity PRO is the first and only FDA-cleared, handheld multi-solution device that features interchangeable treatment attachments, including microcurrent and red LED technologies. In clinical studies, the NuFACE Trinity showed a significant improvement in facial contour, skin tone and wrinkle reduction when used for just five minutes a day for 60 consecutive days. NuFACE devices have won numerous industry awards, have been featured in top beauty and aesthetic publications and are a favorite among notable beauty professionals. NuFACE has quickly become the sought-after device of natural beauty seekers globally. For more information, visit www.mynuface.com.

SILENT AUCTION DONOR

Oculo-Plastik, Inc. 709

200 Suave West • Montreal, Quebec H3L 1Y9 • Canada
 LaserSecure instruments and ocular shields (Cox II & II H with offset handle and Durette II - III & IV external goggles). The Durette III and IV feature movable plastic or metal attachments. OPSoft mouthguard for hair removal with laser, IPL and RF systems. Laser eyewear for the OR. Disposable stick-on eye patches for laser, IPL and LED. Not for laser: up to 50 cycles in autoclavable, yellow transparent or black plastic ocular shields, Jaeger and Desmarres. Also Durette plastic goggles (black or white) for PDT and LEDs.

Oxygenetix Institute, Inc. 300

9663 Santa Monica Boulevard, Suite 223 • Beverly Hills, CA 90210
 Oxygenetix Institute, Inc. Breathable Foundation - is a breakthrough foundation to cover, help heal and minimize - even eliminate - procedural scars. Designed for doctors, Breathable foundation covers and treats a wide variety of skin problems: skin injuries, wounds, rashes, cracked, dry skin, acne scars, rosacea and other skin conditions. On post-surgical scars, patients are re-assured and impressed that after care includes safely camouflaging any evidence of surgery. "Ceravitae", the super charged oxygen complex in Breathable foundation, proliferates collagen cell and connective tissue growth in aging or wounded skin. Because of the unique properties of Oxygenetix, it is also great skin care that can be used as a daily skin friendly foundation. Non-Comedogenic (it won't clog pores), oil-free, fragrance-free, organically certified ingredients contains SPF 25 (for UVA/UVB sun protection).

PhotoMedex 915

100 Lakeside Drive, Suite 100 • Horsham, PA 19044
 PhotoMedex, a leader in the dermatology market, is committed to the science of skin health in disease management and skin rejuvenation. The company offers several different innovative product lines to dermatology field. The XTRAC® excimer laser for of psoriasis and vitiligo, provides treatment for those suffering with mild, moderate or severe psoriasis or Neova® skincare with patented copper peptide technology and DNA repair enzymes for skin and hair, and Omnilux™ LED products. In addition, Radiancy, a PhotoMedex company, offers patented LHE® systems and no!no! at home hair and skin devices.

Exhibits

Plastic Surgery Practice Tabletop 3

4304 W. 119th Street • Leawood, KS 66209

Visit the *Plastic Surgery Practice* booth. With an audience of 36,000 aesthetic surgery professionals, through our print and online communities, we deliver the latest information on clinical innovations, practice-management trends, emerging products and technologies, and the news that drives the field. With compelling articles written by top doctors, *Plastic Surgery Practice* gets to the core of the most complex issues in plastic surgery, and keeps our subscribers current in all aspects of the industry.

Practical Dermatology/Modern Aesthetics 509

1008 Upper Gulph Road • Wayne, PA 19087

Practical Dermatology/Modern Aesthetics delivers real-world medical, cosmetic, and practice management advice for dermatologists and dermatology physician assistants. Readers recognize that *Practical Dermatology's* unique editorial style cuts to the heart of the issues with expert opinions, timely coverage, clinical summaries, and high-quality supportive graphics. Whether readers are looking for insights on the latest aesthetic interventions, tips to manage difficult medical conditions, or advice to grow their practice, they'll find reliable answers in *Practical Dermatology/Modern Aesthetics*.

PRIME Journal 800

52 Vanderbilt Avenue, 11th Floor • New York, NY 10017

PRIME Journal is written for the aesthetic and anti-aging medical market offering the latest peer reviewed articles, essential news, industry analysis, expert opinions, KOL interviews and practice management insight in a high-quality design format. At the same time, we offer marketers the opportunity to deliver their essential messages to *PRIME's* audience of aesthetically focused medical practitioners in a unique, aesthetically pleasing format with which the physicians engage.

Quanta Aesthetic Lasers USA, LLC Island 821

384 Inverness Parkway, Suite 125 • Englewood, CO 80112

Quanta Aesthetic Lasers USA, LLC, the premier emerging energy-based aesthetic device company, brings the best European engineering and craftsmanship to our clinic in North America. With a full portfolio of cosmetic lasers, RF, ultrasound, and IPL technologies, Quanta should be the first call of discerning practices looking to upgrade their aesthetic equipment. A company built on integrity and transparency, Quanta was birthed from a desire to transform aesthetics. Quanta Aesthetic Lasers is the exclusive North American distributor and service provider of Quanta systems, S.p.A., Italian engineers and manufacturers of superior lasers and light-based systems.

QuantifiCare 305

1670 S. Amphlett Boulevard, Suite 250 • San Mateo, CA 94402

QuantifiCare is a 3D imaging company that enhances the doctor/patient experience. The global company pushes the limits on skin analysis to allow the 3D LifeViz II camera to become an "all-in-one" solution for aesthetic doctors, dermatologists and plastic surgeons. Thanks to QuantifiCare's Software Suite, practitioners are able to display superior quality, to view 3D patient pictures from a multitude of angles, to highlight treatment options with personalized 3D simulations and to compare with previous visits. The 3D LifeViz II is bound to become an intrinsic part of facial specialist practices, offering a solution, which is easy to use, portable and at a competitive price.

Ra Medical Systems, Inc. 707

1930 Kellogg Avenue • Carlsbad, CA 92008-6581

Ra Medical Systems, Inc. markets the PHAROS EX-308, an advanced 308nm super narrowband UVB excimer laser for psoriasis, vitiligo, atopic dermatitis, and leukoderma. It is ideal for localized, recalcitrant, and difficult-to-treat psoriasis including scalp, palms and soles, and intertriginous lesions and for localized vitiligo, including facial and peri-orbital areas.

Exhibits

Restoration Robotics, Inc. 925
 128 Baytech Drive • San Jose, CA 95134
 The FDA-cleared ARTAS® robotic system is the only physician-assisted robotic technology utilizing advanced imaging and precision robotics for hair transplantation.

SILENT AUCTION DONOR

Sciton, Inc. Island 401
 925 Commercial Street
 Palo Alto, CA 94303
 Sciton, Inc. is a leading manufacturer and provider of superior laser and light-based aesthetic solutions. Sciton systems are designed to grow with your practice. When the needs of your practice expand, you can upgrade your existing system with new and innovative modules allowing you to offer more treatment options. Stop by the Sciton booth to learn more about the latest laser technology with minimal downtime and maximum results using the world's first and only hybrid fractional laser.

SmartGraft by Vision Medical..... 200
 871 Baltimore Pike, Suite 46A • Glen Mills, PA 19342
 The SmartGraft™ automated follicular unit extractor with “SmartHarvest™” technology is the latest innovation in minimally invasive hair restoration for both men and women. This advance technology allows surgeons to focus on their own vision, artistry and strategies. The results are no linear scar, reduced treatment times, increased safety, efficacy and more natural looking results.

Solutionreach..... 407
 2912 Executive Parkway, Suite 300 • Lehi, UT 84043-4611
 Solutionreach is a patient engagement software service designed to maintain and retain existing patients while identifying and acquiring new patients. Utilizing the latest automated text/email messaging technologies and social media tools, Solutionreach helps you to increase productivity and grow your practice, while you focus on your patients.

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • GOLD SPONSOR

Syneron-Candela Island 601
 3 Goodyear, Unit A • Irvine, CA 92618
 Syneron Medical, Ltd., a company devoted to real technology, real science and real results is the leading global aesthetic device company with a comprehensive product portfolio combined with world-class service and support. The company's technology enables physicians to provide advanced solutions for a broad range of medical aesthetic applications including body contouring, hair removal, wrinkle reduction, rejuvenation of the skin's appearance through the treatment of superficial benign vascular and pigmented lesions, and the treatment of acne, leg veins and cellulite. The company sells its products under two distinct brands, Syneron and Candela.

SILENT AUCTION DONOR

Syris Scientific..... 600
 22 Shaker Road • P.O. Box 127 • Gray, ME 04039
 Syris Scientific shines a NEW LIGHT...v900L! Syris is proud to announce a new device with the same quality polarized hands-free vision enhancement technology; now utilizing LED's accompanied with long lasting batteries with features of: mobility, light weight, quiet, adjustable, changeable magnification...exactly what you have been asking for. Excellent sub-surface vascular viewing of spider veins and telangiectasia during sclerotherapy, vascular laser, thermo-coagulation and general exam treatments. The v300 halogen option is still available and priced right for those who still want the conventional device. Syris stays committed to provide products and services that meet or exceed our customer's expectations. Various testimonials from seasoned users verify that this technology not only allows the medical professional to see below the skin's surface it also helps to reduce glare, minimize stress and eye fatigue; touting other benefits of increased accuracy and reducing procedure time. For more information visit our website: www.syrisscientific.com.

Exhibits

The Laser Agent, Inc.431
 10087 Allisonville Road, Suite B • Fishers, IN 46038

We buy, sell, and trade all aesthetic, surgical, ophthalmic and veterinary laser and accessories. The Laser Agent, Inc., is committed to helping you find the best value in lasers and aesthetic technology. We offer the best prices for quality pre-owned lasers and also buy your used lasers and equipment for cash. We have over 16 years of experience selling and buying lasers and accessories for aesthetics, surgical, ophthalmology, and veterinary. We are not brokers, we sell systems from stock. Contact us anytime you have lasers or aesthetic equipment to buy, sell or trade.

SILENT AUCTION DONOR

ThermiAesthetics 306
 401 N. Carroll Avenue • Southlake, TX 76092

ThermiAesthetics is a leading manufacturer of temperature controlled radio frequency technology. The company's flagship product is ThermiRF, a platform technology which uses temperature as an endpoint for various minimally and non-invasive aesthetic applications.

ThermoTek, Inc. 827
 1200 Lakeside Parkway, Suite 200 • Flower Mound, TX 75028

ThermoTek, Inc. is a leading manufacturer of thermoelectric dermal contact and air cooling systems as well as thermoelectric chillers for the aesthetic and laser industries. Our ArTek spot contact cooling system, ArTek air forced air chiller and VascuTherm cold/compression cooling systems are highly effective dermal contact and air dermal cooling devices for laser/light based treatments and injectables. We also manufacture standard and custom thermoelectric chillers for OEMs in the medical and laser industries.

TJS, Inc. 606
 3010 Route 10 • Denville, NJ 07834

TJS, Inc. is a technical laser company supporting the medical and aesthetic lasers worldwide offering laser repairs, service, and components including flashlamps, laser pump chamber components, cavities, filters, flow tubes, fibers, and IPL hand piece repairs.

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • SILVER SPONSOR

Ulthera, Inc. Island 801
 1840 South Stapley Drive, Suite 200 • Mesa, AZ 85204-6681

Ulthera, Inc. is a global medical device company focused on developing and commercializing technologies for aesthetic and medical applications. The company's signature technology is the Ulthera® system, which is FDA-cleared for use as an aesthetic ultrasound treatment, the Ultherapy® procedure, to non-invasively lift skin on the neck, under the chin and on the eyebrow as well as improve lines and wrinkles of the décolleté. Founded in 2004 and based in Mesa, Arizona, Ulthera is a privately held company. For more information visit www.ulthera.com.

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • SILVER SPONSOR

Valeant Pharmaceuticals North America, LLC Island 631
 400 Somerset Corporate Boulevard • Bridgewater, NJ 08807

Valeant Pharmaceuticals North America, LLC is a specialty pharmaceutical company that is committed to understanding and meeting the needs of our customers and in delivering consistently high performance. Valeant develops and markets a broad range of pharmaceutical products within many areas of focus, including prescription dermatology, aesthetics, eye health, oral health and other therapeutic areas. More information about Valeant can be found at www.valeant.com.

Exhibits

SILENT AUCTION DONOR

Venus Concept, Ltd. **531**

255 Consumers Road, Suite 100 • Toronto, ON M2J 1R4 • Canada
 Present in over 47 countries, Venus Concept, Ltd. is revolutionizing the medical aesthetic industry with the world's most sought-after treatments. We supply aesthetic practitioners with high performance devices that tighten skin, reduce fine lines, wrinkles, stretch marks, cellulite as well as tackle stubborn fat areas. We believe in deep collaboration with our customers and partners, allowing us to innovate in a way that others simply cannot. In only four years, Venus Concept, its employees and its partners, have touched and improved the quality of life of hundreds of thousands of patients and business owners worldwide, and we are just getting started.

Viora, Inc. **901**

392 Summit Avenue • Jersey City, NJ 07306-3108

INDUSTRY ADVISORY COUNCIL MEMBER • SILENT AUCTION DONOR • BRONZE SPONSOR

Zeltiq Aesthetic, Inc. **Island 317**

4698 Willow Road • Pleasanton, CA 94588
 CoolSculpting® by ZELTIQ® is transforming the aesthetic industry with the world's only proven, non-invasive procedure using Cryolipolysis to eliminate fat in specific areas of a patient's body without harming surrounding tissue or organs. Developed by world-renowned scientists, CoolSculpting is FDA-cleared and has clinically proven efficacy with undeniable results.

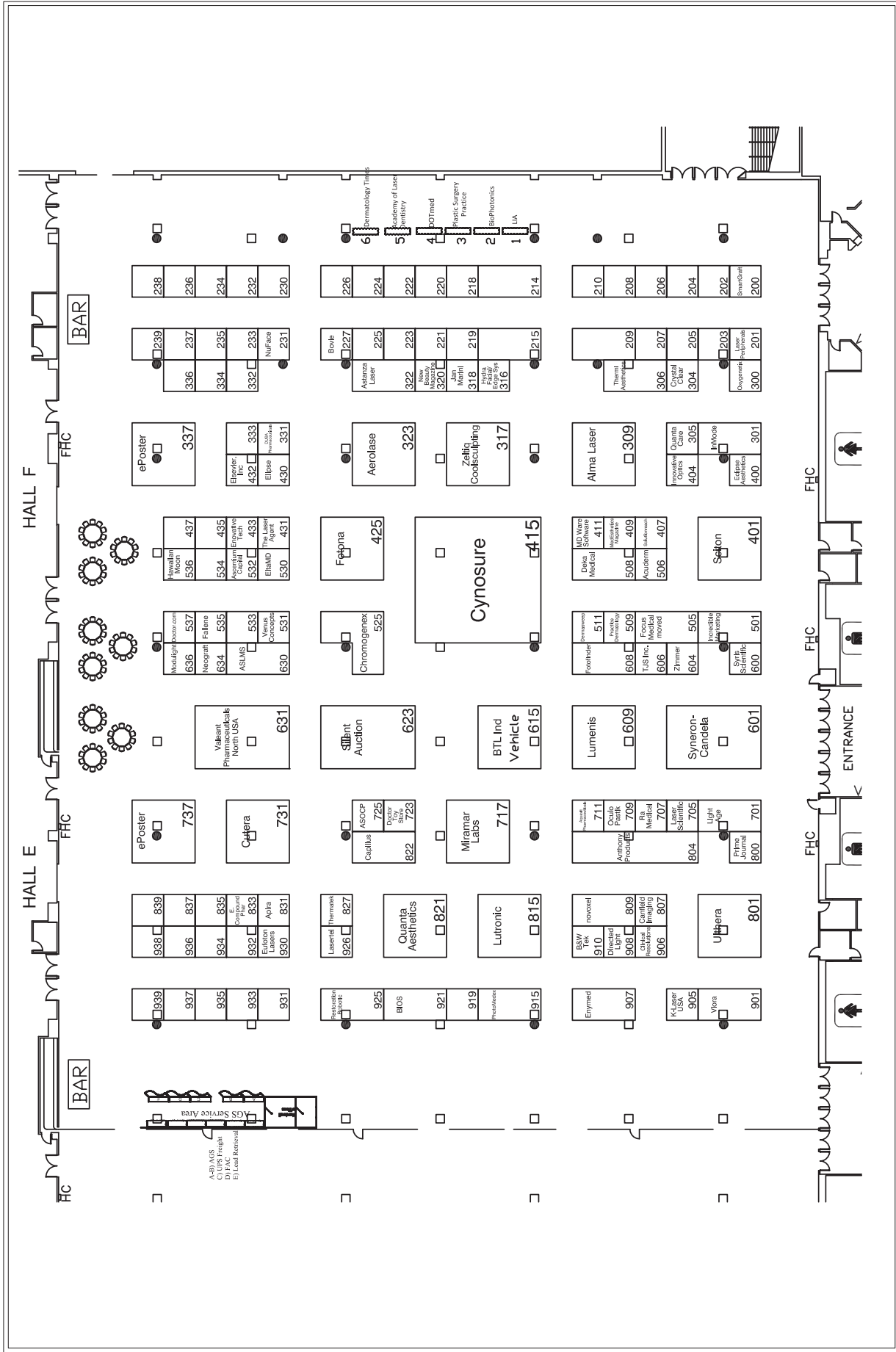
SILENT AUCTION DONOR • COPPER SPONSOR

Zimmer MedizinSystems **604**

*25 Mauchly, Suite 300
 Irvine, CA 92618*

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BOOTH COUNT

Dimension	City
10x10'	98
10x20'	18
10x40'	1
20x20'	4
20x30'	3
40x40'	1
Custom	1
Totals:	136

DRAWN BY:
Cheryl Lynn
3/3/15

SCALE: NTS

SHOW NAME: 2015 ASLMS Annual Conference

SHOW FACILITY: Gaylord Palms Resort - Florida Halls E - F

SHOW DATE: April 22 - 26, 2015

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10th Annual Silent Auction for Research

Monday, March 16, 2015 Online bidding opens
 Thursday, April 23, 2015 Online bidding closes at 11:59 pm (Central)
 Friday, April 24, 2015 Annual Conference bidding opens in the
 Exhibit Hall 9 am Eastern

Annual Conference bidding closes at 6:30 pm, April 25, 2015 and the names of winners will be announced at 6:45 pm. Items that do not receive minimum bids will be available online beginning April 29, 2015.

The 10th Annual ASLMS Silent Auction offers Annual Conference attendees the opportunity to receive great deals on new medical laser equipment and supplies. All net proceeds from the Silent Auction will be designated to fund research projects designed to foster the development and use of lasers and other related technologies in medical and surgical applications. As in any Silent Auction, the success of the event is entirely in your hands. While the Silent Auction Task Force and ASLMS Board of Directors are busy securing valuable items, we need you, the membership and attendees, to review the donated items available and bid to purchase an item. Minimum bids start at 50% of total value. Go to www.aslms.org for more information and updates.

