

The premier
international
meeting in the field
of medical lasers
and energy-based
technologies.

Hilton Anatole Dallas

APR 11-12, 2018
Pre-Conference

APR 13-15, 2018
Conference

APR 13-14, 2018
Exhibits

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ASLMS 2018 CONFERENCE PROGRAM

*Complete Educational Information
Including: Courses, Workshops and
Sessions, plus Continuing Education*



38th ASLMS Annual Conference on
ENERGY-BASED MEDICINE & SCIENCE
April 11-15, 2018



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WELCOME!

On behalf of the 2018 Conference Planning Committee, it is our pleasure to welcome you to Dallas and the 38th Annual Conference of the American Society for Laser Medicine and Surgery! We invite you to learn, explore and connect with your peers during these exciting next few days.

ASLMS 2018 promises to be an outstanding program with new educational offerings including:

- » **Cutaneous Medical Applications for Lasers** Attendees will gain expert information on using lasers and light to treat scars, acne and skin cancers.
- » **Early and Late Intervention for Scarring** Dive deep into scar treatment. Physicians will learn various aspects of scar maturation, treatment and safety techniques. The latest advances in early intervention with scars will be explored.
- » **Scientific Basis of Devices on Women's Genitourinary Health** Learn, share and discuss the present and potential applications of lasers and energy-based devices in this area.
- » **Devices in Women's Genitourinary Health: Clinical Research and Current Trials** Attendees will learn the very latest on clinical trials underway for genitourinary applications of lasers and energy-based devices, plus an international update.
- » **Hanging Your Shingle - Practice Management Tips** Physicians at any career stage will learn tips on office design optimization, employee management, best practices in acquiring new lasers and technology, financial management and how to plan for future growth.

Our aim for the 2018 meeting is to provide a wider variety of learning options. Previous attendees have asked for more demonstrations and multi-media learning formats and we have several new offerings to meet these requests:

- » **Laser Learning Labs** Attendees will rotate through four demonstration booths to learn proper laser techniques related to vascular lasers, pigmented lesions, rejuvenation, and tattoos.
- » **Experts Video Session** Video endpoints will demonstrate optimized treatments, show new applications, approaches and safety techniques.
- » **ePoster Town Hall** Top-ranked ePosters will be presented live in the Exhibit Hall during lunch breaks.

We are excited to have Dan Harris as our keynote speaker this year. Dan is co-anchor of both *Nightline* and the weekend edition of *Good Morning America* on ABC News. He is also the author of *10% Happier*, a #1 *New York Times* best-selling book about a fidgety, skeptical news anchor who stumbles upon meditation. His perspective on meditation and mindfulness is guaranteed to be fascinating and beneficial for all of us.

If you have not already done so, please download the ASLMS 2018 mobile app. Access the full program agenda to build your personal conference calendar and so much more! Complete app details and instructions are in the Conference Guide, EXPLORE:CONNECT.

We know your schedule will be full but please take a minute to reflect on the unique aspects of the ASLMS Annual Conference and the Society as a whole. What distinguishes the ASLMS is that it is a multi-specialty society, driven by a common technology rather than a common specialty. While our interests may be diverse, we are unified by a passion for science and innovation that is translated from the lab to the clinic to directly impact patient care.

Thank you for joining us! We hope your time at ASLMS 2018 is enjoyable, stimulating and valuable.



Mathew M. Avram, MD, JD
ASLMS President



H. Ray Jalian, MD
ASLMS 2018 Co-Chair



Serge R. Mordon, PhD
ASLMS 2018 Co-Chair

● **Trinity Pre-Function**

ATTENDEE REGISTRATION

- » Wednesday, April 11 | 11:00 AM - 5:30 PM
- » Thursday, April 12 | 6:00 AM - 6:00 PM
- » Friday, April 13 | 6:00 AM - 7:30 PM
- » Saturday, April 14 | 6:00 AM - 7:00 PM
- » Sunday, April 15 | 7:00 AM - 11:30 AM

EXHIBITOR REGISTRATION

- » Wednesday, April 11 | 11:00 AM - 5:30 PM
- » Thursday, April 12 | 6:00 AM - 6:00 PM
- » Friday, April 13 | 6:00 AM - 7:30 PM
- » Saturday, April 14 | 6:00 AM - 7:00 PM

SELF-SERVE CME STATION

● **Peacock Terrace Foyer**

CONTINENTAL BREAKFAST

- » Thursday, April 12 | 7:00 AM - 8:00 AM
- » Friday, April 13 | 6:30 AM - 8:30 AM
- » Saturday, April 14 | 6:30 AM - 8:30 AM
- » Sunday, April 15 | 7:00 AM - 8:00 AM

Breakfast Sessions - Breakfast will be available in each course room.