Jason N. Pozner, M.D. Co-Chair, ASLMS Silent Auction Task Force
 Barry E. DiBernardo, M.D. Co-Chair, ASLMS Silent Auction Task Force

Company/Individual	Item Donated	Estimated Value
Aerolase Corporation	With the purchase of a LightPod Era® Erbium Laser, a Free Clinical Preceptorship with James Gordon, M.D., FAAO, FACS	\$3,750
Alma Lasers, Inc.	308 Excimer System	\$24,900
Tina S. Alster, M.D.	One-day, on-site Observational Preceptorship with Dr. Tina Alster	\$2,500
Apira Science, Inc.	iGrow Hair Growth Laser System	\$695
B&W Tek, Inc.	Exemplar® Miniature Spectrometer	\$3,000
BTL Industries, Inc.	BTL Vanquish Flex Applicator	\$25,000
Canfield Imaging Systems	VEOS HD2	\$1,095
Cynosure, Inc.	Emerge™ Fractional Laser	\$20,000
Ellipse USA	Ellipse Nd: YAG Handpiece	\$8,500
EndyMed, Inc.	One Box of 10 Intensif Microneedling Tips	\$1,000
Fallene, Ltd.	12 – TiZO, Age Defying Fusion	\$6,300
12 – TiZO3 Age Defying Fusion	One-day, on-site Observational Preceptorship with Dr. Robert A.	\$2,500
12 – TiZO2 Age Defying Fusion	\$1,440	\$9,500
Michael H. Gold, M.D.	One-day, on-site Observational Preceptorship with Dr. Michael Gold	\$2,500
David Goldberg, M.D., J.D.	One-day, on-site Observational Preceptorship with Dr. David Goldberg.	\$2,500
Innovative Optics Laser Safety	Laser Safety Package: Multi-wavelength Laser Glasses, PTCEIII Patient Goggle, and Disposable Eye Shields	\$670

10th Annual Silent Auction for Research

Company/Individual	Item Donated	Estimated Value
Laser Institute of America	Online Medical Laser Safety Training Course	\$795
Light Age, Inc.	20 Day Rental of a Q-Clear™ Compact Laser System	\$5,000
Lumenis, Inc.	Q-Switched Nd: YAG Handpiece Upgrade Kit	\$30,000
Lutronic, Inc.	Two Boxes of Infini Tips	\$1,400
Miramar Labs	GoPro – HERO4 4K Black Action Camera	\$500
Miramar Labs	His and Hers, Powerbeats2 Wireless Ear Buds and \$100 Apple Gift Card	\$500
Oculo-Plastik, Inc.	One pair of Durette® III External LASER Shields, Patient's Goggles with Mobile Plastic Attachments, and OPSOFT Laser Mouthguard	\$341
Oculo-Plastik, Inc.	One pair of Durette® II External LASER Shields, Patient's Goggles with mobile plastic attachments and OPSOFT Laser Mouthguard	\$341
Oculo-Plastik, Inc.	One pair of Durette® IV External LASER Shields, Patient's Goggles with Mobile Metal Attachments, and OPSOFT Laser Mouthguard	\$341
Quality Medical Publishing, Inc.	QMP's Plastic Surgery Pulse eLearning Membership for Two Years	\$840
Sciton, Inc.	Four Seasons Gift Certificate	\$500
Ava T. Shamban, M.D.	One-day, on-site Observational Preceptorship with Dr. Ava Shamban	\$2,500
Solta Medical, a division of Valeant Pharmaceuticals North America	Customized Practice Marketing Materials by IF Marketing	\$10,000
Syneron-Candela	eMatrix®	\$59,000
Syris Scientific, LLC	Syris v900L Vision Enhancement System	\$2,295
Elizabeth L. Tanzi, M.D.	One-day, on-site Observational Preceptorship with Dr. Elizabeth Tanzi	\$2,500
ThermiAesthetics	Tumi International Expandable Two Wheeled Carry-on	\$595
Ulthera, Inc.	Three Ultherapy DeepSEE® Transducers	\$6,300
Venus Concept, Ltd.	One Venus Skin Kit (plus winner will be signed up on Venus website, includes marketing, backbar and training)	\$2,300
Robert A. Weiss, M.D.	One-day, on-site Observational Preceptorship with Dr. Robert A. Weiss	\$2,500
Zeltiq Aesthetic, Inc.	CoolSculpting CoolSmooth Applicator	\$9,500
Zimmer MedizinSystems	Zimmer Cryo 6 Cold Air Device	\$7,500



Special Evening Events

JOIN US!

Take the evening to relax and enjoy new dialogues and connections within the ASLMS community.

Tech Connect

Our first evening event will take place on Thursday, April 23 from 6:00 – 9:00 pm. The highly popular Tech Connect session is a non-CME “no holds barred” event, where experts reveal their personal procedure and device preferences.

Dr. Doris Day SiriusXM Doctor Radio Show Broadcasting Live

We are excited to announce that the national SiriusXM Satellite Doctor Radio Show, featuring Dr. Doris Day, will be broadcasting live outside the Florida Exhibit Hall D from 6:00 – 8:00 pm on Thursday.

Celebration of ASLMS Women in Energy-Based Devices

Be sure to mark your calendar for the Celebration of ASLMS Women in Energy-Based Devices event to be held Friday, April 24 from 6:00 – 8:00 pm. All ASLMS attendees are welcome and hors d'oeuvres and beverages will be provided.

Exhibitor Reception

The Exhibitor Reception on Saturday, April 25 from 5:30 – 7:00 pm gives attendees one last chance to meet with exhibitors and also bid on Silent Auction items. Hors d'oeuvres and beverages will be provided.

Resident/Fellow Reception

Residents and Fellows can mingle at the Resident/Fellow Reception from 7:30 – 9:00 pm on Saturday evening. Hors d'oeuvres and beverages will be provided.



“ Our goals for this group are to highlight the excellence of women involved in ASLMS and advance networking and training opportunities for women within our organization. Through networking, we can address the gender-bias challenges women may confront in academic and other professional settings. We will look for opportunities to encourage young women to choose STEM careers especially those involving energy-based technologies.

-- Juanita J. Anders, Ph.D.
ASLMS President

“ The celebration of ASLMS Women in Energy-Based Devices is a first step in ensuring excellence in research and innovation by fully including women and a diversity of people. We are positioning ASLMS as a “go-to” resource for help with recruiting and retaining women in energy-based device specialties.

-- Yasaman Damestani
ASLMS Early Career Scientist Student Board Representative

ASLMS Women In Energy-Based Devices Group

ASLMS recognizes and honors women in energy-based devices with the establishment of the ASLMS Women in Energy-Based Devices Group. Our focus is women from all specialties involved in ASLMS which includes scientists, clinicians and allied health practitioners. The goals of this group are to:

- Honor individuals who have significantly promoted the professional development of women in specialties using energy-based devices.
- Develop mentoring and training opportunities to encourage women to attain their full career potential.
- Develop recruitment and retention strategies that will enhance the representation of women in the ASLMS.
- Identify women with leadership potential to provide opportunities to participate in governance within the ASLMS.
- Encourage young women to choose STEM careers, especially those involving energy-based technologies.

You're Invited

Celebration of ASLMS Women in Energy Based Devices

Friday, April 24, 2015, 6:00 pm - 8:00 pm, Room Naples

The inaugural meeting of ASLMS Women in Energy-Based Devices will be held at the ASLMS 35th Annual Conference. The evening event will include speakers, a panel discussion and networking, and is open to all ASLMS Conference attendees.

Presidential Citations and Awards



David Baxter, TD, DPhil

In grateful appreciation for serving as Program Co-Chair for the LASER 2015 ASLMS Conference. Your international reputation for clinical and basic research and advancement of higher education is reflected in the outstanding program you created.



Paul M. Friedman, M.D.

In grateful appreciation for your dedication to ASLMS and for your passion and creativity in serving as Program Co-Chair for the LASER 2015 ASLMS Conference. Your credentials as an outstanding clinician/scientist are reflected in the excellent program you created.



Ilko K. Ilev, Ph.D.

In recognition of your expertise and accomplishments in the field of laser technologies and medical devices and your efforts to assure safety and efficacy of these devices. Your research on novel minimally invasive biophotonic and nanobiophotonic techniques for studying fundamental mechanisms of light-tissue interactions at cellular and sub-cellular level will continue to transform energy-based devices. I am grateful to have you as a collaborator and friend.



J. Stuart Nelson, M.D., Ph.D.

In recognition of your 10 years of outstanding service as Editor-in-Chief of Lasers in Surgery and Medicine and for caring deeply about the welfare of the ASLMS.



Jackson Streeter, M.D.

In recognition of your entrepreneurship, vision of the possibilities for infrared laser therapy and service to the United States as a Naval Medical Officer, Flight Surgeon and Top Gun Instructor. You were the first entrepreneur to realize the significance of our research on light as a therapy for nervous system injury and disease and your efforts resulted in advancement of Photobiomodulation. I am grateful for your support, humor and friendship.

Presidential Citations and Awards



Elizabeth L. Tanzi, M.D.

In recognition of your service as Secretary of ASLMS from 2012 to 2015 and your continued dedication to the ASLMS.



Sean X. Wang, Ph.D.

In recognition of your entrepreneurship and scientific contributions in the areas of optical instruments, lasers, spectroscopic sensors, and medical devices as well as your philanthropy. Your intelligence is only surpassed by your humility and kindness. I am grateful for your guidance, support, and friendship.



Ronald W. Waynant, Ph.D.

In recognition of your dedication and service to the ASLMS and your accomplishments in optical engineering and laser applications for medical devices. Through your inventions, research publications and books, international collaborations, your role as Editor-in-Chief of IEEE Circuits and Devices magazine and educator and mentor, you have had a profound influence of the development of energy-based medical devices. I am grateful for your appreciation of the potential of Photobiomodulation and the value and joy you felt with engineers, physicists, and biologists working together.

Presidential Citations and Awards

DR. RICHARD E. FITZPATRICK CLINICAL RESEARCH AND INNOVATIONS AWARD

Recipient: **Elizabeth R.C. Geddes**
Co-Authors: *Ashlyn B. Stout, Paul M. Friedman*
Location: Dermatology and Laser Surgery Center, Houston, TX
Abstract Title: 595nm PULSED-DYE LASER IN COMBINATION WITH 1927nm FRACTIONAL LOW-POWERED DIODE LASER FOR PATIENTS EXHIBITING INCREASED VASCULARITY WITHIN LESIONS OF MELASMA
Presentation Date: April 26, 2015 – Exhibit Hall D – 9:17 am

BEST OVERALL BASIC SCIENCE AND TRANSLATIONAL RESEARCH AWARD

Recipient: **Yasaman Damestani**
Co-Authors: *Natalie De Howitt, Guillermo Aguilar*
Location: University of California, Riverside, CA
Abstract Title: EVALUATION OF BACTERICIDAL EFFECT OF LASERS BY IMAGING OF BIOLUMINESCENT E. COLI UNDER TRANSPARENT NANOCRYSTALLINE YTTRIA-STABILIZED-ZIRCONIA CRANIAL IMPLANT
Presentation Date: April 25, 2015 – Osceola C – 4:00 pm

BEST CLINICAL NURSING/ALLIED HEALTH AWARD

Recipient: **Steve Tumilty**
Co-Authors: *G. David Baxter*
Location: Otago University, Dunedin, Otago, New Zealand
Abstract Title: EFFECTIVENESS OF CLASS 4 LASERS FOR ACHILLES TENDINOPATHY
Presentation Date: April 23, 2015 – Orange Blossom Ballroom – 3:30 pm

BEST RESIDENT/FELLOW AWARD - CUTANEOUS LASER SURGERY SESSION

Recipient: **Melissa Kanchanapoomi, M.D.**
Co-Authors: *Elise Ng, Yoon-Soo Bae, Adele Haimovic, Bradley Bloom, Jeremy Brauer, Robert Anolik, Elliot Weiss, Leonard Bernstein, Roy Geronemus*
Location: Laser & Skin Surgery Center of New York, New York, NY
Abstract Title: TREATMENT OF PIGMENTARY DISORDERS IN PATIENTS WITH SKIN OF COLOR WITH A PICOSECOND ALEXANDRITE, Q-SWITCHED RUBY, AND Q-SWITCHED Nd:YAG LASERS: A RETROSPECTIVE PHOTOGRAPHIC REVIEW
Presentation Date: April 26, 2015 – Exhibit Hall D – 9:24 am

Presidential Citations and Awards

BEST EARLY CAREER SCIENTIST AWARD - BASIC SCIENCE AND TRANSLATIONAL RESEARCH SESSION

Recipient: **Yasaman Damestani**
Co-Authors: *Natalie De Howitt, Guillermo Aguilar*
Location: University of California, Riverside, CA
Abstract Title: EVALUATION OF BACTERICIDAL EFFECT OF LASERS BY IMAGING OF BIOLUMINESCENT E. COLI UNDER TRANSPARENT NANOCRYSTALLINE YTTRIA-STABILIZED-ZIRCONIA CRANIAL IMPLANT
Presentation Date: April 25, 2015 – Osceola C – 4:00 pm

BEST RESIDENT/FELLOW AWARD - PHOTOBIMODULATION SESSION

Recipient: **Vanessa Holanda, M.D., M.S.**
Co-Authors: *José Oswaldo de Oliveira Junior, Alecsander Rodrigues Ojea, Carlos Vanderlei Medeiros de Holanda, M. Cristina Chavantes*
Location: Nove de Julho University; São Paulo University; Beneficência Portuguesa de São Paulo Hospital, São Paulo, Brazil
Abstract Title: LOW LEVEL LASER THERAPY IN THE DORSAL ROOT GANGLION FOR TREATMENT OF CHRONIC LOW BACK PAIN: A PILOT STUDY
Presentation Date: April 25, 2015 – Osceola A – 2:00 pm

BEST EARLY CAREER SCIENTIST AWARD - PAPDT/ASLMS PDT SESSION

Recipient: **Josue Ordaz**
Co-Authors: *Sakkarapalayam Mahalingam, Philip Low*
Location: Indiana University, Purdue University, West Lafayette, IN
Abstract Title: FROM ZERO TO DEATH: MECHANISTIC STUDY IN PHOTODYNAMIC THERAPY USING VERTEPORFIN IN HUMAN KB CARCINOMA CELLS
Presentation Date: April 24, 2015 – Osceola D – 5:00 pm

OUTSTANDING RESIDENT/FELLOW AWARD - RESIDENT/FELLOW SESSION

Recipient: **Michael J. Amirian, M.D.**
Co-Author: *Jeffrey Walker, Akhil Das*
Location: Thomas Jefferson University, Philadelphia, PA
Abstract Title: OUTCOMES OF DIODE LASER ENUCLEATION OF THE PROSTATE FOR BENIGN PROSTATIC HYPERTROPHY
Presentation Date: April 26, 2015 – Osceola B – 9:05 am

Presidential Citations and Awards

OUTSTANDING RESIDENT/FELLOW AWARD - RESIDENT/FELLOW SESSION

Recipient: **Brian Hibler**
Co-Author: *Heidy Sierra, Miguel Cordova, Milind Rajadhyaksha, Kishwer Nehal, Anthony Rossi*
Location: Memorial Sloan Kettering Cancer Center, New York, NY
Abstract Title: CO₂ LASER ABLATION OF SUPERFICIAL AND EARLY NODULAR BASAL CELL CARCINOMA GUIDED BY REFLECTANCE CONFOCAL MICROSCOPY WITH RESPONSE CONTROL BY MOHS MICROGRAPHIC SURGERY
Presentation Date: April 26, 2015 – Osceola B – 9:41 am

OUTSTANDING RESIDENT/FELLOW AWARD - RESIDENT/FELLOW SESSION

Recipient: **Yakir Levin, M.D., Ph.D.**
Co-Authors: *Garuna Kositratna, Michael Evers, Dieter Manstein*
Location: Boston University, Massachusetts General Hospital, Boston, MA
Abstract Title: OPTIMIZATION OF LASER EXPOSURE PARAMETERS IN FRACTIONAL PHOTOTHERMOLYSIS TO AVOID BULK HEATING
Presentation Date: April 26, 2015 – Osceola B – 10:59 am

BEST RESIDENT/FELLOW AWARD - LASER DENTAL APPLICATIONS SESSION

Recipient: **Kirti Chwala, M.D.S**
Co-Author: *Arundeeep Lamba, Mahesh Verma*
Location: Maulana Azad Institute of Dental Sciences New Delhi, India
Abstract Title: COMPARISON OF ANTIMICROBIAL PHOTODYNAMIC THERAPY AND Er,Cr:YSGG LASER ASSISTED PERIODONTAL POCKET THERAPY IN THE TREATMENT OF AGGRESSIVE PERIODONTITIS: A PILOT STUDY
Presentation Date: April 24, 2015 – Osceola B – 4:30 pm

BEST EARLY CAREER SCIENTIST AWARD - BIOLOGICAL IMAGING SESSION

Recipient: **Bo Fan, B.S.**
Co-Authors: *Victor Neel, Anna Yaroslavsky*
Location: Advanced Biophotonics Laboratory, University of Massachusetts, Lowell, MA; Massachusetts General Hospital Boston, MA
Abstract Title: COMBINING TERAHERTZ PULSED IMAGING IN FREQUENCY DOMAIN AND POLARIZATION OPTICAL IMAGING FOR DELINEATING NONMELANOMA SKIN CANCERS
Presentation Date: April 26, 2015 – Osceola A – 9:30 am

Dr. Horace Furumoto Innovations Professional Development Award

Friday, April 24, 2015
11:12 am - 11:16 am
Florida Exhibit Hall D

ASLMS is very pleased to administer the Dr. Horace Furumoto Innovations Professional Development Award which memorializes and honors Dr. Furumoto's genius and leadership in the development of laser technology.

Through his excellent leadership and creativity, Dr. Furumoto endeavored to develop laser technology for use in health care. This award is designed to inspire others to enter the field, and continue the development of laser technologies which promote excellence in patient care by advancing biomedical applications of lasers.

Throughout Dr. Furumoto's outstanding career, he was highly regarded for his dedication to and innovation in the development of laser technologies. The criteria used to select the annual Innovations Professional Development Award in Dr. Furumoto's honor are based upon those personal characteristics which he exhibited.

The annual Dr. Horace Furumoto Innovations Professional Development Award recognizes individuals who demonstrate a potential for contributing to and the dedication and creativity required to expand the development of lasers in the health care enterprise.



Jared Jagdeo, M.D., M.S.

*UC Davis Medical Center Department of Dermatology
Sacramento VA Medical Center Dermatology Service
Sacramento, California*

Dr. Jagdeo's award lecture entitled "Guiding Light - The Start of a Journey" will be presented on Friday, April 24, 2015 at 11:12 am during the Plenary Session in Florida Exhibit Hall D.

ASLMS would like to acknowledge and thank Syneron-Candela, Cynosure and DEKA who have provided financial support for this award.

**THE DEADLINE FOR 2016 AWARD NOMINATIONS IS AUGUST 31, 2015.
VISIT ASLMS.ORG FOR MORE DETAILS.**

Caroline and William Mark Memorial Award

Friday, April 24, 2015
3:30 pm - 3:59 pm
Osceola C

William B. Mark was a design engineer who became involved with the utilization of lasers in medicine during the mid 1970's. After attending the Second International Medical Laser Congress in Detroit, Michigan, he began working to establish an organization covering all medical specialties, an organization to allow and encourage physicians and scientists to exchange knowledge, explore uses of present equipment, and generate new medical lasers and accessories. The Caroline and William Mark Memorial Award is presented to a member selected for outstanding contributions to laser technology.



E. Duco Jansen, Ph.D
Vanderbilt University, Nashville, TN

Dr. Jansen's award lecture entitled "Lessons from 25 Years of Laser-Tissue Interaction Studies; A Tale of Photons, Bubbles and Neurons" will be presented on Friday, April 24, 2015 at 3:30 pm during the Basic Science and Translational Research Session in Osceola C.

Distinguished Recipients (to date)

1982	Leon Goldman	(deceased)	1999	Richard O. Gregory	Celebration, FL
1983	Thomas J. Dougherty	Buffalo, NY	2000	Isaac Kaplan	(deceased)
1984	Geza J. Jako	Melrose, MA	2001	Raymond J. Lanzafame	Rochester, NY
1985	Joseph H. Bellina	(deceased)	2002	Ashley J. Welch	Austin, TX
1986	Francis A. L'Esperance	New York, NY	2003	Martin J.C. van Gemert	The Netherlands
1987	Leonard J. Cerullo	Chicago, IL	2004	Brian C. Wilson	Toronto, Canada
1988	John A. Dixon	(deceased)	2005	Lars O. Svaasand	Trondheim, Norway
1989	Myron L. Wolbarsht	Durham, NC	2006	Joseph T. Walsh, Jr.	Evanston, IL
1990	Michael W. Berns	Irvine, CA	2007	Serge R. Mordon	Lille, France
1991	John A. Parrish	Boston, MA	2008	Richard E. Fitzpatrick	La Jolla, CA
1992	Robert H. Ossoff	Nashville, TN	2009	J. Stuart Nelson	Irvine, CA
1993	James McCaughan, Jr.	Galena, OH	2010	E. Victor Ross	San Diego, CA
1994	Marvin P. Fried	Bronx, NY	2011	Franz Hillenkamp	Muenster, Germany
1995	Ronald G. Wheeland	Columbia, MO	2012	James C. Hsia	Wayland, M
1996	Kenneth A. Arndt	Chestnut Hill, MA	2013	William A. Farinelli	Boston, MA
1997	R. Rox Anderson	Boston, MA	2014	Reginald Birngruber	Luebeck, Germany
1998	George S. Abela	East Lansing, MI			

Ellet H. Drake Memorial Award

Friday, April 24, 2015
 1:35 pm - 2:15 pm
 Florida Exhibit Hall D

The Ellet H. Drake Memorial Award was established in 1995 to recognize a practicing physician who has contributed to innovative laser procedures and/or laser products for medicine. The award is given in honor of Ellet Drake, M.D., Co-Founder of the American Society for Laser Medicine and Surgery. The award recipient must be a practicing physician with at least five years of practice, contributed to innovative laser procedures and/or laser products for medicine, contributed to literature, and has demonstrated excellence in teaching on a regional or greater level substantiating his/her laser activity during his/her career.



Brian D. Zelickson, M.D.
Zel Skin & Laser Specialists, Edina, MN

Dr. Zelickson's award lecture entitled "A Dermatologist and Gastroenterologist Walk into a Bar...A Real Life Account of Dr. Ellet Drake's Vision" will be presented on Friday, April 24, 2015 at 1:35 pm during the Cutaneous Laser Surgery Session in Florida Exhibit Hall D.

Distinguished Recipients (to date)

1995	John A. Parrish	Boston, MA	2005	Richard E. Fitzpatrick	La Jolla, CA
1996	R. Rox Anderson	Boston, MA	2006	Kenneth A. Arndt	Chestnut Hill, MA
1997	David B. Apfelberg	Palo Alto, CA	2007	E. Victor Ross	San Diego, CA
1998	Ronald G. Wheeland	Columbia, MO	2008	Jeffrey S. Dover	Chestnut Hill, MA
1999	Raymond Lanzafame	Rochester, NY	2009	Suzanne L. Kilmer	Sacramento, CA
2000	George S. Abela	East Lansing, MI	2010	Henry H.L. Chan	Hong Kong
2001	Roy G. Geronemus	New York, NY	2011	Dieter Manstein	Boston, MA
2002	Jerome M. Garden	Chicago, IL	2012	Brian S. Biesman	Nashville, TN
2003	Robert A. Weiss	Hunt Valley, MD	2013	Emil A. Tanghetti	Sacramento, CA
2004	J. Stuart Nelson	Irvine, CA	2014	Nathan S. Uebelhoer	San Diego, CA

Leon Goldman Memorial Award

Saturday, April 25, 2015
 10:07 am - 10:20 am
 Florida Exhibit Hall D

The Leon Goldman Memorial Award was established in 1998 to recognize the many contributions in the areas of clinical laser research, laser patient care, and medical laser education of Leon Goldman, M.D., the “Father of Laser Medicine.” The award recipient must be a practicing physician who has demonstrated longitudinal excellence throughout their career in performing clinical laser research, providing high quality laser services to patients or educating others in medical laser applications. The individual must also share the characteristics of honesty, high ethical standards and a dedication to patients that were possessed by its namesake.



Matthew M. Avram, M.D., J.D.
MGH Dermatology and Laser Cosmetic Center, Boston, MA

Dr. Avram’s lecture entitled “The Safe and Innovative Use of Lasers and Light Sources” will be presented on Saturday, April 25, 2015 at 10:07 am during the Cutting Edge: Laser and Skin Session in Florida Exhibit Hall D.

Distinguished Recipients (to date)

1999	David J. Goldberg	Hackensack, NJ	2007	J. Stuart Nelson	Irvine, CA
2000	Jeffrey S. Dover	Chestnut Hill, MA	2008	Jerome M. Garden	Chicago, IL
2001	Tina S. Alster	Washington, DC	2009	Christopher B. Zachary	Irvine, CA
2002	R. Rox Anderson	Boston, MA	2010	Brian S. Biesman	Nashville, TN
2003	Kenneth A. Arndt	Chestnut Hill, MA	2011	Stephen G. Bown	United Kingdom
2004	Richard E. Fitzpatrick	La Jolla, CA	2012	Robert A. Weiss	Hunt Valley, MD
2005	Ronald G. Wheeland	Columbia, MO	2013	Raymond Lanzafame	Rochester, NY
2006	Roy G. Geronemus	New York, NY	2014	E. Victor Ross	San Diego, CA

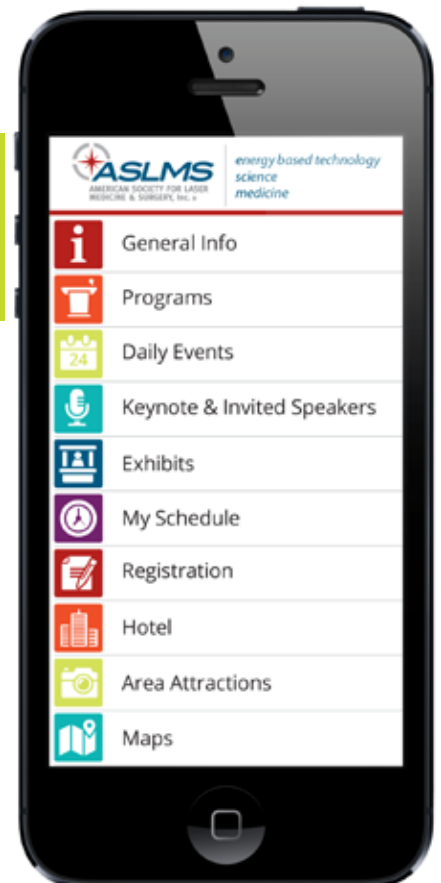
Our Updated App is Now Available!

The ASLMS mobile app has been upgraded with many new features that will make electronically accessing and scheduling your conference content incredibly easy.

Features include:

- **Enhanced calendaring** allows you to add sessions and speakers to your schedule and build a calendar precisely to your needs
- **Improved audience interactivity** in a number of the sessions. Send a question to the podium via the app instead of using the microphone. Several sessions will feature audience response polling through the app as well.
- **Abstracts** will be available in full text for viewing on the app during the conference
- **Notes Manager** allows you to view, edit and email all of your notes
- **Maps, Area Attractions, Hotel, and Restaurant information** helps you keep on top of all the area has to offer
- **Push notifications** during the conference will enable you to stay up to date with conference activities
- **Year round membership features** including access to the LSM journal and much more!

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More info on back...

App Details







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Already have the app? Update it to the 2015 version to access all the great new features. Depending upon your device settings, you may receive notice that the ASLMS app has an update or you can go into the app, look for Check for Updates at the bottom of the screen or choose MORE, then RESET DATABASE*

Experience the App

Home Screen

-  Annual Conference - Access everything you need to know about the conference
-  What's New - Keep up-to-date with the latest Society news
-  About ASLMS - Learn about all that ASLMS has to offer
-  Media Room - Visit for the latest ASLMS news releases
-  Social Networking - Connect to all the ASLMS social media sites
-  Member Services - Access member publications, education and more**

Annual Conference Screen

-  General Info. - Learn all the basics about the conference
-  Program - Access information on the educational programs and build your schedule
-  Daily Events - View dates, times and locations for other conference events
-  Keynote & Invited Speakers - Preview the conference speakers you won't want to miss
-  Exhibits - Learn who is exhibiting, where they are located and when you can visit
-  My Schedule - Access your personal program schedule
-  Registration - View registration hours and visit us if you have a question
-  Hotel - Learn all that the Gaylord Palms Resort has to offer
-  Area Attractions - Explore the Kissimmee/Orlando area
-  Maps - Find your way around with helpful maps
-  Important Dates - Keep tabs on conference deadlines and future events
-  Social Networking - Stay in touch with your colleagues via the ASLMS social media sites

Need Help with the App?

Visit the app help desk located directly across from the registration desk or look for an individual wearing the "Mobile App Coach" badge.

Please Note:

* Resetting the database will clear your calendar and notes data.

** To use many of the member services features, you must have your username and password.

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ASLMS Policy on Mechanism to Identify and Resolve Conflict of Interest

The American Society for Laser Medicine and Surgery is accredited by the Accreditation Council for Continuing Medical Education (ACCME). As such, we have made the choice to meet the ACCME's criteria for our practice of continuing medical education. Our accreditation is important to us. We look forward to working together to provide CME at the highest standard.

The ASLMS has implemented a process where everyone who is in a position to control the content of an educational activity must disclose to us all financial relationships with any commercial interest they and their spouse/partner may have received within the last 12 months. Should it be determined that a conflict of interest exists as a result of a financial relationship, it will need to be resolved prior to their involvement. In order to do this, all individuals who are in a position to control the content must complete a disclosure form. If any conflict develops between the time the disclosure form is completed and the educational activity, the individual must notify the ASLMS in writing and disclose the additional conflict of interest. Individuals, who refuse to disclose all financial relationships, will be disqualified from being a part of the planning and implementation of the CME activity.

PROCESS OF IDENTIFYING AND RESOLVING CONFLICT OF INTEREST

Annual Conference (Program Chair, Section Chairs, Speakers)

1. The President selects the Program Chair.
2. A Disclosure of Conflict of Interest "COI" form is completed by the Program Chair.
3. If the Program Chair refuses to disclose all financial relationships, he/she will be disqualified from participating in the program.
4. The CME Director reviews the Program Chair disclosure form and completes an **Acknowledgment of Disclosure Review** form. If it appears that the Program Chair has a COI as a result of a financial relationship, it will need to be resolved in order for the person to serve as Program Chair. If necessary, determination will be made by the CME Director under the guidance of the Board of Directors whether the proposed Program Chair can participate in the program.
5. The Program Chair selects Section Chairs.
6. A COI form is completed by each of the Section Chairs.
7. If the Section Chair refuses to disclose all financial relationships, he/she will be disqualified from participating in the program.
8. The CME Director reviews the Section Chair COI forms and completes an **Acknowledgment of Disclosure Review** form. If it appears that a Section Chair has a COI as a result of a financial relationship, it will need to be resolved in order for the person to serve as Section Chair. If necessary, determination will be made by the Program Chair and CME Director under the guidance of the Board of Directors whether the proposed Section Chair can participate in the program.
9. The Speakers complete the online disclosure form. The Section Chairs review the abstract and Speaker disclosure and complete an **Acknowledgment of Disclosure Review** form. If it appears that a Speaker has a COI as a result of a financial relationship, it will need to be resolved prior to the activity. If necessary, determination will be made by the Section Chair, Program Chair and CME Director under the guidance of the Board of Directors whether the proposed speaker can participate in the program.
10. If any conflict develops between the time the disclosure form is completed and the educational activity, the individual must notify the ASLMS in writing and disclose the additional conflict of interest.
11. The Section Chair and Speaker disclosure information is printed in the preliminary and final programs and journal.
12. At the Annual Conference:
 - a. Each Section Chair is provided with a checklist of Speakers who are required to disclose COI. The Section Chair is instructed to remind the Speaker to verbally disclose COI prior to their presentation, sign off on the checklist provided, and return the form to the ASLMS.

ASLMS Policy on Mechanism to Identify and Resolve Conflict of Interest

- b. In addition to a COI statement being printed in program materials, a COI slide will be prepared by the ASLMS Central Office based on the information provided on the completed disclosure form. The slide will be inserted before each presentation on the Central Server and will include any proprietary interest in any drugs, instruments, or devices discussed in the presentation and/or any compensation received. Similarly, a slide will be shown to disclose the fact that the presentation content includes off-label uses of drugs or devices.
- c. A copy of the session schedule and disclosure is posted at the entrance of the session room.
- d. If a Speaker discloses a COI in writing, but does not verbally disclose prior to his/her presentation, the Section Chair will remind the Speaker at the end of the presentation to disclose the COI.
- e. If a Speaker does not pre-disclose in writing or verbally, but it becomes apparent that a COI exists, the Section Chair, Program Chair, CME Director and/or Board Member will notify the audience and the speaker of the perceived COI. The speaker will be warned that further failures to comply with policy will result in the speaker's inability to participate in CME related activities of ASLMS in the future. (The Board of Directors may, at its discretion, impose other sanctions it feels are appropriate).
- f. Board members are provided with audit forms and asked to verify if Speakers disclose COI.
- g. Attendees complete evaluation forms and are asked to comment about proper COI disclosure. Evaluation forms are reviewed by the CME Director, Program Chair and Section Chairs after which appropriate corrective action is taken.

Courses (Directors/Faculty)

1. The Program Chair selects Course Directors.
2. A Disclosure of Conflict of Interest "COI" form is completed by all Course Directors.
3. If the Course Director refuses to disclose all financial relationships, he/she will be disqualified from participating in the program.
4. The CME Director review the Course Director disclosure forms. The CME Director completes an **Acknowledgment of Disclosure Review** form. If it appears that a Course Director has a COI as a result of a financial relationship, it will need to be resolved in order for the person to serve as Course Director. If necessary, determination will be made by the Program Chair and CME Director under the guidance of the Board of Directors if the proposed Course Director can participate in the program.
5. The Course Director selects Faculty.
6. The COI forms are completed by all Faculty.
7. If the Faculty Member refuses to disclose all financial relationships, he/she will be disqualified from participating in the program.
8. The Course Director and CME Director review the faculty disclosure forms. Course Director completes an **Acknowledgment of Disclosure Review** form. If it appears that a Faculty Member has a COI as a result of a financial relationship, it will need to be resolved in order for the person to serve as a Faculty Member. If necessary, determination will be made by the Course Director, Program Chair, and CME Director under the guidance of the Board of Directors whether the proposed Faculty Member can participate in the program.
9. If any conflict develops between the time the disclosure form is completed and the educational activity, the individual must notify the ASLMS in writing and disclose the additional conflict of interest.
10. Disclosure information is printed in course books.
11. At the conference:
 - a. The Course Director is provided with a checklist of Faculty Members who are required to disclose COI. The Course Director is instructed to remind the Faculty to verbally disclose COI prior to their presentation, sign off on the checklist provided, and return the form to the ASLMS.
 - b. In addition to a COI statement being printed in program materials, a COI slide will be prepared by the ASLMS Central Office based on the information provided on the completed disclosure form. The slide will be inserted before each presentation on the Central Server and will include any proprietary interest in any drugs, instruments, or devices discussed in the presentation and/or any compensation received. Similarly, a slide will be shown to disclose the fact that the presentation content includes off-label uses of drugs or devices.

ASLMS Policy on Mechanism to Identify and Resolve Conflict of Interest

- c. A copy of the session schedule and disclosure is posted at the entrance of the session room.
- d. If a Faculty Member discloses a COI in writing, but does not verbally disclose prior to his/her presentation, the Course Director will remind Faculty at the end of the presentation to disclose COI.
- e. If a Faculty Member does not pre-disclose in writing or verbally, but it becomes apparent that a COI exists, the Course Director, Program Chair, CME Director and/or Board Member will notify the audience and the speaker of the perceived COI. The speaker will be warned that further failures to comply with policy will result in the speaker's inability to participate in CME related activities of ASLMS in the future. (The Board of Directors may, at its discretion, impose other sanctions it feels are appropriate).
- f. Board members are provided with audit forms and asked to verify if Faculty discloses COI.
- g. Attendees complete evaluation forms and are asked to comment about proper COI disclosure. Evaluation forms are reviewed by the CME Director, Program Chair and Course Directors after which appropriate corrective action is taken.

Board of Directors

In order for the Society to further the purpose for which it is organized and to maintain its reputation for excellence, it is important that Society decisions and actions not be influenced unduly by any special interests or individual members. The Society depends upon its members to shape its policies and the actions of organization policy makers must not be inappropriately affected by outside influences. Members of the ASLMS Board of Directors are required to complete a Disclosure of Interest Statement, annually. Copies of the completed disclosure forms will be included in each Board agenda, posted on the ASLMS website, and available at the ASLMS Central Office upon request.

Approved by the Board of Directors, April 3, 2014

ASLMS Disclosure Of Interest Policy

Director, Officer, Candidate for Office, Committee Member

In order for the Society to further the purposes for which it is organized and to maintain its reputation for excellence, it is important that Society decisions and actions not be influenced unduly by special interests or individual member considerations. It is also crucial to avoid the appearance of such influence and maintain objectivity in all activities of the Society. Accordingly, the Board of Directors of the Society has adopted a formal system for disclosure of interests.

Society Board of Directors members, officers, candidates for officer positions and committee members must complete and submit the attached Disclosure of Interest Statement.

The term "interest" includes personal interests, interests as director, officer, member, stockholder, shareholder, partner, manager, academic mentor, consultant, employee, researcher, grantee, lobbyist, trustee or beneficiary of any concern and having an immediate family member who holds such an interest in any concern.

An "immediate family member" is a spouse, partner, significant other, child or step-child.