● **Peacock Lobby**

SELF-SERVE CME STATION

● **Trinity Exhibit Hall**

EXHIBITS & EPOSTERS

- » Friday, April 13 | 9:00 AM - 5:30 PM
- » Saturday, April 14 | 9:00 AM - 7:00 PM

IN THE SPOTLIGHT

- » Friday, April 13 | 9:05 AM - 9:20 AM
- » Saturday, April 14 | 9:05 AM - 9:20 AM

EPOSTER TOWN HALL

- » Friday, April 13 | 12:15 PM - 1:15 PM
- » Saturday, April 14 | 12:15 PM - 1:15 PM

ASK ME ANYTHING

- » Friday, April 13 | 3:00 PM - 3:20 PM | Tina S. Alster, MD; Gary P. Lask, MD
- » Saturday, April 14 | 3:00 PM - 3:20 PM | Suzanne L. Kilmer, MD; E. Victor Ross, MD

EXHIBITOR RECEPTION

- » Saturday, April 14 | 5:30 PM - 7:00 PM

SILENT AUCTION

- » Friday, April 13 | 9:00 AM - 5:30 PM
- » Saturday, April 14 | 9:00 AM - 6:30 PM - Winners announced shortly after bidding closes

● **Wedgwood Ballroom**

WORKSHOPS, COURSES, & SESSIONS

● **Emerald, Sapphire, Topaz**

WORKSHOPS, COURSES, & SESSIONS

● **Coronado A, B, C & D | Cortez A, B, C & D**

WORKSHOPS, COURSES, & SESSIONS

● **DeSoto B**

SPEAKER READY ROOM

- » Wednesday, April 11 | 11:00 AM - 5:30 PM
- » Thursday, April 12 | 6:00 AM - 6:00 PM
- » Friday, April 13 | 6:00 AM - 7:30 PM
- » Saturday, April 14 | 6:00 AM - 5:30 PM
- » Sunday, April 15 | 7:00 AM - 11:30 AM

● **Park View - Verandah**

CELEBRATION OF ASLMS WOMEN IN ENERGY-BASED DEVICES

- » Thursday, April 12 | 5:30 PM - 7:30 PM

EARLY CAREER RECEPTION

- » Saturday, April 14 | 7:30 PM - 9:00 PM

● **Trinity Ballroom**

COMPLICATIONS, LEGAL ISSUES AND LASER SAFETY

- » Friday, April 13 | 7:00 AM - 9:00 AM

PLENARY SESSION

- » Friday, April 13 | 10:30 AM - 12:00 PM

ASLMS BUSINESS MEETING (MEMBERS ONLY)

- » Friday, April 13 | 12:00 PM - 12:30 PM

CUTANEOUS APPLICATIONS - CUTANEOUS

- » Friday, April 13 | 9:30 AM - 10:20 AM, 1:30 PM - 2:45 PM, 3:30 PM - 5:30 PM
- » Saturday, April 14 | 1:30 PM - 2:45 PM, 3:30 PM - 5:30 PM
- » Sunday, April 15 | 8:30 AM - 10:00 AM