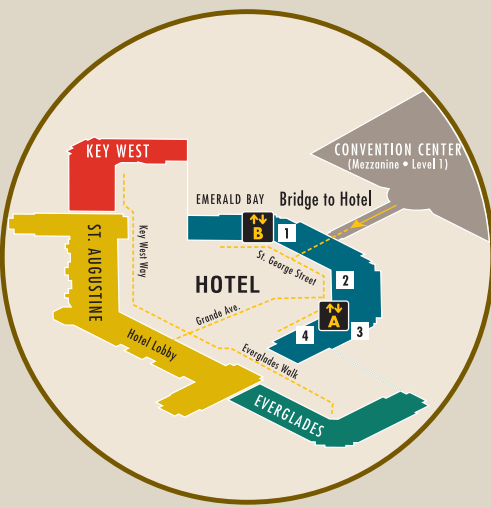
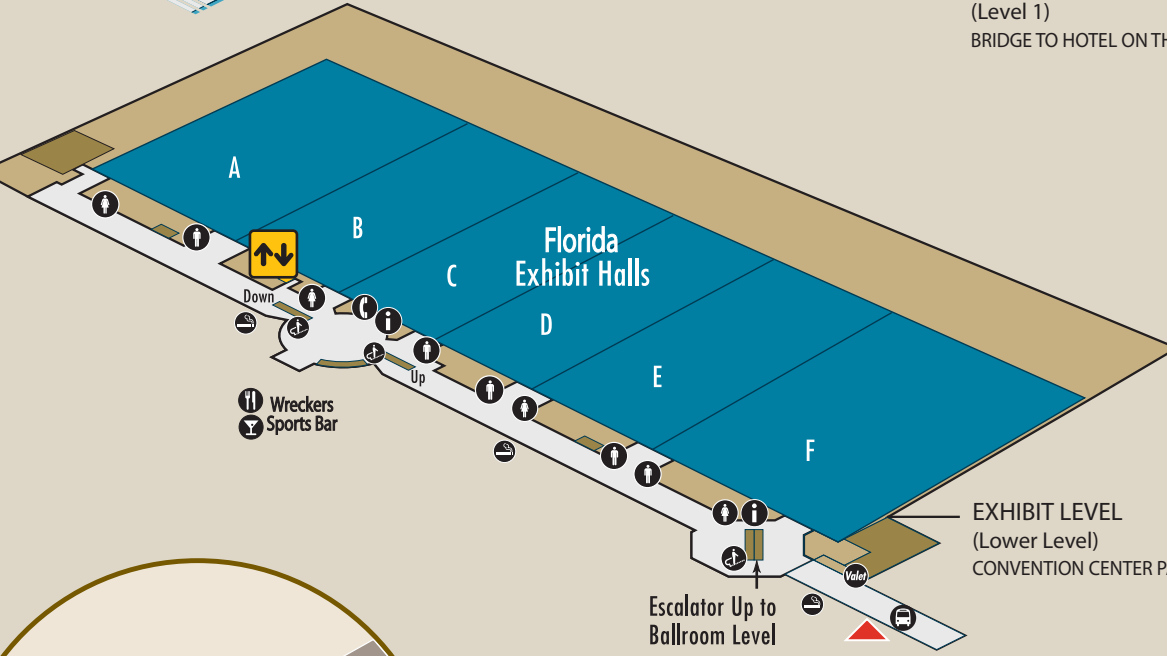
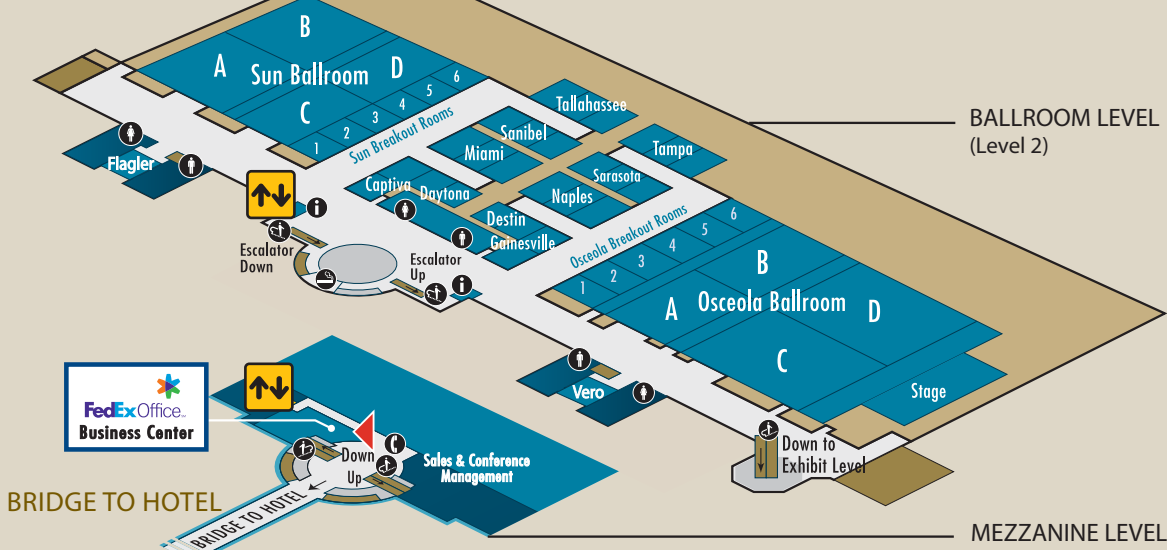
The term "concern" includes any corporation, association, joint venture, trust, partnership, limited liability entity, firm, institution, governmental body, endeavor, other entity other than the Society or person.

In addition to completing the Disclosure of Interest Statement a discloser has an obligation to advise the Society of any interest of the discloser that is or potentially is in conflict with any interest of the Society as the discloser becomes aware of the conflict of interest or potential conflict of interest.



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CONVENTION CENTER



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- 1 HEMINGWAY & SANCHEZ BOARDROOMS** Level 4 (hotel) via Emerald Bay Elevators
- 2 ORANGE BLOSSOM BALLROOM** Atrium Level (hotel) on St. George Street
- 3 EMERALD 1-8 MEETING ROOMS** Lower Level (hotel) via Emerald Bay Elevators
- 4 ST. GEORGE MEETING ROOMS** Atrium Level (hotel) on St. George Street

Elevator	Restrooms	Bus	Smoking Area*
Escalator	Information	Phones	

Late Night Guest Key Card Entrance

*Gaylord Palms is a smoke-free environment. Outdoor smoking areas are available.

Attendee Information

Smoking

It is a policy of the ASLMS that the use of tobacco products is strictly prohibited at the conference and in all areas of the exhibit hall (including setup and dismantle of exhibits). Thank you for not smoking.

Speaker Ready Room: Captiva 1-2

Hours of Operation:

Wednesday, April 22, 2015	7:00 am - 5:30 pm
Thursday, April 23, 2015	7:00 am - 9:00 pm
Friday, April 24, 2015	6:00 am - 8:00 pm
Saturday, April 25, 2015	6:00 am - 5:30 pm
Sunday, April 26, 2015	6:00 am - 12:30 pm

Research Education Fund Ribbons and Pins

You may note on attendee badges ribbons and pins that signify a member who has given a contribution to the Research and Education Fund and Advancement of Laser Medicine Endowment Fund.

Responsible Drinking Policy

With alcohol served during the conference reception, the ASLMS encourages responsible drinking. In addition to alcoholic beverages, non-alcoholic options are provided. Alcohol is not served to anyone under age 21. Attendees may be asked to present their ID.

Copyright

All of the proceedings of the conference, including the presentation of scientific papers, are intended solely for the benefit of the members of the ASLMS. No statement of presentation made is to be regarded as dedicated to the public domain. Any statement or presentation is to be regarded as limited publication only and all property rights in the material presented, including common law copyright, are expressly reserved to the speaker or to the ASLMS. Any sound reproduction, transcript or other use of the material presented at the Annual Conference without the permission of the speaker or the ASLMS is prohibited to the full extent of common law copyright in such material.

Disclaimer

The views expressed and materials presented throughout the Annual Conference whether during scientific sessions, instructional courses or otherwise, represent the personal views of the individual participants and do not represent the opinion of the ASLMS. This organization assumes no responsibility for the content of the presentations made by an individual participant or group of participants.

Disclosure of Faculty and Speaker Commercial Relationship(s)

Consistent with the ASLMS policy, faculty and speakers for the conference are expected to disclose at the beginning of their presentation, any economic or other personal interests that create, or it may be perceived as creating, a conflict related to the material discussed. This policy is intended to make you aware of faculty's and speaker's interests, so you may form your own judgments about such material. Disclosure of faculty's and speaker's relationship(s) is indicated in the conference program. Please be advised that FDA approval is specific in regard to approved uses and labeling of drugs and devices. The presenter must disclose whether or not the device/treatment is approved by the FDA or if it is considered to be investigational, and must fully disclose any off-label use of devices, drugs or other materials that constitute the subject of the presentation. In order to meet the guidelines established by the Accreditation Council for Continuing Medical Education, the ASLMS Committee on Continuing Education has endorsed the policy that disclosure of all proprietary interests or other potential conflicts of interest must be provided to conference registrants of all speakers and spouses who have relationships with industry.

Attendee Information

Childcare Services

Children under the age of 16 are not permitted in the Exhibit Hall or scientific sessions. Contact the Gaylord Palms® for a list of licensed daycare providers 407-586-0000.

Complimentary Continental Breakfast/Breaks

A complimentary continental breakfast and breaks will be provided to course attendees and conference attendees, Wednesday through Sunday.

Disaster Policy

In the event of an emergency situation during the Annual Conference, information will be posted on the Society's website, www.aslms.org or via notification through the ASLMS mobile app.

Hotel Information

Marriott Gaylord Palms® Resort and Convention Center
6000 West Osceola Parkway • Kissimmee, FL 34746
Main Hotel Number: 407-586-0000
Guest Fax Number: 407-586-2188
Check-in: 3:00 pm, Check-out: 11:00 am

Internet

Free wireless internet service will be available throughout the ASLMS conference rooms and exhibit halls. This service is designed for casual users and not guaranteed. If you are relying on the internet to showcase your product or services we strongly recommend a wired internet connection for guaranteed service.

Literature/Photography/Videotaping Policy

NO literature can be distributed during scientific sessions. NO photography or videotaping is permitted in scientific sessions or the exhibit hall.

Official Language

The official language at the 35th ASLMS Annual Conference is English. No simultaneous translation is available.

Photographs

The ASLMS reserves the right to take photos at the Annual Conference and to publish the photos in ASLMS marketing materials. Your attendance and registration authorizes the ASLMS to publish photos in our publications, marketing materials and on our website. If your photo appears on the website or in a publication, and you prefer that we discontinue using the image, please contact our office to identify the photo.

Press

Press materials are available at the registration desk. Please contact Andrea Alstad, Marketing and Communications Manager, at andrea@aslms.org or 715-845-9283 with media inquiries. She will be available throughout the conference to offer additional information or to arrange interviews. Press releases and background information will also be available online at news.cision.com - search ASLMS. Members of the press are invited to all courses and sessions (excludes breakfasts and luncheons); however they must adhere to the guidelines below:

- Members of the press must register and wear badges identifying them as media representatives.
- Media representatives are required to schedule interviews with speakers through the Society's Marketing and Communications Manager, Andrea Alstad at andrea@aslms.org or 715-370-0976.
- Members of the press are not permitted to ask questions at the microphones or via the mobile app during a scientific session.

Annual Conference Program Committee & Section Chairs



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 Uniformed Services University
 of the Health Sciences
 Bethesda, MD



**2015 Program Co-Chair &
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Paul M. Friedman, M.D
 Dermatology & Laser Surgery
 Center
 Houston, TX



**2015 Program Co-Chair,
 Clinical Guidelines and Best
 Practices Section Chair &
 Conference Wrap-up Section
 Co-Chair**

David Baxter, TD DPhil
 School of Physiotherapy,
 University of Otago
 Dunedin, New Zealand

Thank you to the following outstanding group of Section Chairs who voluntarily labored tirelessly this year to select the best abstracts for presentation at the Annual Conference. During this conference, they will continue to work hard to ensure that their sessions run on time and that the speakers provide appropriate disclosures of interest to maintain our current CME accreditation by the Accreditation Council of Continuing Medical Education.



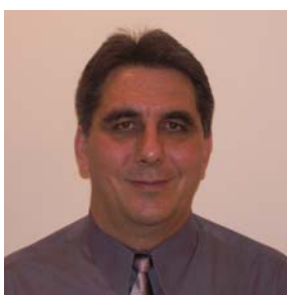
**Basic Science and
 Translational Research
 Section Co-Chair**

Christopher G. Rylander, Ph.D
 University of Texas at Austin
 Austin, TX



**Basic Science and
 Translational Research
 Section Co-Chair**

Tianyi Wang, Ph.D.
 University of Texas at Austin
 Austin, TX



**Guest Speaker & Biological
 Imaging Section Chair**

Ilko K. Ilev, Ph.D.
 HHS/FDA Senior Biomedical
 Research Service (SBRS)
 U.S. Food and Drug
 Administration
 Silver Spring, MD



**Cutaneous Laser Surgery
 Section Co-Chair**

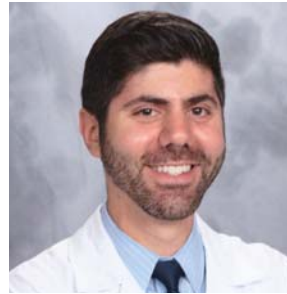
Mathew M. Avram, M.D., J.D.
 MGH Dermatology Laser &
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Annual Conference Program Committee & Section Chairs



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 Section Co-Chair**

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ePosters Section Co-Chair

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 Houston, TX



**Laser Dental Applications
 Section Chair**

*Praveen R. Arany, D.D.S.,
 M.D.S., M.M.Sc., Ph.D*
 National Institute of Health
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**NAALT/Veterinary
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Richard L. Godine, D.V.M.
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 Ruckersville, VA



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 Dermatology Applications
 Section Co-Chair**

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 Armenakas, M.D., Ph.D.*
 Yale University School of
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 New York, NY



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 Dermatology Applications
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Ron R. Allison, M.D.
 Medical Director, 21st Century
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**PAPDT/ASLMS PDT
 Dermatology Applications
 Section Co-Chair**

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 Minneapolis, MN



**PAPDT/ASLMS PDT
 Dermatology Applications
 Section Co-Chair**

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Raymond J. Lanzafame, MD
 PLLC, Rochester, NY



Photobiomodulation Section Co-Chair

Steve Tumilty, Ph.D., MPhty

Otago University
 Dunedin, New Zealand



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St. Louis, MO



Resident/Fellow Abstract Section Co-Chair

Bradley S. Bloom, M.D.

New York University, Laser & Skin Surgery Center of New York, New York, NY



Resident/Fellow Abstract Section Co-Chair

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Houston, TX



Resident/Fellow Abstract Section Co-Chair

Jeremy Green, M.D.

Dr. Brandt Dermatology Associates, University of Miami Department of Dermatology Miami, FL



Resident/Fellow Abstract Section Co-Chair

Anthony M. Rossi, M.D.

Memorial Sloan Kettering Cancer Center, New York, New York



Exhibit Chair

Richard O. Gregory, M.D.

Celebration Health Institute of Aesthetic Surgery Celebration, FL

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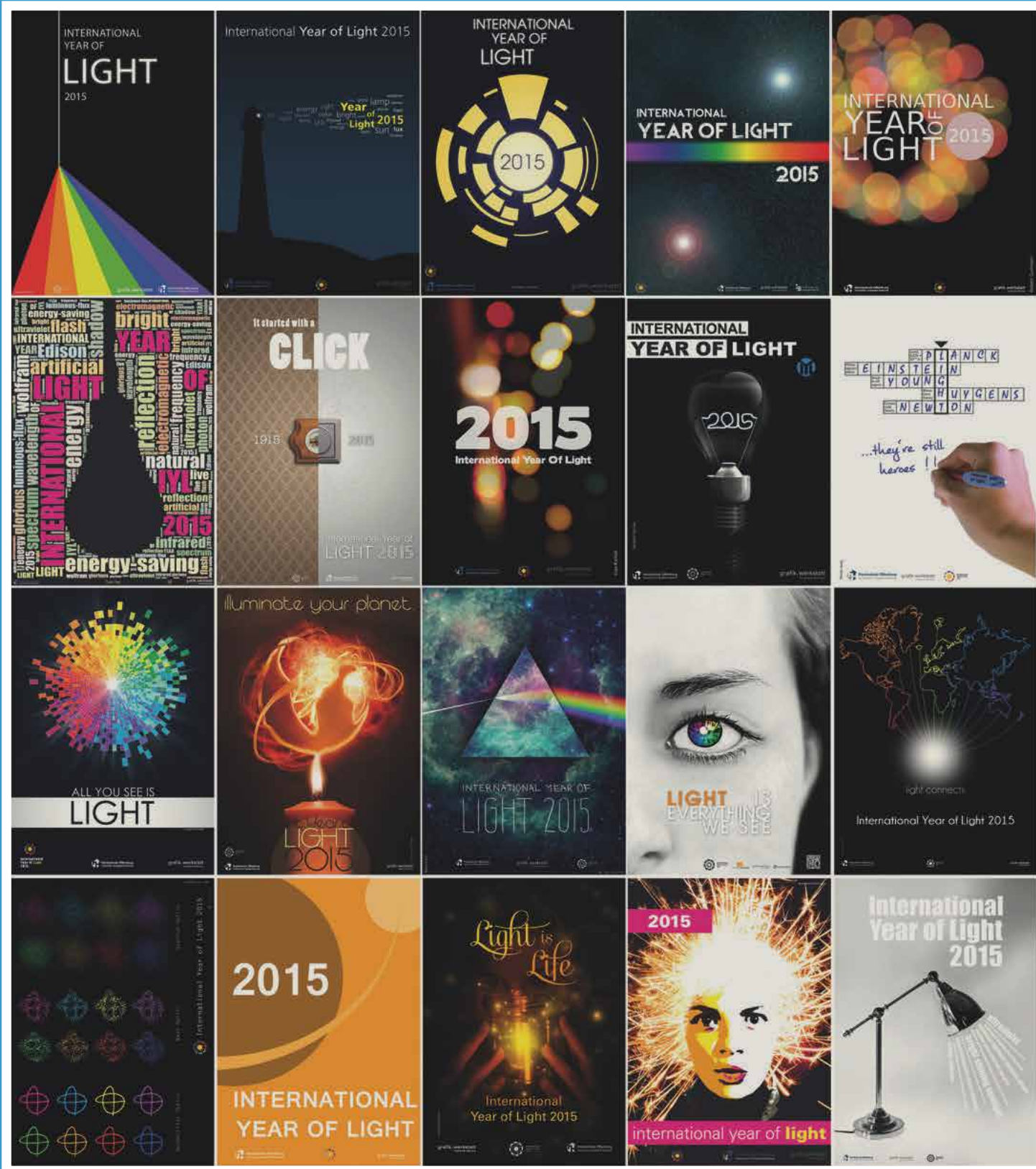
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Education Program Manager

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Email: beth@aslms.org



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**INTERNATIONAL
YEAR OF LIGHT
2015**

The International Year of Light is a global initiative which will highlight to the citizens of the world the importance of light and optical technologies in their lives, for their futures, and for the development of society. It is a unique opportunity to inspire, educate, and connect on a global scale.

ASLMS is proud to be a Bronze Sponsor of IYL2015
For more information visit www.light2015.org

NOTE

In order to obtain CME credits for your attendance, you must complete the above form and return it to the ASLMS registration desk prior to your departure!

Continuing Education Credits

A statement of CME credit hours will be issued to you on-site and/or following the conference which you can forward to your specialty boards, specialty academies or to your State Medical Examining Boards to meet your continuing education requirements.

Annual Conference

ACCME ACCREDITATION STATEMENT

The American Society for Laser Medicine and Surgery, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CONTINUING MEDICAL EDUCATION CREDIT

The American Society for Laser Medicine and Surgery, Inc. designates this live activity for a maximum of 20 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ASLMS Activities

Educational Activity	CME Credit Hours	CE Contact Hours*
Pre-Conference Courses		
Fundamentals of Lasers in Health Care	8.25	9.8
Expert Treatment Approaches	3.75	4.4
Laser Treatment of Patients of Color	3.75	4.4
Complications, Controversies and Legal Issues	3.75	4.4
Nursing/Allied Health	N/A	8.2
Device-Based Resurfacing, Rejuvenation and Recontouring	3.75	4.5
Scars, Burns and Trauma	3.75	4.5
Hair and Pigment and Vascular Lesions	3.75	4.4
“Masters” Luncheons		
What’s New in Lasers/Energy-Based Devices	1	1.2
Non-Invasive Skin Tightening and Fat Removal	1	1.2
Our Favorite Laser Pearls	1	1.2
PDT: State-of-the-Art	1	1.2
Fractional Resurfacing	1	1.2
State-of-the-Art in Tattoo Treatment	1	1.2
Dermatology/Plastic Surgery MOC	1	1.2

Professional Medical Education Association is approved by the California Board of Registered Nursing. Provider #CEP 12386. Note: Most State Boards of Nursing accept another State Board’s approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided. **You will receive a statement of CE contact hours after the Annual Conference.*

Continuing Education Credits

A statement of CME credit hours will be issued to you on-site and/or following the conference which you can forward to your specialty boards, specialty academies or to your State Medical Examining Boards to meet your continuing education requirements.

Educational Activity	CME Credit Hours	CE Contact Hours*
“Masters” Breakfast Sessions		
Maximizing Patient Satisfaction	1.25	1.5
Cellulite	1.25	1.5
Scar Wars	1.25	1.5
Workshops		
Therapeutic Challenges and New Treatments	2	2.4
Pediatric Laser Focus	2	2.4
Aesthetic Practice to Compliance	2	2.4
Basic Mechanisms of Photobiomodulation	2	2.4
Periorbital Therapies and Rejuvenation	2	2.4
Laser-Assisted Drug Delivery	2	2.4
Laser Dental Applications	2	2.4
Skinny on Fat Reduction and Skin Tightening	2	2.4
Beyond Signs and Goggles: Putting Safety Standards to Work	2	2.4
Controversies in Laser Energy Devices	2	2.4
Combining Neuromodulators with Lasers, Lights and Other Energy Devices	2	2.4
Laser Review and Clinical Pearls for Residents and Fellows	0	0

Professional Medical Education Association is approved by the California Board of Registered Nursing. Provider #CEP 12386. Note: Most State Boards of Nursing accept another State Board’s approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided. **You will receive a statement of CE contact hours after the Annual Conference.*

CORPORATE MISSION AND VISION STATEMENT

The ASLMS promotes excellence in patient care by advancing biomedical application of lasers and other energy based technologies worldwide.

The vision of the American Society for Laser Medicine and Surgery is to be the world’s preeminent resource for biomedical laser and other energy based technologies research, education and clinical knowledge.

CME Mission and Vision Statement

The American Society for Laser Medicine and Surgery (ASLMS) is a multidisciplinary organization whose membership includes representatives from all medical and surgical disciplines, nursing, dentistry, podiatric medicine, veterinary medicine, industry, research and government.

Purpose

ASLMS is dedicated to enhancing the understanding of lasers and the application of lasers and related technologies in biomedicine. The ASLMS is committed to continuous quality improvement and excellence in all of its activities.

Target Audience

The ASLMS is the largest organization of its kind and seeks to enhance dialogue between clinicians, scientists, industry and government through its variety of educational formats. The educational offerings are organized so that whether a novice or an expert, the attendees are provided with useful information.

Types of Activities Provided

The ASLMS accomplishes this goal through committee meetings, general sessions, the Annual Conference, educational courses, regional courses and other programs. A variety of educational formats are used including plenary lectures, scientific paper and poster presentations, panel discussions, didactic lectures, and educational courses. The latest information regarding biomedical applications of laser technologies is presented by experts from these fields. The ASLMS also functions as both advocate and advisor to a variety of groups and organizations as well as the Food and Drug Administration. These programs are designed to foster dialogue and discussion between clinicians, scientists, and manufacturers.

Content

Educational programs are designed to enable each participant to select the program and course of learning which best meets individual educational needs while at the same time covering a broad and more balanced range of topics.

Expected Results

Written and verbal evaluations as well as pre-test and post-test results measure the degree to which these educational objectives are met and also provide information used for planning and implementation of future activities. All attendees will have exposure to basic science and clinical laser use in their particular field(s) of interest through their attendance and participation in plenary sessions, focus sessions, specialty breakout sessions, and clinical entity-based courses and panel sessions. The multispecialty nature of ASLMS educational offerings, as well as the spirit of disclosure among scientists and clinicians, provides cross-fertilization between specialties that often leads to breakthroughs in medicine, and facilitates the ability of the participants to fill gaps in their knowledge relative to these technologies and their applications. Specialty-specific courses provide exposure to information of clinical and scientific importance to those practicing in the field. Other content, including but not limited to courses and comprehensive educational activities such as the "Fundamentals of Lasers in Health Care" course and regional courses provide educational tools and will measure the degree to which material has been learned through the use of standardized testing methods. It is expected that participants in these activities will identify gaps in their knowledge, competence or performance. It is expected that participants will use the knowledge gained to improve their clinical outcomes as a result of their improved understanding of the best practices relative to patient treatment with these technologies, and their safe use.

Approved by the Board of Directors, November 18, 2014

Annual Conference Objectives

Educational Needs

The educational needs are to advance the science of laser medicine and surgery, provide better education in the safe and effective clinical use of laser and energy devices, involve residents and trainees in laser education, and train non-medical clinical personnel who work in the laser field. Through didactic lectures, abstract sessions, courses, and conversation, the ASLMS Annual Conference instructs attendees on everything from the basic science underpinning clinical applications of laser, the most up-to-date research on medical and surgical application of laser technologies, to their routine practical use in the clinical setting.

Designated Participants

The designated participants are all those interested in the use of laser, energy devices, optics, and ancillary fields of surgery and medicine. The ASLMS Annual Conference is not a specialty specific conference but rather technology-specific conference. Physicians attending the conference include dermatologists, plastic surgeons, otolaryngologists, urologists, general surgeons, neurologists, neurosurgeons, cardiologists, cardiac surgeons, oncologists, just to name a few. In addition, attendees from dentistry, veterinary medicine, the nursing and allied health fields, as well as scientists, researchers and industry itself, are all welcome to share information about a variety of topics on lasers.

Background Requirements

While knowledge of lasers and their use in medicine and surgery is desired, the material presented at the conference is directed at all knowledge levels, including sessions accessible to novices coming to learn about lasers for the very first time.

Expected Learning Outcomes

Attendees will leave the conference with a better understanding of the latest basic science and clinical research in lasers and energy devices which may lead to novel therapeutic strategies, be better able to select appropriate laser and energy device therapies for specific patient problems, be better able to anticipate, prevent, and manage adverse events associated with clinical laser treatments, and to collaborate with patients to develop treatment plans that meet their physical and emotional needs. Attendees will identify gaps in their knowledge and performance and will use the information presented at the Annual Conference to close those gaps and improve their clinical outcomes and reduce their complications. These learning objectives will be reached by attendance in the Fundamentals course, clinical application courses, breakfasts, luncheons, workshops, plenary session, clinical breakout sessions and combined sessions, focus sessions, and ePoster presentations. The multispecialty nature of this conference provides unique opportunities for cross fertilization between specialties that frequently leads to clinical breakthroughs in multiple fields.

Conference Highlights

Conference highlights include the traditional and very popular pre-conference courses on a wide variety of topics in lasers, as well as the basics and fundamentals courses and the nursing and allied health course. There will be an emphasis on small group sessions including interactive breakfast and lunch sessions, more time for abstract/breakout sessions, and a cohesive special program for residents and fellows. New sessions this year include dedicated abstract sessions for dentists and a focus on veterinary medicine as part of the joint NAALT/ASLMS photobiomodulation session.

ASLMS Learners Bill of Rights

The American Society for Laser Medicine and Surgery, Inc. (ASLMS) recognizes that you are a life-long learner who has chosen to engage in continuing medical education to identify or fill a gap in knowledge, skill, or performance. As part of ASLMS' duty to you as a learner, you have the right to expect that your continuing medical education experience with ASLMS includes:

Content that:

- promotes improvements or quality in health care;
- is valid, reliable, and accurate;
- offers balanced presentations that are free of commercial bias for or against a product/service;
- is vetted through a process that resolves any conflicts of interests of planners, teachers, or authors;
- is driven and based on learning needs, not commercial interests;
- addresses the stated objectives or purpose; and
- is evaluated for its effectiveness in meeting the identified educational need.

A learning environment that:

- supports learners' ability to meet their individual needs;
- respects and attends to any special needs of the learners;
- respects the diversity of groups of learners; and
- is free of promotional, commercial, and/or sales activities.

Disclosure of:

- relevant financial relationships planners, teachers, and authors have with commercial interests related to the content of the activity; and
- commercial support (funding or in-kind resources) of the activity.

BECOME A MEMBER

Join us and a network of 4,200 ASLMS members from around the world as we explore new laser and energy-based medical applications.

OUR MISSION

Promote excellence in patient care by advancing biomedical application of lasers and other energy-based technologies world wide.

STUDENTS

ASLMS offers free membership to students, residents, and fellows for the duration of their training.

See back to learn more about our diverse membership

MEMBERSHIP BENEFITS

MULTIDISCIPLINARY BODY OF KNOWLEDGE

The ASLMS membership represents more than 50 medical specialties including physicians, surgeons, nurses and allied health care professionals, scientists involved with product development, biomedical engineers, biologists, industry leaders and equipment manufacturers.

By continuously exchanging information across scientific, technological and medical disciplines, ASLMS members are often the first in their fields to hear about and try new laser and other energy-based procedures and treatments. This body of research is invaluable to enhancing patient care through innovative new techniques and technology.

EDUCATION

ASLMS educational offerings come in several forms: in person at the Annual Conference and regional courses, as well as long-distance learning through the eCademy, where members have access to ePosters, audio and video sessions. Members save hundreds of dollars on conference and course fees.

FREE SUBSCRIPTION TO *LASERS IN SURGERY AND MEDICINE (LSM) JOURNAL*

Our journal is the most prestigious and widely circulated peer reviewed scientific journal dedicated to basic and applied aspects of laser therapy and diagnosis. Each year, members receive 11 editions of our highly rated, indexed, professional journal with clinical studies, reviews and research reports.

PHYSICIAN LOCATOR SERVICE

Board certified physician members of ASLMS can be located by the general public through our Physician Locator Service.

COMMUNICATIONS

Members stay up-to-date on the latest developments in laser and energy-based medicine and surgery by accessing *The Light Reader* quarterly ASLMS newsletter, weekly enewsletters, a variety of social media outlets and the ASLMS mobile app.

RESEARCH GRANTS AND SCHOLARSHIPS

ASLMS annually awards research projects designed to foster the development and use of lasers and other energy based technologies in medical and surgical applications. In addition, as many as four student grants of \$5,000 each may be awarded each year.

WORLDWIDE PROFESSIONAL NETWORK

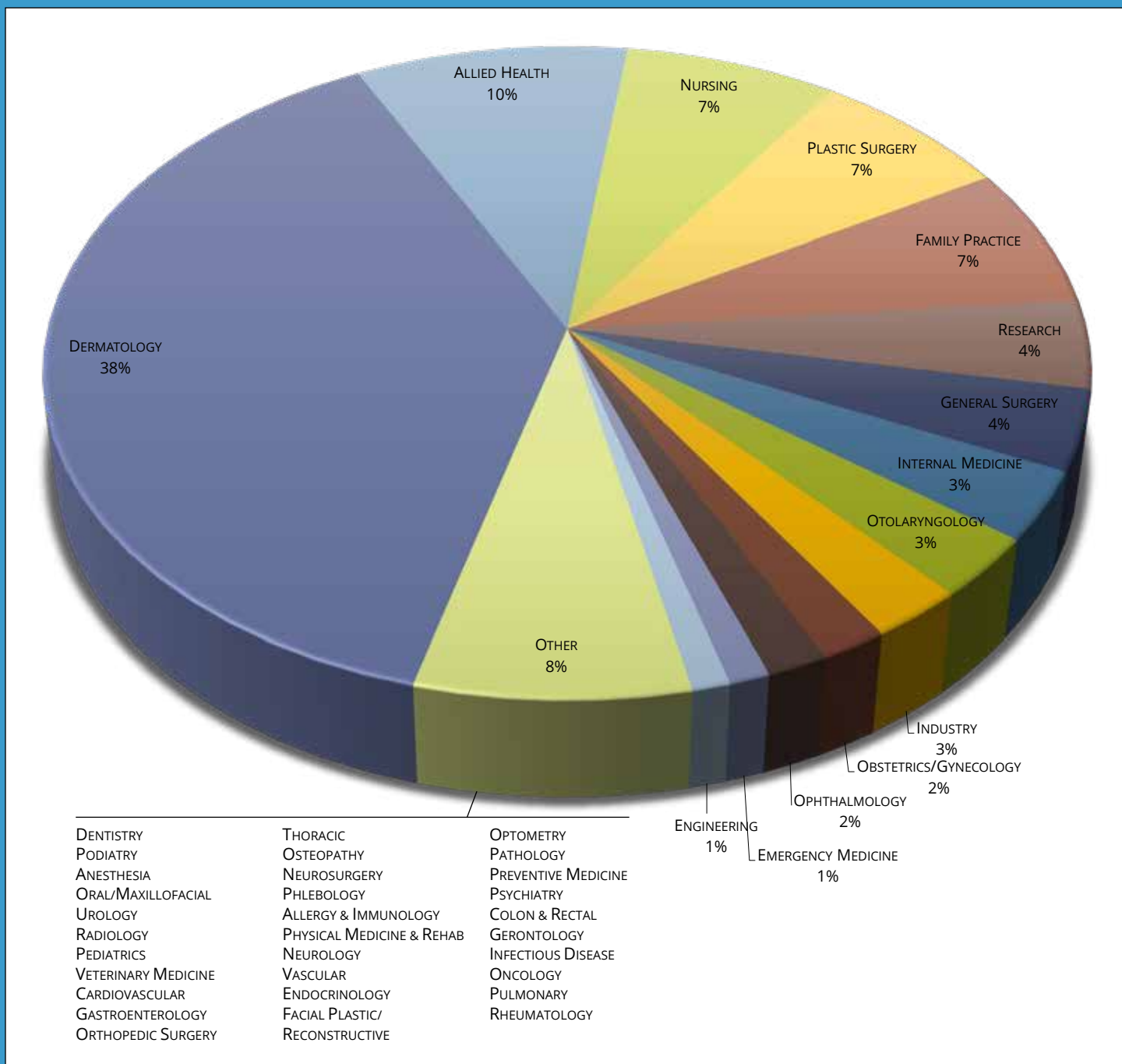
Free 24-hour access to our exclusive online directory of over 4,200 members means you can network with your fellow ASLMS members at your convenience.

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4200+ MEMBERS

50+ Medical Specialties Represented



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Name	Page #	Disclosure
Aasi, Sumaira	98	No Disclosure
Abrahamse, Heidi	56	No Disclosure
Abramoff, Meire	53	No Disclosure
Absten, Gregory	11, 12, 78	No Disclosure
Acosta, Geylor	85	No Disclosure
Aghdami, Naser	56	No Disclosure
Aguilar, Guillermo	78, 124	No Disclosure
Ahn, Peter	61	No Disclosure
Ajdaharian, Janet	50, 79	No Disclosure
Akita, Hirotaka	89	No Disclosure
Alabdulrazzaq, Hamad	49, 75, 77, 123	No Disclosure
Alam, Murad	13, 15, 20	Received Grant Funding from Amway; Received Consulting fees from Amway, Optmed
Aldana, Guillermo	47	No Disclosure
Alexiades-Armenakas, Macrene	43, 44, 59, 60, 82, 83, 84, 138	Received Grant Funding from Alma, Deka, DUSA and Syneron for clinical studies
Alexis, Andrew	15	Received Grant Funding from Allergan; Received Consulting fees from Allergan, Amgen, Bayer, Galderma, Johnson & Johnson Services, Procter & Gamble; Served on Advisory Board for Allergan, Amgen, Galderma, LEO Pharma, Suneva Medical, Valeant; Industry Sponsored lectures for Cipla Global Limited
Allison, Ron	43, 44, 59, 60, 82, 83, 84, 100, 138	No Disclosure
Ally, Mina	98	No Disclosure
Alster, Tina	2, 8, 37, 49, 62, 63, 119, 129	Received Equipment from Sebacia, Syneron-Candela; Received Consulting fees from Estee Lauder/La Mer, Reckitt Benckiser; Holds Ownership Interest with Home Skinovations; Served on Advisory Board for Allergan
Altanian, Olga	18	No Disclosure
Altman, Robert S.	84	Holds Ownership Interest with Concordia Healthcare
Alves, Danuza	76	No Disclosure
Alves, Maria Teresa	53	No Disclosure
Amirian, Michael	96, 124	No Disclosure
Anbil, Sriram	60	No Disclosure
Anders, Juanita	3, 6, 42, 45, 46, 53, 54, 55, 62, 80, 81, 137	Received Grant Funding and CRADA between USUHS and Lite Cure, Lumithera; Received Equipment from B&W Tek, Irradia, LiteCure, Nitto Denko, PhotoThera; Travel Expenses Paid By Companion Animal LLC, Lite Cure; Received Royalties from Banyon Biomarkers, PhotoThera; Holds Intellectual Property Rights with Henry M Jackson Foundation; Served on Advisory Board for Companion Animal LLC, Lite Cure, Lumithera; Served as Officer or Director for ASLMS

Faculty/Speaker Disclosures

Name	Page #	Disclosure
Anderson, R. Rox	2, 5, 8, 45, 51, 70, 71, 77, 79, 91, 97, 127, 128, 129	Received Grant Funding from Zeltiq; Received Equipment from Syneron-Candela, Zeltiq; Received Consulting fees and Holds Ownership Interest in Amway, Cytrellis, Photomedex, Seventh Sense; Travel Expenses paid by Seven Oaks; Received Royalties and Holds Intellectual Property Rights with Massachusetts General Hospital; Served on the Advisory Board for Blossom Innovations, Cytrellis, Photomedex, Seventh Sense
Andriani, Rudy	81	No Disclosure
Anolik, Robert	44, 49, 75, 77, 89, 123	No Disclosure
Aranha, Ana	57	No Disclosure
Arany, Praveen	42, 56, 57, 58, 67, 100, 138	Received Honoraria for educational services from Cutera, Cynosure, Sciton
Arndt, Kenneth	13, 14, 21, 30, 49, 99, 127, 128, 129	Holds Ownership Interest with PhotoMedex, Solta
Avram, Marc	75	No Disclosure
Avram, Mathew	13, 14, 16, 47, 48, 49, 51, 68, 70, 75, 76, 77, 89, 90, 91, 129, 137	Received Consulting fees from Kythera, Zeltiq; Holds Ownership Interest with Masters of Aesthetics, San Diego Meeting; Holds Intellectual Property Rights with Cytrellis
Bae, Yoon-Soo Cindy	49, 89, 123	No Disclosure
Baghban Eslaminejad, Mohammadreza	54, 56	No Disclosure
Bagnato, Vanderlei	61	No Disclosure
Baker, Wesley	61	No Disclosure
Bakker, Myrna	48	No Disclosure
Bakus, Abnoeal	86	No Disclosure
Balaraman, Brundha	89, 96, 97, 98, 99, 139	No Disclosure
Balu, Mihaela	50	No Disclosure
Bancroft, Ann	72	No Disclosure
Bankowski, Richard	17	Received Salary from and Holds Ownership Interest with Cynosure; Served as Officer or Director of ASLMS
Banzhaf, Christina	90	No Disclosure
Baptista, Mauricio	80	No Disclosure
Barbarich, Sonja	62	Received Salary from Sciton
Barboza de Nardi, Andrigo	61	No Disclosure
Barneon, Gilbert	77	No Disclosure
Barolet, Daniel	44, 53, 54	No Disclosure