TECH CONNECT

- » Friday, April 13 | 5:30 PM - 7:30 PM

PERIORBITAL THERAPIES AND REJUVENATION

- » Saturday, April 14 | 7:00 AM - 9:00 AM

MAGIC WAND: LAB TO CLINIC PROBLEM SOLVING

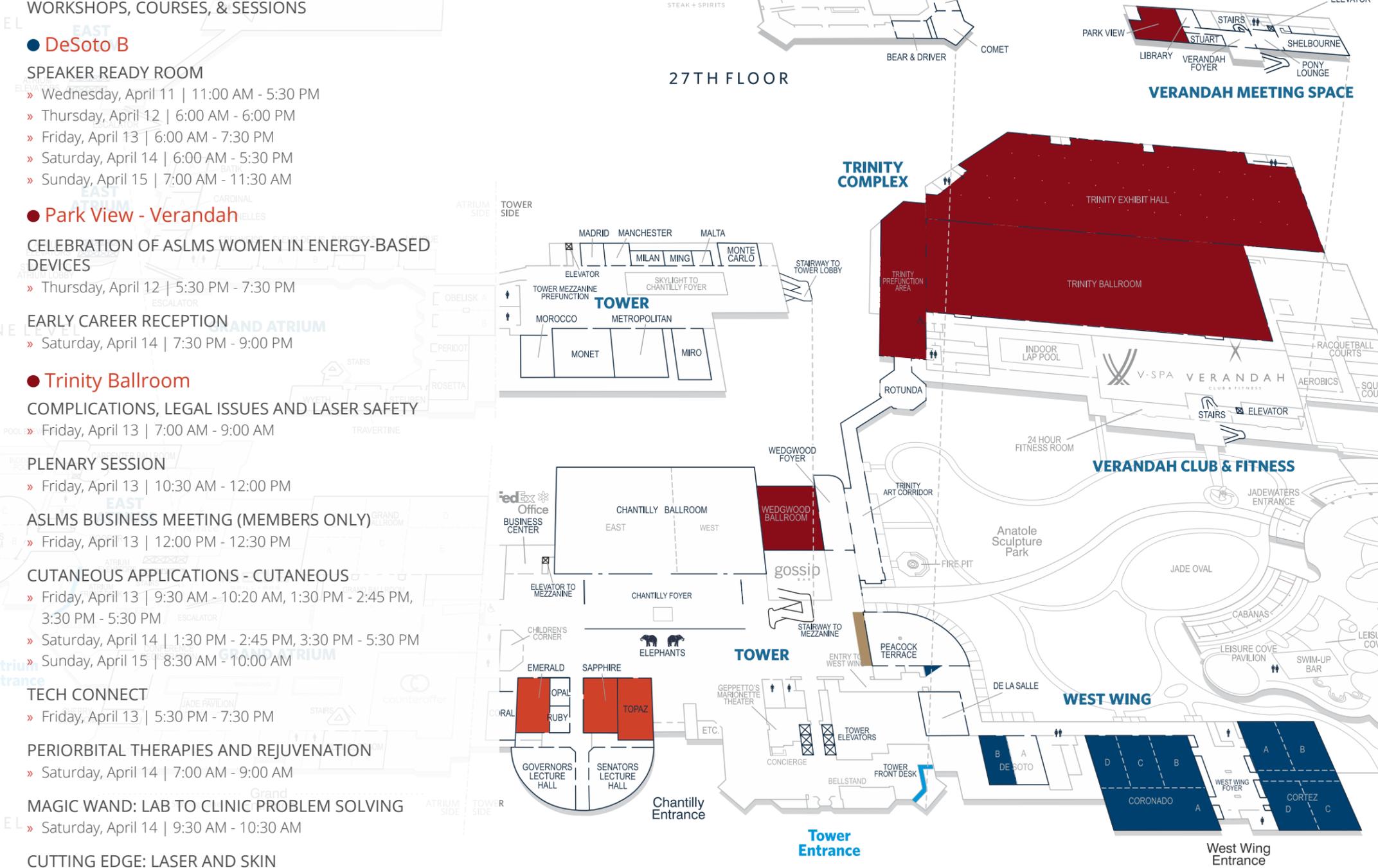
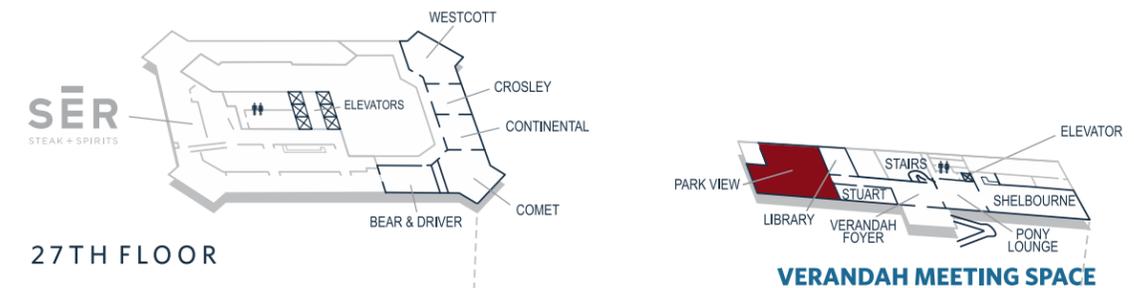
- » Saturday, April 14 | 9:30 AM - 10:30 AM

CUTTING EDGE: LASER AND SKIN

- » Saturday, April 14 | 10:30 AM - 12:00 PM

EXPERTS VIDEO SESSION/CONFERENCE HIGHLIGHTS

- » Sunday, April 15 | 10:00 AM - 11:30 AM



WEDNESDAY, APRIL 11			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration/Exhibitor Registration		11:00 AM - 5:30 PM	Trinity Pre-Function
Speaker Ready Room		11:00 AM - 5:30 PM	DeSoto B
Exhibit Hall		CLOSED	
\$ COURSE			
Fundamentals of Lasers in Health Care (<i>half-day</i>)	Henry H.L. Chan, MD, PhD, FRCP; Paul M. Friedman, MD	1:30 PM - 5:30 PM	Wedgwood Ballroom

THURSDAY, APRIL 12			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration/Exhibitor Registration		6:00 AM - 6:00 PM	Trinity Pre-Function
Speaker Ready Room		6:00 AM - 6:00 PM	DeSoto B
Continental Breakfast (<i>complimentary</i>)		7:00 AM - 8:00 AM	Peacock Terrace Foyer
Exhibit Hall		CLOSED	

\$ BREAKFAST SESSIONS (<i>breakfast served in the room</i>)			
Device-Assisted Hair Restoration and Removal	Marc R. Avram, MD	7:00 AM - 8:00 AM	Cortez C
New Treatments for Tackling Scars	Jill S. Waibel, MD	7:00 AM - 8:00 AM	Cortez D
Optimizing Patient Experience	Ashish C. Bhatia, MD, FAAD	7:00 AM - 8:00 AM	Topaz
State-of-the-Art in Tattoo Treatment	H. Ray Jalian, MD	7:00 AM - 8:00 AM	Sapphire
Treatments for Vascular Lesions	Zeina S. Tannous, MD	7:00 AM - 8:00 AM	Emerald

\$ FULL-DAY & MORNING COURSES			
Nursing/Allied Health (<i>full-day</i>)	John E. Hoopman, CMLSO; Rebecca L. Sprague, RN, NP-C	8:00 AM - 5:00 PM	Coronado BCD
Resurfacing, Rejuvenation and Recontouring	Roy G. Geronemus, MD; Jason N. Pozner, MD	8:00 AM - 10:00 AM	Coronado A
Expert Treatment Approaches	Kenneth A. Arndt, MD; Nazanin Saedi, MD	8:00 AM - 12:00 PM	Wedgwood Ballroom
Pediatric Laser Focus	R. Rox Anderson, MD; Kristen M. Kelly, MD	10:15 AM - 12:15 PM	Coronado A
Lunch Break (<i>on your own</i>)		12:00 PM - 1:30 PM	

\$ LUNCHEON SESSIONS (<i>lunch served in the room</i>)			
NEW Cutaneous Medical Applications for Lasers	Keyvan Nouri, MD	12:15 PM - 1:15 PM	Cortez C
Fully Ablative and Fractional Resurfacing	Suzanne L. Kilmer, MD	12:15 PM - 1:15 PM	Cortez D
Laser Assisted Drug Delivery	Merete Haedersdal, MD, PhD, DMSc	12:15 PM - 1:15 PM	Topaz
Neck Rejuvenation	Elizabeth L. Tanzi, MD	12:15 PM - 1:15 PM	Sapphire
Our Favorite Laser Pearls	Christine C. Dierickx, MD; E. Victor Ross, MD	12:15 PM - 1:15 PM	Emerald