Faculty/Speaker Disclosures

Name	Page #	Disclosure
Barreto Requena, Michelle	61	No Disclosure
Barton, Jennifer	97	No Disclosure
Bass, Lawrence	32, 33, 78, 90	Received Equipment from BTL; Received Consulting fees from Cynosure, Sanuwave; Served on Advisory Board for Allergan, Merz; Cynosure
Battle, Eliot	15	No Disclosure
Baxt, Rebecca	88	Served on Promotional Speakers Bureau for Allergan
Baxter, G. David	3, 18, 45, 46, 85, 86, 100, 121, 137	No Disclosure
Beasley, Karen	49, 76	No Disclosure
Beckford, Angela	77	No Disclosure
Beerwerth, Frank	78	No Disclosure
Belotto, Renata	80	No Disclosure
Bernstein, Eric	19, 30, 47, 48, 49, 75, 76, 77, 89, 90, 91, 100, 138	Received Grant Funding from Coolsculpting, Cynosure, Syneron, Valeant/Solta; Received Equipment from Candela, Cynosure; Received Consulting fees from and Holds Intellectual Property rights with Candela; Served on Advisory Board for Cynosure, Syneron; Served as Officer or Director for ASLMS board
Bernstein, Leonard	44, 49, 75, 77, 89, 123	No Disclosure
Bhatia, Ashish	35, 74	Received Consulting fees from Allergan, Anacor Pharm, Celgene, Cutera, Ethicon, Health Equity Labs, Mentor, Inc., Suneva Medical, Ulthera, Valeant; Travel Expenses paid by BioMarck, Celgene, Galderma, Genzum, Valeant; Holds Ownership Interest with BioMarck, Derm.md, Genzum, SimSkin, Theravant; Received Honoraria from Cutera; Served on Advisory Board for BioMarck, Derm Education Foundation, Derm.md, Theravant
Bhayana, Brijesh	91	No Disclosure
Biel, Merrill	43, 44, 59, 60, 82, 83, 84, 138	Received Consulting fees from Aspyrian Therapeutics, Ondine Biomedical; Holds Ownership Interest with Sinuwave
Biesman, Brian	16, 19, 49, 65, 75, 128, 129	Received Discount from Zimmer; Received Consulting fees from Allergan, Galderma, Kythera, Living Proof, Merz, Myoscience, Revance, Syneron-Candela, Tria Beauty, Valeant, Zeltiq; Travel Expenses paid by Living Proof, Tria Beauty, Valeant; Received Honoraria or gifts for educational services from Allergan, Syneron-Candela, Valeant; Holds Ownership Interest with Cytrellis, On Light Science; Served on Advisory Board for Cytrellis, Valeant, Zeltiq; Served on Promotional Speakers Bureau for Allergan, Merz, Syneron-Candela, Valeant; Received Grants/ Research support from Allergan, Evolus, Kythera, Merz, Myoscience, OnLight Science, Revance, Syneron-Candela, Ulthera, Zeltiq
Birngruber, Reginald	95, 127	No Disclosure
Bitter, Jr., Patrick	78	Received Equipment and Honoraria for educational services from Sciton

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Name	Page #	Disclosure
Bloom, Bradley	18, 44, 49, 77, 89, 96, 97, 98, 99, 123, 139	No Disclosure
Bloom, Jason	65	Received Consulting fees from Merz, Pharmaceutical Project Solutions; Served on Promotional Speakers Bureau for Ellman, Galderma, Solta, Zeltiq
Boey, Gerald	90	No Disclosure
Bomfim, Fernando	93	No Disclosure
Bonito, Valentina	92	No Disclosure
Botchkareva, Natalia	98	No Disclosure
Boutros, Sean	28, 29	No Disclosure
Bradley, Paul	58	No Disclosure
Brauer, Jeremy	24, 32, 33, 44, 49, 75, 77, 89, 96	Received Consulting fees from Miramar; Travel Expenses paid by Cynosure; Received Honoraria for educational services from Cynosure
Breithaupt, Andrew	98	No Disclosure
Brenner, Matthew	92	No Disclosure
Briars, Emma	60	No Disclosure
Brightman, Lori	44, 75, 77, 123	Received Equipment from Cutera, Cynosure, Invasix, Kythera, Lithera, Miramar, Palomar, Syneron-Candela, Valeant/Solta, Vaser, Zeltiq; Received Discount from Cynosure, Palomar, Syneron-Candela, Ulthera, Valeant/Solta, Zeltiq; Received Honoraria for educational services from Syneron-Candela, Valeant/Solta, Zeltiq; Served on Advisory Board for Cynosure
Buendia Bordera, Gabriel	75	No Disclosure
Burchman, Mel	58	No Disclosure
Burns, A. Jay	23, 26, 27, 68, 75, 90	Received Grant Funding from Zeltiq; Received Discount from Cynosure, Sciton, Ulthera, Zeltiq, Zimmer; Received Honoraria for educational services from Solta, Sciton, Ulthera, Zeltiq; Holds Ownership Interest with Zeltiq; Served on Advisory Board for Cynosure, Myoscience, Thermi-Aesthetics, Ulthera, Zeltiq
Busch, Theresa	61	No Disclosure
Buscone, Serena	98	No Disclosure
Bussadori, Sandra	54, 78	No Disclosure
Calderon, Jose	94	No Disclosure
Carp, Stefan	94	No Disclosure
Castellano, Irene	98	No Disclosure
Cavalcante, Vanessa	55	No Disclosure
Cavalcanti Teixeira, Lucia Regina	50	No Disclosure
Celli, Jonathan	60	No Disclosure
Cerrados, Kamila	55	No Disclosure

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Chacur, Marucia	76	Received Equipment from and Holds Ownership Interest in Novoxel; Received Consulting fees from Calor; Travel Expenses paid by and Served on Speakers Bureau for Merz, Novoxel; Received Honoraria from Calor, Merz; Served on Advisory Board for Calor, Merz, Novoxel
Chacur, Nivea	76	No Disclosure
Chacur, Roberto	76	No Disclosure
Chan, Henry Hin Lee	15, 30, 89, 90, 128	Received Equipment from Cynosure, Lumenis - Israel, Quanta System-Italy, Syneron Medical, Venus Concept; Received Discount from Cutera, Cynosure, Lumenis-Israel, Syneron Medical, Ulthera Arizona, USA; Received Consulting fees from Access Business Group International, Basis Medical Technologies-Canada, Cutera; Received a free loan from Quanta System Italy; Received Royalties from McGraw-Hill Companies; Received Honoraria for educational services from Syneron Medical, Zeltiq Aesthetics; Holds Ownership Interest with Basis Medical Technologies-Canada, Cytrellis Biosstems, Lumenis-Israel, Syneron Medical; Served on Advisory Board for Lumenis-Israel, Syneron Medical; Served as Officer or Director Blossom Innovation, Inc.; Received support/fees to conduct clinical trial from Cutera, Cynosure, Syneron Medical, Zeltiq Aesthetics; Quanta System Italy; Ulthera Arizona USA, Regeneron Pharmaceuticals.
Chan, Johnny C.Y.	89, 90	No Disclosure
Chandra, Malavika	61	Received Salary from Mathworks
Chapas, Anne	18	Received Grant Funding from DUSA, Myoscience, Restorsea, Watson; Received Discount from Syneron; Travel Expenses paid by Restorea; Served on Advisory Board for Valeant; Served on Promotional Speakers Bureau Allergan, DUSA, Medicis, Syneron
Chavantes, M. Cristina	2, 8, 54, 62, 63, 80, 124	No Disclosure
Chawla, Kirti	58	No Disclosure
Chen, Bin	91	No Disclosure
Chen, Bo	78	Received Equipment and Salary from and Travel Expenses paid by Cynosure
Chernova, Margarita	51, 79	No Disclosure
Cherubini, Giulio	81	No Disclosure
Chilukuri, Suneel	74	No Disclosure
Chipps, Lisa	76	No Disclosure
Choi, Bernard	56, 92, 95	Received Grant Funding and Equipment from Alma; Received Consulting fees from Edwards Lifesciences, Stetina, Brunda, Garred & Bruker PC; Received Research Grant Funding from Department of Defense, National Institutes of Health
Chuang, Gary	51	No Disclosure
Ciociola, Tecla	83	No Disclosure

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Ciscar, Eva	75	No Disclosure
Cohen, Joel	65	Received Grant Funding from Allergan, Candela, Galderma, Kythera, Leo, Ulthera, Valeant; Received Consulting fees from Allergan, DUSA, Galderma, Kythera, Loreal, Merz, Valeant; Served on Promotional Speakers Bureau for Sciton
Coleman, William	48, 49	Received Consulting fees from, Travel Expenses paid by, Holds Ownership Interest in, and Served on the Advisory Board for Miramar
Collins, Erica	17	Received Salary from Cynosure
Colombo, Fernanda	54	No Disclosure
Conti, Felipe	54	No Disclosure
Conti, Stefania	83	No Disclosure
Cordova, Miguel	95, 97, 125	No Disclosure
Cormack, Gregory	54	No Disclosure
Corradini, Katie	18	No Disclosure
Corrêa, Luciana	50	No Disclosure
Cramer, Gwendolyn	60	No Disclosure
Crispin, Milene	98	No Disclosure
Croix, Jennifer	96	No Disclosure
Cucinotta, Anna Maria	58	No Disclosure
Dai, Tianhong	51	No Disclosure
Dale, R. Barry	80	No Disclosure
Damestani, Yasaman	62, 78, 123, 124	No Disclosure
Das, Akhil	96, 124	No Disclosure
Day, Doris	3, 7, 35	Received Discount from BTL; Travel Expenses paid by Allergan, Galderma, Merz, Valeant; Received Honoraria for educational services from Allergan, Galderma, Merz, Valeant; Served on Advisory Board for Allergan, Galderma, Merz, Valeant; Served on Promotional Speakers Bureau for Allergan, Galderma, Merz, Valeant
Dayan, Steven	75	No Disclosure
De Angelis, Katia	54	No Disclosure
de Carvalho, Paulo de Tarso Camillo	55	No Disclosure
de Holanda, Carlos Vanderlei Medeiros	80, 124	No Disclosure
De Howitt, Natalie	78, 124	No Disclosure
De Taboada, Luis	80	Received Salary from LiteCure; Holds Ownership Interest and Illectual Property Rights with Advanced Photonics Solutions
Deana, Alessandro	58	No Disclosure
DeLozier, Whitney	98	No Disclosure
Depina, Joaquina	49	No Disclosure

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Desai, Shraddha	49, 99	No Disclosure
Dhawan, Sunil	76	No Disclosure
DiBernardo, Barry	20, 119	Received Grant Funding from Cutera, Cynosure, Syneron; Received Equipment from Cutera, Cynosure, Zwave; Received Discount from Coolsculpting, Cutera, Cynosure, Thermi; Received Consulting fees from Cynosure; Received Royalties from Elsevier; Received Honoraria for educational services from Cynosure, Cutera; Served on Advisory Board for Allergan, Canfield, Cynosure, eLux, Merz, Real Self, Valeant; Served on Promotional Speakers Bureau for Cutera, Cynosure, Merz
Dierickx, Christine	26, 27, 75	Received Grant Funding from Alma, Galderma, Pantec; Received Equipment from Syneron-Candela, Chromogenex, Lumenis, Lutronic, Palomar, Ulthera; Received Consulting fees from Galderma, Merz; Served on Advisory Board for Merz, Zeltiq
Dilkes, Mike	85	No Disclosure
Doherty, Sean	17, 49, 78, 90	Received Grant Funding from Galderma, Smith & Nephew; Received Discount from Cynosure; Received Consulting fees from Cynosure; Travel Expenses paid by Galderma, Smith & Nephew; Received Salary From Cynosure, Galderma, Smith & Nephew; Holds Ownership Interest with Cynosure; Served on Advisory Board for Galderma, Smith & Nephew; Served on Promotional Speakers Bureau for Cynosure, Galderma, Smith & Nephew; Served as Officer or Director Cynosure
Doukas, Apostolos	91, 97	No Disclosure
Dover, Jeffrey	21, 32, 33, 35, 49, 75, 128, 129	Received Grant Funding from Allergan, Cutera, Cynosure, Kythera, Lumenis, Merz, Revance, Sebacia, Shaser, Solta, Suneva, Syneron-Candela, Valeant, Zeltiq; Received Equipment from Cynosure, Lumenis, Palomar, Syneron-Candela; Received Consulting fees from Allergan, Cynosure, Lumenis, Solta, Syneron-Candela, Valeant, Zeltiq; Received Royalties from CVS/Skin Effects; Received Honoraria from Allergan, Lumenis, Medicis, Solta, Zeltiq; Holds Intellectual Property Rights with Shaser; Served as Co-director and sponsor of Controversies and Conversations in Laser and Cosmetic Surgery Advanced Symposium; Series editor of Procedures in Cosmetic Dermatology published by Elsevier
Dunbar, Laurie	72	No Disclosure
Duncan, Diane	90	No Disclosure
Durkin, John	96	No Disclosure
Eeg, Peter	73	No Disclosure
Elsheikh, Mai Seoudy	97	No Disclosure
Emer, Jason	98	No Disclosure
Emmert, Greg	72	No Disclosure
Eriksson, Andre H.	91	Received Grant Funding from EU and Danish public and private foundations; Holds Ownership Interest in the form of stock in Novo Nordisk A/S

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Erlendsson, Andres	78, 91	No Disclosure
Escobar, André	61	No Disclosure
Eseonu, Amarachi	96	No Disclosure
Evans, Conor L.	95	No Disclosure
Evers, Michael	95, 98, 125	No Disclosure
Ezra, Navid	96	No Disclosure
Fabi, Sabrina	48	Received Grant Funding from Allergan, Kythera, Revance, Ulthera; Received Consulting fees from Merz, Ulthera, Valeant; Travel Expenses paid by Allergan, Lumenis, Revance, Ulthera, Valeant; Received Honoraria for educational services from Allergan, Lumenis, Merz, Ulthera; Served on Advisory Board for Merz, Valeant; Served on Promotional Speakers Bureau for Allergan, Lumenis, Merz, Ulthera
Fadel, Maha	44	No Disclosure
Fan, Bo	94, 125	No Disclosure
Faraz, Farrukh	58	No Disclosure
Farinelli, William	77, 91, 97, 127	No Disclosure
Farraro, Ryan	92	No Disclosure
Fathi, Omid	92	No Disclosure
Feely, Meghan	99	No Disclosure
Fekrazad, Reza	54, 56, 57	No Disclosure
Felten, Richard	41, 76, 87	No Disclosure
Feng, Xin	94	No Disclosure
Fernanda Campos de Menezes, Priscila	61	No Disclosure
Fernandes, Kristianne	54, 58, 78	No Disclosure
Fernandes, Maria Helena	54	No Disclosure
Ferreira, Lydia	53	No Disclosure
Finlay, Jarod	61	Received Salary From University of Pennsylvania; Served on Advisory Board for Varian Medical Systems
Finney, Robert	96, 99	No Disclosure
Fleming, Trudy	18	No Disclosure
Fletcher, Leysin	48	No Disclosure
Florendo, Edmund	92	No Disclosure
Fornaini, Carlo	58, 83	No Disclosure
Fournier, Nathalie	77	Received Equipment from Novoxel; Received Discount from Croma, Merz; Received Consulting fees from Calor, Urgo; Travel Expenses paid by Merz, Novoxel; Holds Ownership Interest with Novoxel; Served on Advisory Board for Calor, Novoxel, Urgo
Franca, Cristiane	58, 78	No Disclosure

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Francischetti, Martiniano	58	No Disclosure
Franco, Walfre	79, 97	No Disclosure
Frank, Michael	48	No Disclosure
Freitas, Anderson	57	No Disclosure
Fried, Daniel	67	No Disclosure
Friedman, Paul	3, 11, 12, 13, 14, 15, 30, 31, 32, 45, 46, 89, 90, 98, 100, 121, 137	Received Grant Funding from Sebacia (principal investigator); Served on Advisory Board for Valeant
Friedmann, Daniel	74, 91	No Disclosure
Frydrych, Wendy	80	Travel Expenses paid by and Salary from LiteCure
Fujibayashi, Mariko	89	No Disclosure
Fujimoto, Takahiro	51	No Disclosure
Gallagher-Colombo, Shannon	61	No Disclosure
Gan, Stephanie	99	No Disclosure
Gao, Lin	51, 79	No Disclosure
Garcia, Monica	54	No Disclosure
Garcia-Guzman, Miguel	84	No Disclosure
Garden, Jerome	32, 86, 128, 129	Received Grant Funding from Syneron; Received Equipment from Alma, Biosystems, Syneron, Zeltic; Received Discount from Cutera, Cynosure, Solta; Travel Expenses paid by Syneron; Received Honoraria from Cynosure; Holds Ownership Interest in Skinovations
Garibyan, Lilit	77	No Disclosure
Geddes, Elizabeth	89, 90, 96, 97, 98, 99, 123, 139	No Disclosure
Geronemus, Roy	18, 24, 30, 31, 32, 44, 49, 66, 75, 77, 87, 89, 96, 128, 129	Holds Ownership Interest with OnLight Sciences, Zeltiq; Served on Advisory Board for Cynosure, Syneron-Candela, Zeltiq; Served as Investigator for Allergan, Cutera, Cynosure, Cytrellis, DUSA, Kythera, Lithera, Medicis, Miramar, Myoscience, MoMelan, Pfizer, Syneron-Candela
Ghasemi Barghi, Vadood	57	No Disclosure
Gill, Ruby	92	No Disclosure
Gitt, Steven	91	Received Consulting fees from, Travel Expenses paid by and Served on Promotional Speakers Bureau for Cynosure, Ulthera
Godine, Richard	72, 73, 138	No Disclosure
Golabgir Anbarani, Afarin	79	No Disclosure
Gold, Michael	22, 26, 43, 119	Received Consulting fees from, Holds Ownership Interest in the form of stock, and Served as Investigator for Home Skinovations

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Goldberg, David	16, 30, 31, 49, 77, 119, 129	Received Grant Funding from Allergan, Cutera, Sebacia, Syneron, Unilever; Received Consulting fees from Miramar; Received Honoraria for educational services from Cutera, Syneron; Holds Ownership Interest with Aquavit
Goldberg, Gerald	11, 12, 70	Received Equipment from, Travel Expenses paid by, Received Honoraria for educational services from and Served on Promotional Speakers Bureau of Syneron-Candela; Received Discount from Cutera, DEKA, Palomar, Syneron-Candela; Received Consulting fees from Con-Bio, Syneron-Candela
Goldman, Mitchel	26, 30, 32, 33, 48, 68	Received Grant Fundings from Cynosure, Lumenis, Sienna Labs; Received Equipment from Lumenis, Syneron-Candela; Received Discounts from Cynosure, Lumenis, Solta, Syneron-Candela, Thermi, Zeltiq; Consulting fees received and Travel Expenses paid by Lumenis; Holds Ownership Interest with Lumenis stock options, Sienna Labs stock and options; Served on Advisory Board for Lumenis, Sienna
Gomes, Anders Stevens Leonidas	50	No Disclosure
Goulart, Viviane	50	No Disclosure
Gowani, Zain	95	No Disclosure
Graves, Michael	75, 77, 89, 99	No Disclosure
Green, Jeremy	32, 74, 87, 96, 97, 98, 99, 100, 139	Received Grant Funding from Cutera, Kythera, Revance, Ulthera; Served on Promotional Speakers Bureau for Cutera, Cynosure, Ulthera, Valeant; Served on Advisory Board for Galderma, Lutronic, Merz, Valeant
Greenbaum, Joshua	44, 77	No Disclosure
Griffin, Thomas	96	No Disclosure
Gross, Deborah	72	No Disclosure
Gu, Ying	51	No Disclosure
Guaraldo, Simone Adriana	55	No Disclosure
Gudejko, Heather	60	No Disclosure
Guilherme, Arnaldo	53	No Disclosure
Gutierrez-Herrera, Enoch	97	No Disclosure
Haedersdal, Merete	13, 43, 44, 47, 59, 60, 66, 70, 71, 78, 82, 83, 84, 90, 91, 138	Received Grant Funding from Almirall, Galderma, Leo Pharma, Lumenis, Lutronic, Procter & Gamble; Received Equipment from Palomar/Cynosure, Pantec; Travel Expenses paid by Galderma, Pantec
Haimovic, Adele	89, 96, 123	No Disclosure
Halachmi, Shlomit	76	No Disclosure
Hale, Elizabeth	22	Received Consulting fees from Lifeline SkinCare, Merck, Revlon, Guthy-Renker; Served on Promotional Speakers Bureau for Allergan, Merz
Halvorson, Christian	49	No Disclosure