\$ AFTERNOON COURSES			
NEW Laser Learning Lab: Opportunities for Hands-On Laser Use through Case Study Analyses - Session #1 (<i>limited seating</i>)	Kachiu C. Lee, MD; Kelly J. Stankiewicz, MD, FAAD	1:30 PM - 3:15 PM	Cortez AB
Optimizing Outcomes: Combining Injectables/Topicals with Lasers and Energy-Based Devices	Jean D. Carruthers, MD, FRCS; Jeremy B. Green, MD	1:30 PM - 3:30 PM	Coronado A
NEW Laser Learning Lab: Opportunities for Hands-On Laser Use through Case Study Analyses - Session #2 (<i>same content as Session #1, limited seating</i>)	Kachiu C. Lee, MD; Kelly J. Stankiewicz, MD, FAAD	3:30 PM - 5:15 PM	Cortez AB
NEW Early and Late Intervention for Scarring	Nathan Uebelhoer, DO	3:30 PM - 5:30 PM	Coronado A

FEATURE EVENING EVENT (<i>non-CME</i>)			
Celebration of Women in Energy-Based Devices (<i>complimentary light hors d'oeuvres and bar/beverages</i>)		5:30 PM - 7:30 PM	Parkview - Verandah

FRIDAY, APRIL 13			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration/Exhibitor Registration		6:00 AM - 7:30 PM	Trinity Pre-Function
Speaker Ready Room		6:00 AM - 7:30 PM	DeSoto B
Continental Breakfast (<i>complimentary</i>)		6:30 AM - 8:30 AM	Peacock Terrace Foyer
Exhibit Hall/Silent Auction Bidding Open		9:00 AM - 5:30 PM	Trinity Exhibit Hall

Schedule and rooms subject to change without notice | \$ Fee required to attend

FRIDAY, APRIL 13			
MORNING WORKSHOPS			
Complications, Legal Issues and Laser Safety	Eric F. Bernstein, MD, MSE; David J. Goldberg, MD, JD	7:00 AM - 9:00 AM	Trinity Ballroom
NEW Hanging Your Shingle: Practice Management Tips	Tina S. Alster, MD; Anne Chapas, MD	7:00 AM - 9:00 AM	Cortez AB
Laser Treatments for Skin of Color	Andrew F. Alexis, MD; Henry H.L. Chan, MD, PhD, FRCP	7:00 AM - 9:00 AM	Coronado A
NEW Scientific Basis of Devices on Women's Genitourinary Health	Adrian Gaspar, MD; Cheryl B. Iglesia, MD	7:00 AM - 9:00 AM	Wedgwood Ballroom
Treatments and Imaging for Skin Cancer	Arisa E. Ortiz, MD; Benjamin J. Vakoc, PhD	7:00 AM - 9:00 AM	Coronado BCD

MEETING			
ANSI Safety Meeting (<i>all invited to attend</i>)		8:00 AM - 9:00 AM	Topaz
Morning Break - View ePosters/Visit Exhibits		9:00 AM - 9:30 AM	Trinity Exhibit Hall

FEATURE EVENT			
In the Spotlight Exhibitor Presentation		9:05 AM - 9:20 AM	Trinity Exhibit Hall

MORNING ABSTRACT SESSIONS			
Basic Science and Translational Research	Bernard Choi, PhD; Gracie Vargas, PhD	9:30 AM - 10:20 AM	Cortez CD
Clinical Applications - Cutaneous	Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD	9:30 AM - 10:20 AM	Trinity Ballroom

PLENARY SESSION			
Welcome and Introduction/Keynote Speaker/Presidential Address and Citations/Honorary Awards/Abstract Session Awards		10:30 AM - 12:00 PM	Trinity Ballroom

MEETING			
ASLMS Business Meeting (<i>all ASLMS members invited</i>)		12:00 PM - 12:30 PM	Trinity Ballroom
NEW ESLD - Special Luncheon Meeting - Multiple Facets of Long-pulsed Nd:YAG Laser: Optimizing Clinical Settings and Outcomes (<i>non-CME</i>)	Ashraf Badawi, MD, PhD; Hans-Joachim Laubach, MD	12:00 PM - 1:30 PM	Topaz
Lunch Break - View ePosters/Visit Exhibits (<i>cash lunch in exhibit hall</i>)		12:00 PM - 1:30 PM	Trinity Exhibit Hall