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Hamblin, Michael	94	Received Grant Funding from PhotoThera; Received Equipment from Irradia, PhotoThera; Received Consulting fees and Travel Expenses paid by Transdermal Cap; Holds Ownership Interest with Germext, Transdermal Cap; Served on Advisory Board for Hologenix, Transdermal Cap
Harris, Ronald	50	No Disclosure
Harry, Rosemary	87	Received Salary From, Holds Ownership Interest with and Served as Officer or Director for Device Foundations, Inc.
Hasan, Tayyaba	60	Received Grant Funding from Air Force Office of Scientific Research, Canon USA, National Institute of Health; Travel Expenses paid by American Society for Photobiology, Society of Nuclear Medicine and Molecular Imaging; Received Salary from, Holds Ownership Interest and Intellectual Property Rights with Massachusetts General Hospital; Served on Advisory Board for Canon USA Governance Committee, Tufts University Biomedical Engineering Department
Hereman, Janaina	93	No Disclosure
Herold, Manfred	75	No Disclosure
Hibler, Brian	97, 125	No Disclosure
Ho, Derek	99	No Disclosure
Ho, Jessica	79	No Disclosure
Ho, Jonhan	96	No Disclosure
Hoffman, Klaus	49	No Disclosure
Holanda, Vanessa	80, 124	No Disclosure
Hollmig, S. Tyler	98	No Disclosure
Holt, Ginger	95	No Disclosure
Hoopman, John	17, 69	Received Grant Funding from Sciton; Received Consulting fees from Cutera, Sciton; Received Honoraria for educational services from Cutera, Sciton
Horiguchi, Masatoshi	51	No Disclosure
Horton, Margaret	92	No Disclosure
Hruza, George	16, 32, 33	Served as President of ASDS
Hsu, Jeffrey	74	Received Consulting fees from Celgene, Cutera, Galderma, Suneva Medical; Travel Expenses paid by Allergan, Celgene, Cutera, Galderma; Holds Ownership Interest with Genzum, SimSkin, Theravant; Received Honoraria from Celgene, Cutera
Hu, Shao-Juan	55	No Disclosure
Hua, Susan	55	No Disclosure
Huang, Yingying	94	No Disclosure

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Ibrahimi, Omar	25, 75	Received Grant Funding from Living Proof, Lumenis, Lutronic; Received Equipment from Lumenis, Lutronic; Received Discounts from Kythera, Procter & Gamble, Zeltiq; Received Consulting fees from, Travel Expenses paid by and Served on Advisory Board for Lutronic
Ilev, Ilko	2, 9, 70, 94, 95, 100, 121, 187	No Disclosure
Itri, Rosangela	80	No Disclosure
Jacob, Carolyn	13, 49	Received Discount from Miramar; Received Consulting fees from Abbvie, Allergan, Galderma, Medicis/Valeant; Received Honoraria for educational services from Abbvie, Galderma, Medicis/Valeant; Holds Ownership Interest with Allergan, Medicis/Valeant; Served on Advisory Board for Miramar; Served on Promotional Speakers Bureau for Abbvie, Galderma, Medicis/Valeant
Jagdeo, Jared	8, 46, 99, 126	Received Grant Funding from DUSA; Received Equipment from Photomedex; Received Consulting fees and Honoraria from DEKA
Jalian, H. Ray	16, 41, 47, 48, 49, 68, 74, 75, 76, 77, 89, 90, 91, 138	No Disclosure
Jansen, E. Duco	51, 127	Received Grant Funding from DOD, NIH; Received Salary and Royalties via licensing agreements of third parties, and Holds Intellectual Property Rights (named inventor on IP owned by) with Vanderbilt University
Javed, Muhammad	97	No Disclosure
Jia, Wangcun	51, 52	No Disclosure
Johnson, Jennifer	72	No Disclosure
Joo, Jayne	76, 99	No Disclosure
Jurna, Martin	92	Received Equipment and Salary from, Travel Expenses paid by, and Holds Intellectual Property Rights with Philips
Kabir, Yasmeen	76	No Disclosure
Kalhuri, Katayoun AM	54, 56, 57	No Disclosure
Kaminer, Michael	20, 32, 33, 75, 87	No Disclosure
Kanazawa, Hideko	51	No Disclosure
Kanchanapoomi, Melissa	89, 123	No Disclosure
Karmisholt, Katrine	47, 90	Received Grant Funding from Lumenis
Kassab, Kawser	44	No Disclosure
Katz, Bruce	36, 78, 90	Received Grant Funding from Cynosure; Received Equipment from Allergan, Alma, Cynosure, Merz, Valeant; Received Consulting fees from Allergan, Merz, Valeant; Received Honoraria for educational services from Allergan, Cynosure, Merz, Valeant; Served on Advisory Board for Allergan, Merz, Valeant

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Kaufman, Joely	88, 100	Received Grant Funding from Merz; Received Consulting fees from Elizabeth Arden; Received Honoraria for educational services from Cutera, Cynosure; Served on Advisory Board for Allergan, Energizer, Lutronic, Merz, Suneva
Kauvar, Arielle	21, 26, 27, 49	Received Grant Funding from Cynosure/Palomar, Lumenis, Syneron-Candela
Keiko Lima Fujita, Alessandra	61	No Disclosure
Keller, Emily	13	No Disclosure
Kelly, Kristen	32, 39, 40, 50, 95	Received Grant Funding from Nitto Denko; Received Equipment from CoolTouch, Light Sciences Oncology, Syneron-Candela; Received Consulting fees from Pierre Fabre
Ketz, Ann	53	No Disclosure
Keys, Kathy	41	No Disclosure
Khan, Imran	56	No Disclosure
Khan, Shazia	60	No Disclosure
Khatri, Khalil	17, 18	No Disclosure
Kiener, David	75	No Disclosure
Kilmer, Suzanne	23, 26, 30, 49, 65, 70, 71, 76, 90, 99, 128	Received Grant Funding from Allergan, Syneron-Candela, Cynosure, Living Proof, Lumenis, Miramar, Ulthera, Zeltiq; Received Consulting fees from Allergan, Lumenis; Travel Expenses paid by Allergan, Zeltiq; Received Honoraria for educational services from Allergan; Holds Ownership Interest with Solta, Zeltiq; Served on Advisory Board for Allergan, Syneron-Candela, Living Proof, Lumenis, Miramar, Zeltiq
Kingsley, Melanie	96	No Disclosure
Kochevar, Irene	79	No Disclosure
Kono, Taro	89	Received Equipment from Cynosure, Syneron-Candela; Served on Advisory Board for Syneron-Candela
Kosari, Payman	48	No Disclosure
Kositratna, Garuna	91, 98, 125	No Disclosure
Kosoglu, Mehmet	76, 81	No Disclosure
Kovács, Katalin	73	No Disclosure
Krakowski, Andrew	28, 39, 40, 99, 100	No Disclosure
Krasieva, Tatiana	50, 79	No Disclosure
Kruter, Laura	49, 99	No Disclosure
Kurachi, Cristina	61	No Disclosure
Lamba, Arundeeep	58, 125	No Disclosure

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Lanzafame, Raymond	41, 42, 53, 54, 55, 80, 81, 100, 127, 128, 129, 139	Received Grant Funding from Apira Science; Received Equipment from Apira Science, ImArcSys; Received Consulting fees from Apira Science, Coleman Research Group, GLG Councils, Leerink Swan, Merz; Travel Expenses paid by ASLMS, Society of Laparoendoscopic Surgeons (i.e. Reimbursement for Board of Directors', course faculty, and/or CME Director activities at programs for both ASLMS and SLS); Holds Intellectual Property Rights with Biomedical Gateway LLC, Conversion Energy Enterprises, ImArcSys, New Skin Therapies LLC; Served as Officer or Director for ASLMS, Council of the New York Chapter of the American College of Surgeons, House of Delegates of Medical Society of the State of New York, Monroe County Medical Society, North American Association for Laser Therapy, Society of Laparoendoscopic Surgeons; Consultant General and Plastic Surgery Devices Panel of the Medical Devices Advisory Committee of the FDA CDRH; Editorial Board and Consulting Editor of Lasers in Medical Science, Editor-in-Chief of Photomedicine and Laser Surgery
Lask, Gary	37, 77, 98	Received Grant Funding, Discount and Consulting fees from, Travel Expenses paid by and Served on Promotional Speakers Bureau for Invasix/Inmode; Received Equipment from Invasix/Inmode, Syneron-Candela; Received Salary From and Holds Ownership Interest with Invasix/Inmode, Novoxel; Served on Advisory Board for Invasix/Inmode, Novoxel, Syneron-Candela
Latrive, Anne	50	No Disclosure
Le, Monica	51	No Disclosure
Lee, Kachiu	77	No Disclosure
Lepselter, Joseph	76	No Disclosure
Levin, Yakir	98, 125	No Disclosure
Levine, David	80	No Disclosure
Li, Dong	91	No Disclosure
Li, Fang-hui	54	No Disclosure
Liang, Ron	79	No Disclosure
Liang, Ya	97	No Disclosure
Lima, Cássio	50	No Disclosure
Lippi, Paolo	81	No Disclosure
Liu, Gangjun	52	No Disclosure
Liu, Timon Cheng-Yi	54, 55, 97	No Disclosure
Liu, Yan-Ying	55	No Disclosure
Lloyd, Amanda	75, 77, 89, 99	No Disclosure
Longo, Diego	81	No Disclosure
Longo, Leonardo	81	No Disclosure

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Low, Philip	60, 124	Received Grant Funding and Salary from, Holds Ownership Interest and Intellectual Property Rights with, and Served as an Officer or Director for Endocyte, On Target Laboratories
Luke, Markham C.	76	No Disclosure
MacGregor, Jennifer	13, 14, 18, 35, 87	No Disclosure
Madi, Otavio	54	No Disclosure
Mahadevan-Jansen, Anita	95	Received Grant Funding from DOD, NIH; Travel Expenses paid by and Served as an Officer or Director for SPIE; Received Salary and Royalties from and Holds Intellectual Property Rights with Vanderbilt University
Mahalingam, Sakkarapalayam	60, 124	No Disclosure
Mahon, Sari	92	No Disclosure
Majaron, Boris	79, 52	No Disclosure
Maneshi, Mohammed Mehdi	55	No Disclosure
Mang, Thomas	51, 55, 59, 67, 83	Received Consulting fees from and Travel Expenses paid by Pinnacle Biologics
Manstein, Dieter	51, 70, 71, 87, 91, 94, 95, 98, 125, 128	Received Grant Funding from Lumenis; Received Consulting fees from Blossom Innovation, Neutrogena, Syneron, Zeltiq; Received Royalties from Massachusetts General Hospital (licensing contracts with Cynosure, Palomar, Solta, Zeltiq); Holds Ownership Interest with Blossom Innovation, GME German Medical Engineering; Served on Advisory Board for Zeltiq; Served as Officer or Director ASLMS (Laser Medicine Board Representative), Blossom Innovation
Marcus, Stewart	84	Served as an Officer or Director for DUSA Pharmaceuticals
Mardaryev, Andrei	98	No Disclosure
Maris, Michael	49	No Disclosure
Mariwalla, Kavita	25, 87	No Disclosure
Marques, Anna Cristina	55	No Disclosure
Mashadi Abbas, Fatemeh	57	No Disclosure
Massa, Mary	86	No Disclosure
Matsunaga, Kayoko	89	No Disclosure
Maytin, Edward	44	No Disclosure
McClaren, Marla	76	No Disclosure

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McDaniel, David	92, 17, 18	Received Grant Funding from BTL Aesthetics, Cynosure, Palomar, Ulthera; Received Equipment from BTL Aesthetics, Cynosure, Palomar; Received Discount from Cutera, Cynosure, Palomar; Received Consulting fees from BTL Aesthetics, Cynosure; Travel Expenses paid by BTL Aesthetics; Received Honoraria for educational services from Allergan, SkinCeuticals; Holds Ownership Interest with LifeSpan Extension; Holds Intellectual Property Rights with LifeSpan Extension, Palomar; Served on Advisory Board for Allergan, BTL Aesthetics, Cynosure; Served as Officer or Director Institute of Anti-Aging Research
McDermott, Laura	18, 41	Travel Expenses paid by, Received Salary from and Holds Ownership Interest with DermaSweep
Meesters, Arne	48, 90	No Disclosure
Mekas, Maria	18	No Disclosure
Menezes, Honorio	76	No Disclosure
Merigo, Elisabetta	58, 83	No Disclosure
Mervak, Julie	99	No Disclosure
Mesquita-Ferrari, Raquel	54, 58, 78	No Disclosure
Mignon, Charles-Antoine	98	Received Grant Funding from European Funding; Received Equipment, Travel Expenses paid by and Received Salary from Philips
Mikulski, Lynn	51	No Disclosure
Milanic, Matija	52, 79	No Disclosure
Milner, Thomas	92	Received Grant Funding from Clayton Research Foundation, CPRIT (Cancer Prevention and Research Institute of Texas); Received Consulting fees from National Institutes of Health; Travel Expenses paid by University of Texas - Austin; Received Honoraria or gifts for educational services from NIH Grant Review; Received Royalties from and Holds Intellectual Property Rights with University of California - Irvine, University of Texas - Austin; Holds Ownership Interest with Dermalucent, Insight Photonics Solutions; Served on Advisory Board for Insight Photonic Solutions
Milster, Tom	50	Received Grant Funding from DOD, NSF, II - VI Foundation; Received Equipment from DOD; Received Consulting fees from various legal consulting and engineering jobs
Mishra, Vineet	74	No Disclosure
Miyata, Nariaki	51	Received Consulting fees from and Served on Advisory Board for Absolute Co.
Mizuno, Hiroshi	51	No Disclosure
Mogensen, Mette	90	No Disclosure
Mohammadi Shayan, Arman	54, 56	No Disclosure
Monte, Bruna	93	No Disclosure

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Moraes, Marcia	57	No Disclosure
Mordon, Serge	60, 84, 87, 127	No Disclosure
Morrison, Andrea	17, 18	Received Salary From and Served as Officer or Director BTL Industries
Mortezai, Omid	57	No Disclosure
Morton, Laurel	13, 72	No Disclosure
Mota, Ana Carolina	58	No Disclosure
Moy, Ronald	76	No Disclosure
Mraz Robinson, Deanne	13, 36, 87	Received Grant Funding and Equipment from Cynosure, ThermiAesthetics; Received Discount from ThermiAesthetics; Received Consulting fees from Paradigm Medical, Ulthera/Merz; Travel Expenses paid by Paradigm Medical; Served on Advisory Board for ThermiAesthetics; Served on Promotional Speakers Bureau for Paradigm Medical
Munavalli, Girish	13, 32, 33, 38, 48, 76	No Disclosure
Nadora, Dawnica	51	No Disclosure
Nagarajan, Vivek Krishna	95	No Disclosure
Naheedy, John	99	No Disclosure
Narurkar, Victor	88	Received Grant Funding from Allergan, Alphaeon, Merz, Polyremedy, Revance, Solta/Valeant, Syneron-Candela; Served on Advisory Board for Allergan, Clarisonic, Galderma, SkinCeuticals, Skinmedica, Valeant
Nash, J. F.	78	No Disclosure
Nawrocka, Agnieszka	48	No Disclosure
Neel, Victor	94, 125	No Disclosure
Negishi, Kei	15, 89	Received Grant Funding from Cutera, Shiseido; Received Equipment from Altek, Asclepion, Cutera, Cynosure, Sciton; Received Discount from Lumenis; Received Honoraria for educational services from Cutera, Cynosure, Sciton
Nelson, J. Stuart	11, 12, 51, 52, 70, 71, 79, 121, 127, 128, 129	Received Grant Funding from National Institutes of Health, Pfizer/Wyeth, Syneron-Candela; Received Equipment from Syneron-Candela; Travel Expenses paid by Syneron-Candela; Received Royalties from University of California; Received Honoraria for educational services from Syneron-Candela; Holds Intellectual Property Rights with Cool Touch (New Star), Syneron-Candela
Nemergut, Michael	39, 40	No Disclosure
Ng, Elise	89, 123	No Disclosure
Ngo, William	50, 79	No Disclosure
Nguyen, John	95	No Disclosure
Nguyen, Tuyet Ann	99	No Disclosure
Nicholson, Andrew	85	No Disclosure
Nipper, Joshua	76	No Disclosure

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Nishimura, Nozomi	2, 8, 62, 63	No Disclosure
Noda, Jessica	93	No Disclosure
Nour, Sherif	85	Received Consulting fees, Travel Expenses paid by, and Served on Advisory Board for Guerbet; Received Honoraria from MD Anderson Medical Center
Nuijs, Tom	98	Received Salary from Royal Philips
Obagi, Suzan	96	Served on the Advisory Board for Valeant
O'Connor, Maggie	95	Pending
Ogden, Neil	76	No Disclosure
O'Hagan, Marian	17, 18	Received Salary from and Holds Ownership Interest in Cynosure
Ojea, Aleksander Rodrigues	80, 124	No Disclosure
Oliveira, Daniele	93	No Disclosure
Olson, Susan	97	No Disclosure
Onwudiwe, Oge	77	No Disclosure
Orbuch, David	44, 77	No Disclosure
Ordaz, Josue	60, 124	No Disclosure
Ortega-Martinez, Antonio	79, 97	No Disclosure
Ortiz, Arisa	11, 12, 16	Received Equipment from BTL, Cutera, Invasix, Sciton, Solta, Zeltiq; Received Honoraria for educational services from Sciton; Holds Ownership Interests in the form of stock in Kythera
Osley, Katie	48	No Disclosure
Ostrowski, Rafael	76	Tria Beauty, Inc.
Owczarek, Witold	48	No Disclosure
Owens, Patricia	11, 12, 41, 62, 69	Received Consulting fees from Rockwell Laser Industry; Received Royalties from Cengage Malady; Received Honoraria for educational services from Cosmetic Bootcamp LLC for meeting design, Dermatology Nurses Association
Ozog, David	28, 29, 32, 33, 66	Received Equipment from Lumenis; Provisional Patent held on Laser assisted delivery of botulinum toxin
Paasch, Uwe	66, 90, 92	No Disclosure
Paithankar, Dilip	48	Travel Expenses paid by, Received Salary from, Holds Ownership Interest in and Served as Officer or Director for Sebacia
Palero, Jonathan	92	No Disclosure
Palm, Melanie	74	Received Discount from Lutronic; Received Honoraria for educational services from BTL, Lumenis; Served on Advisory Board for Lutronic; Served on Promotional Speakers Bureau for BTL, Lumenis, Lutronic, Syneron
Paluchowska, Elwira	48	No Disclosure

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Panchal, Ripul	92	Received Grant Funding from Globus - Research support to the University
Panchaprateep, Ratchathorn	48	No Disclosure
Pasotti, Piergiorgio	58	No Disclosure
Patel, Tapan	28	No Disclosure
Paul, Akshay	92	No Disclosure
Pedram, Mir Sepehr	54, 56, 57	No Disclosure
Peng, Hao	86	No Disclosure
Pereira, Max	53	No Disclosure
Petersen, Marta	97	No Disclosure
Petro, Jane	28	Received Grant Funding from Cutera; Received Equipment from loaned from Cutera, Cynosure, Sciton; Received Honoraria for educational services from Cynosure, Sciton
Phan, Sydney	51	No Disclosure
Philipsen, Peter	47, 78	No Disclosure
Pinto, Nathali	54, 80	No Disclosure
Pirowska, Magdalena	48	Received Equipment and Salary from, Travel Expenses paid by Sebacia
Podolec, Katarzyna	48	Received Equipment and Salary from Sebacia
Polder, Kristel	88	Received Equipment and Discount from and Travel Expenses paid by Valeant
Poli, Federica	58	No Disclosure
Pollard, Leslie	69	No Disclosure
Polonelli, Luciano	83	No Disclosure
Poorsattar Bejeh Mir, Arash	57	No Disclosure
Powell, Tracy	85	No Disclosure
Pozner, Jason	65, 78, 119	Received Equipment from Alma, Apollo, Bella Contour, Canfield, Cutera, Cynosure, Deka, Exilis, Lutronic, Oculoplastic, Sciton, Serene, Syneron, Thermi, Zimmer; Received Discount from Alma, Cynosure, Ellman, Invasix, RA Medical, Syneron, Ulthera, Zeltiq; Received Honoraria for educational services from Cynosure, Sciton, Syneron, Thermi, Zeltiq; Holds Ownership Interest in Sciton, Thermi; Served on Advisory Board of Merz, Syneron, Valeant, Zeltiq; Served on Promotional Speakers Bureau for Cynosure, Sciton, Syneron, Ulthera
Pratavieira, Sebastião	61	No Disclosure
Prates, Renato	58	No Disclosure
Prather, Heidi	49, 96	No Disclosure
Preciado, Salena	51	No Disclosure

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Pryor, Brian	53	Travel Expenses paid by, Received Salary from, Holds Ownership Interest in and Served as an Officer or Director for LiteCure
Purschke, Martin	51, 79	No Disclosure
Quinn, Annette	17	No Disclosure
Raafs, Bianca	98	No Disclosure
Rahman, Zakia	26, 76, 87, 98	Received Equipment from Lexington, Sciton, Tria; Received Consulting fees from Myoscience, Tria, Zeltiq; Travel Expenses paid by Tria
Rajadhyaksha, Milind	95, 97, 125	Holds Ownership Interest with Caliber Imaging and Diagnostics (formerly, Lucid Inc.)
Ramirez, Gabriel	85	No Disclosure
Regan, Caitlin	56	No Disclosure
Reich, Hilary	97	No Disclosure
Riegel, Ronald	72, 73	Holds Ownership Interest with American Institute of Medical Laser Applications; Served on Advisory Board for LiteCure
Riha, Margo	44	No Disclosure
Rivera, Katuska	85	No Disclosure
Rizvi, Imran	60	No Disclosure
Rodrigues, Joao Miguel	54	No Disclosure
Rohrer, Thomas	26, 87	Received Grant Funding from Allergan, Merz; Received Discount and Honoraria for educational services from, and Served on Advisory Board for Syneron-Candela
Rosenthal, Eben	59	Received Grant Funding from Li-Cor, NIH, Novadaq
Ross, Alonzo	94	No Disclosure
Ross, E. Victor	17, 24, 30, 32, 33, 70, 71, 75, 77, 87, 89, 99, 127, 128, 129	Received Grant Funding from Alma, Cutera, Cynosure, Lumenis, Syneron-Candela; Received Equipment from Cynosure; Received Discount from Alma; Received Consulting fees from Cynosure, Lumenis, Miramar Labs, Sebacia, Syneron-Candela, Ulthera; Travel Expenses paid by Alma, Cynosure, Cutera, Lumenis
Ross, Gerry	58	Received Honoraria for educational services from Zolar
Ross, Jr., Patrick	82	Received Grant Funding, Consulting fees, and Served on Advisory Board for Pinnacle Biologics
Ross, Nicholas	48	No Disclosure
Rossi, Anthony	87, 95, 96, 97, 98, 99, 100, 125, 139	Received Grant Funding from American Academy of Dermatology, A. Ward Memorial Grant; Received Consulting fees from Dynamed, Merz
Rubin, Iris	39, 40	No Disclosure
Rudnick, Ashley	47, 91	No Disclosure
Russe, Elisabeth	75	No Disclosure
Russe-Wilflingseder, Katharina	75	No Disclosure

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Rylander, Chris	50, 51, 52, 78, 79, 92, 93, 100, 137	Holds Ownership Interest and Intellectual Property Rights with Dermalucent LLC
Sachs, Frederick	55	Holds Ownership Interest in and Served as an Officer or Director for Tonus Therapeutics; Holds Intellectual Property Rights with SUNY
Sadeghi Ghuchani, Mostafa	54, 56	No Disclosure
Sadick, Neil	19, 68, 85	No Disclosure
Saedi, Nazanin	17, 18, 48, 62, 96, 99	Received Grant Funding and Equipment from Cynosure/Palomar
Sahni, Karan	79	No Disclosure
Sahu, Joya	48	No Disclosure
Saikaly, Valery	50, 79	No Disclosure
Sajjadi, Amir	94	No Disclosure
Sakamoto, Fernanda H.	22, 74	Received Consulting fees from Living Proof
Salma, Nunciada	95	No Disclosure
Saluja, Sandeep	97	No Disclosure
Samy, Nevien	44	No Disclosure
Sanches, Iris	54	No Disclosure
Santana, Cristiano	78	No Disclosure
Sasaki, Ryosuke	89	No Disclosure
Satava, Richard	2, 4, 8, 46	Received Grant Funding from Institute of Surgical Excellence; Received Consulting fees from CAMLS Simulation Center; Travel Expenses paid as part of expenses incurred from approximately 75 lectures at various conferences, workshops, societies, and universities; Received Honoraria for educational services from Bibb Medical Society, Mercer University; Holds Ownership Interest with InTouch Health, Inc.
Schaefer, Melanie	97	No Disclosure
Schalch, Tatiana	54	No Disclosure
Segreto, Roberto	53	No Disclosure
Selleri, Stefano	58	No Disclosure
Serrano, David	94	No Disclosure
Shams Ghafarrokh, Masoumeh	57	No Disclosure
Shanks, Steven	54, 80	Travel Expenses paid by, Received Salary from, Holds Ownership Interest and Intellectual Property Rights with and Served as Officer or Director for Erchonia
Shek, Samantha YN	89, 90	No Disclosure
Shen, Lingyue	86	No Disclosure
Shin, Daniel	44, 77	No Disclosure
Shucard, David	55	No Disclosure

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Shumaker, Peter	13, 28	No Disclosure
Shupp, Jeffrey	28, 29	No Disclosure
Shuter, David	85	Holds Ownership Interest and Intellectual Property Rights with and Served on Advisory Board for La Lumiere
Sierra, Heidi	97, 125	No Disclosure
Sierra, Rafael	78	No Disclosure
Silva, Bianca	54	No Disclosure
Silva, Daniela	78, 80	No Disclosure
Silva, Evela	55	No Disclosure
Silva, Gina	76	No Disclosure
Silverman, Phyllis	76	No Disclosure
Singh, Selina	90	No Disclosure
Sliney, David	68, 78	No Disclosure
Smalley, Penny	41, 69, 80	No Disclosure
Smith, Brian	92	No Disclosure
Smith, Zachary	92	No Disclosure
Smucler, Roman	58	No Disclosure
Sofen, Bryan	98	No Disclosure
Souza, Amanda	78	No Disclosure
Sozzi, Michele	58	No Disclosure
Spielholz, Neil	58	No Disclosure
Sprague, Rebecca	17, 41	Served on Advisory Board for DUSA, Galderma
Stankiewicz, Kelly	74	Received Consulting fees from Crown Labs, DUSA, Galderma, Valeant; Travel Expenses paid by SkinCeuticals; Received Honoraria from Cutera
Starr, Jon	76	Received Consulting fees from Tria
Stoll, Mary	17, 18, 100	Received Salary from and Holds Ownership Interest in Cynosure
Stout, Ashlyn	89	No Disclosure
Sujino, Toshio	51	No Disclosure
Summers, Erika	97	No Disclosure
Sun, Victor	51, 52, 79	No Disclosure
Sykes, Jonathan	75	Received Grant Funding from Kythera; Received Honoraria or gifts for educational services from Allergan; Served on the Advisory Board for Allergan, Galderma
Szeimies, Rolf-Markus	43	No Disclosure
Taghiyar, Leila	54, 56	No Disclosure
Tan, Wenbin	51, 79	No Disclosure
Tandon, Shruti	58	No Disclosure

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Tang, Elieza	56	No Disclosure
Tanghetti, Emil	13, 32, 33, 77, 128, 138	Received Grant Funding from DUSA; Received Discount from Cynosure; Received Consulting fees from Allergan, Galderma, DUSA, Obagi; Served on Advisory Board for Cynosure, DUSA, Galderma
Tanzi, Elizabeth	32, 33, 38, 41, 49, 99, 120, 122	Received Equipment from BTL, Cutera, Cynosure/Palomar, Lumenis, Valeant/Solta; Received Consulting fees from Beirsdorf, Merz; Served on Advisory Board for Clarisonic, Miramar, Zalea, Zeltiq; Served on Promotional Speakers Bureau for SkinCeuticals
Tarzia, Olinda	58	No Disclosure
Taub, Amy	43	Received Grant Funding from Syneron; Received Equipment from Allergan, DUSA, Syneron; Received Discounts from DUSA, Syneron; Received Consulting fees and Salary from Allergan, DUSA; Travel Expenses paid by DUSA
Taudorf, Elizabeth Hjardem	47	No Disclosure
Temaat, Robbin	90	No Disclosure
Thaysen-Petersen, Daniel	78	No Disclosure
Thornton, Julie	98	No Disclosure
Tobin, Desmond	98	No Disclosure
Tomimura, Suely	54	No Disclosure
Town, Godfrey	69	Received Salary From CyDen, GCG Healthcare; Holds Ownership Interest with and Served as Officer or Director for GCG Healthcare; Served on Advisory Board for Reading Clinical Research
Trageser, Mary	49, 76	No Disclosure
Tran, Thanh-Nga	2, 6, 8, 45, 62	Received Grant Funding from 3M Foundation, ASDS, Dermatology Foundation, Eleanor and Miles Shore Fellowship, La Roche Posay, Massachusetts Biomedical Research Corporation Grant; Travel Expenses paid by ASLMS, French Society of Dermatology Fellowship, Global Health Travel Scholarship, World Congress of Dermatology Travel Grant; Served as Officer or Director for Vietman Vascular Anomolies Center
Tremaine, Anne Marie	16	No Disclosure
Tretti Clementoni, Matteo	26, 28, 29, 48	Received Grant Funding and Honoraria for educational services from Lumenis; Received Equipment from Lutronic; Received Discount from Quanta System; Received Consulting fees from and Travel Expenses paid by Galderma, Lumenis; Served on Advisory Board for Lumenis, Lutronic
Tromberg, Bruce	50	Received Grant Funding from Unilever; Received Equipment from Hamamatsu, JenLab; Received Salary from University of California regarding patents; Holds Ownership Interest with and Served on the Advisory Board for Modulated Imaging

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Tumilty, Steve	18, 53, 54, 55, 80, 81, 123, 139	Received Equipment from and Travel Expenses paid by LiteCure
Uitto, Jouni	48	No Disclosure
Uzunbajakava, Natallia Eduarda	98	Received Grant Funding from EU comission funded Marie Curie Actions Grant; Travel Expenses paid by, Received Salary from, and Holds Intellectual Property Rights with Philips Electronics Nederland B.V.
Vale, Katia	54	No Disclosure
Valencia, Amy	69	No Disclosure
van Vlimmeren, Marijke	98	No Disclosure
Vangipuram, Ramya	98	No Disclosure
Vargas, Gracie	62	No Disclosure
Varghese, Babu	92	Received Grant Funding, Equipment, and Salary from, Travel Expenses paid by, and Holds Intellectual Property Right with Philips
Vasily, David B.	49, 75	Received Grant Funding from Miramar; Received Equipment from Cutera, Lutronic, Miramar, Viora; Received Discount from Cutera, Lutronic; Holds Ownership Interest with Cynosure; Served on Advisory Board for BioLumenX; Served on Promotional Speakers Bureau for Cutera, Palomar
Verena, Quintana	93	No Disclosure
Verhagen, Rieko	92	Received Salary from Philips Research
Verma, Mahesh	58, 125	No Disclosure
Vidimos, Allison	44	Received Grant Funding from Genentech
Vidovic, Luka	79	No Disclosure
Viera, Martha	47	No Disclosure
Vu, Thinh	79	No Disclosure
Wachsmann-Hogiu, Sebastian	92	No Disclosure
Waibel, Jill	28, 29, 32, 33, 47, 66, 91, 100	Received Grant Funding in the form of Funded clinical trials from ALMA, Cutera, Harvest Technologies, Loreal/Skinceuticals, Lumenis, Lutronics, Sebacia, Syneron-Candela; Received Equipment from Harvest Technologies, Lutronics, Syneron-Candela; Holds Intellectual Property Rights with (co-inventor) University of Miami; Served on Advisory Board for Valeant; Served on Promotional Speakers Bureau for DUSA, Loreal/ Skinceuticals, Zeltiq
Walker, Jeffrey	96, 124	No Disclosure
Wallander, Irmina	76	No Disclosure
Wang, Frank	99	No Disclosure
Wang, Krystle	48	No Disclosure
Wang, Ruisheng	79	No Disclosure
Wang, Tianyi	50, 51, 52, 78, 79, 92, 137	No Disclosure

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Wang, Ying	97	No Disclosure
Wang, Yucheng	51	No Disclosure
Wanner, Molly	36	Received Consulting fees from and Served on Advisory Board for Nu Skin
Weiss, Elliot	28, 44, 49, 75, 77, 89, 123	No Disclosure
Weiss, Margaret	49, 76	Received Grant Funding from Allergan; Received Equipment from BTL, Palomar/Cynosure, Syneron; Received Consulting fees from Allergan, Galderma, Merz, Syneron, Ulthera; Received Honoraria from Allergan, BTL, Cutera, Fibrocell, Galderma, L'Oreal, Palomar/Cynosure, Syneron
Weiss, Robert	32, 33, 38, 49, 68, 70, 76, 87, 120, 128, 129	Received Grant Funding from Allergan, Cabochon, Cynosure/Palomar, Fibrocell, Galderma, Medicis, Merz, Revance, Sapheon; Received Equipment from BTL Industries, CoolTouch, Cynosure/Palomar, Syneron-Candela; Received Consulting fees from CoolTouch, Medicis; Travel Expenses paid by Allergan, BTL Industries, CoolTouch, Cutera, Cynosure/Palomar, Fibrocell, Galderma, Merz, Skinceuticals; Served on Advisory Board for Skinceuticals; Served on Promotional Speakers Bureau for Cynosure/Palomar
Welge, Weston	97	Received Salary from National Institutes of Health
Westgate, Gill	98	Received Consulting fees from Philips Electronics; Received Salary From and Served as Officer or Director Westgate Consultancy
White, Sean	56, 92, 95	No Disclosure
Wilder-Smith, Petra	50, 56, 62, 67, 79	No Disclosure
Wind, Bas S.	56, 92, 95	No Disclosure
Wink, Cherie	79	No Disclosure
Wolfsen, Herbert	82	No Disclosure
Wolkerstorfer, Albert	48, 90	No Disclosure
Woodward, Julie	65	Received Grant Funding from Elure/Syneron; Received Equipment from Lutronic; Received Discount from Merz, Skinceuticals; Received Consulting fees from Merz, Skinceuticals; Travel Expenses paid by Lutronic, Merz, Skinceuticals; Received Salary From and Served on Advisory Board for Merz, Skinceuticals
Wu, De-Feng	54	No Disclosure
Wu, Douglas	48	No Disclosure
Wu, Min	97	No Disclosure
Wu, Xingjia	53	Received Salary from LiteCure
Wulf, Hans C.	78	Received Grant Funding from Leo Pharma; Travel Expenses paid and Received Honoraria for educational services from Galderma
Xu, Nan	60	No Disclosure
Yadav, Neha	58	No Disclosure
Yaghmai, Dina	86	No Disclosure

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Yang, Bruce	56, 92, 95	No Disclosure
Yang, Owen	92	No Disclosure
Yang, Ya-Jun	55	No Disclosure
Yaroslavsky, Anna	94, 125	No Disclosure
Yassin, Ghada	44	No Disclosure
Yeung, C.K.	89, 90	No Disclosure
Yodh, A.G.	61	No Disclosure
Yu, Bing	95	No Disclosure
Zachary, Christopher	32, 50, 129	Received Equipment from Cynosure, Lutronic, Solta, Zimmer; Received Consulting fees from Cutera; Travel Expenses paid by Amgen, Zeltiq; Served on Advisory Board for Amgen, Arbonne, Cutera, Zeltiq
Zeitouny, Mounir	98	No Disclosure
Zelickson, Brian	13, 14, 16, 47, 75, 76, 97, 128	Received Grant Funding from Miramar, Newton Medical, Siena Lab, Zeltiq; Received Royalties from Alma, Syneron-Candela; Holds Ownership Interest with Newton Medical, Sienna Lab; Holds Intellectual Property Rights with Newton Medical; Served on Advisory Board for Syneron-Candela, Lumenis, Ulthera, Zeltiq
Ze Zell, Denise	50, 57	No Disclosure
Zhang, Quanguang	54, 97	No Disclosure
Zhao, JianXin	86	No Disclosure
Zhu, Hong	79	No Disclosure
Zhuang, Anne	99	No Disclosure
Zibert, John R.	91	No Disclosure
Zoccolillo, Michelle	51	No Disclosure



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Lasers in Surgery and Medicine Journal

Your membership entitles you to a **FREE** subscription to the scientific and clinical journal, *Lasers in Surgery and Medicine* - the official journal of the Society. Published and distributed to ASLMS members eleven times per year, the journal contains clinical studies, reviews and research reports about the latest findings and uses of lasers in all surgical and medical specialties.

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Preceptorship Program

The ASLMS Preceptorship Program provides a unique opportunity for ASLMS members who are early in their career to learn new techniques and perspectives in lasers and other energy based technologies, observe a successful practice in action and develop valuable career networks.

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Research Grants

ASLMS annually awards research projects designed to foster the development and use of lasers and other energy-based technologies in medical and surgical applications. In addition, as many as four student grants of \$5,000 each may be awarded each year.

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Student Board Positions

The ASLMS board welcomes the unique perspective residents and fellows can bring to the organization. Four Student Board Representative positions on the Board of Directors of ASLMS offer a practical non-profit, non-voting board leadership experience and opportunities to receive mentoring from established leaders. In addition, the individuals will inform the board and provide a student's perspective on issues impacting their education.

New Beginnings

Radiation Mark Removal Program



Over 140 board certified ASLMS members have volunteered to remove radiation marks (tattoos) absolutely free of charge for all types of cancer survivors so that they can have the new beginning they deserve.

Patients can easily find their nearest participating physician by using the locator service on our website, aslms.org, or by contacting the American Cancer Society.



Thank you!

To all the participants in the New Beginnings program for providing this valuable service!



Become a New Beginnings
participating physician

Contact information@aslms.org
or call 1-877-258-6028

Stay Connected at the Conference

Do you have a Facebook, LinkedIn, Google Plus, Twitter, YouTube or Pinterest account? If so, follow ASLMS today for up-to-date information on the conference and related news and services.

Feel free to spread the word to your friends and colleagues over your social media channels about the annual conference using the hashtag #Laser2015.

We are excited to have you join in the conversation!



MARK YOUR CALENDAR!

TWO CAN'T MISS EVENTS

Laser Aesthetics Course

Beckman Laser Institute
Irvine, California

November 14 - 15, 2015



36th ASLMS Annual Conference

Boston, Massachusetts

March 30 - April 3, 2016