SPECIAL SESSION (<i>CME</i>)			
NEW ePoster Town Hall	Emil A. Tanghetti, MD; Murad Alam, MD, MSCI, MBA	12:15 PM - 1:15 PM	Trinity Exhibit Hall

AFTERNOON ABSTRACT SESSIONS			
Basic Science and Translational Research	Bernard Choi, PhD; Gracie Vargas, PhD	1:30 PM - 2:45 PM	Cortez CD
Clinical Applications - Cutaneous	Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD	1:30 PM - 2:45 PM	Trinity Ballroom
Clinical Applications - Gynecologic/Women's Health	Oscar A. Aguirre, MD, FACOG, FPMRPS; Yona Tadir, MD	1:30 PM - 2:45 PM	Wedgwood Ballroom
Clinical Applications - Multi-Specialty	Raymond J. Lanzafame, MD, MBA, FACS; Praveen Arany, DDS, MDS, MMSc, PhD	1:30 PM - 2:45 PM	Cortez AB
Afternoon Break - View ePosters/Visit Exhibits		2:45 PM - 3:30 PM	Trinity Exhibit Hall

FEATURE EVENT (<i>non-CME</i>)			
Ask Me Anything	Tina S. Alster, MD; Gary P. Lask, MD	3:00 PM - 3:20 PM	Trinity Exhibit Hall

AFTERNOON ABSTRACT SESSIONS			
Basic Science and Translational Research	Bernard Choi, PhD; Gracie Vargas, PhD	3:30 PM - 5:30 PM	Cortez CD
Clinical Applications - Cutaneous	Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD	3:30 PM - 5:30 PM	Trinity Ballroom
Clinical Applications - Gynecologic/Women's Health	Oscar A. Aguirre, MD, FACOG, FPMRPS; Yona Tadir, MD	3:30 PM - 5:30 PM	Wedgwood Ballroom

FEATURE EVENING EVENT (<i>non-CME</i>)			
Tech Connect (<i>complimentary light hors d'oeuvres and non-alcoholic beverages/cash-bar</i>)	Roy G. Geronemus, MD; Christopher B. Zachary, MBBS, FRCP	5:30 PM - 7:30 PM	Trinity Ballroom

Schedule and rooms subject to change without notice | \$ Fee required to attend

SATURDAY, APRIL 14			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration/Exhibitor Registration		6:00 AM - 7:00 PM	Trinity Pre-Function
Speaker Ready Room		6:00 AM - 5:30 PM	DeSoto B
Continental Breakfast (<i>complimentary</i>)		6:30 AM - 8:30 AM	Peacock Terrace Foyer
Exhibit Hall		9:00 AM - 7:00 PM	Trinity Exhibit Hall
Silent Auction Bidding Open		9:00 AM - 6:30 PM	Trinity Exhibit Hall
MORNING WORKSHOPS			
Basic Mechanisms of Photobiomodulation	Juanita J. Anders, PhD; Raymond J. Lanzafame, MD, MBA, FACS	7:00 AM - 9:00 AM	Cortez AB
NEW Devices in Women's Genitourinary Health: Clinical Research and Current Trials	Macrene Alexiades, MD, PhD; Nathan Guerette, MD, FPMRS, FACOG	7:00 AM - 9:00 AM	Wedgwood Ballroom
Laser and Energy-Based Treatments for Leg Veins	Neil S. Sadick, MD; Robert A. Weiss, MD, FAAD	7:00 AM - 9:00 AM	Cortez CD
Laser Safety in the Practice Environment	Patricia A. Owens, RN, MHA, CMLSO, CNOR; Molly Wanner, MD, MBA	7:00 AM - 9:00 AM	Coronado BCD
Non-Invasive Body Contouring	Mathew M. Avram, MD, JD; A. Jay Burns, MD	7:00 AM - 9:00 AM	Coronado A
Periorbital Therapies and Rejuvenation	Brian S. Biesman, MD; Michael H. Gold, MD	7:00 AM - 9:00 AM	Trinity Ballroom
Morning Break - View ePosters/Visit Exhibit Hall		9:00 AM - 9:30 AM	Trinity Exhibit Hall
FEATURE EVENT			
In the Spotlight Exhibitor Presentation		9:05 AM - 9:20 AM	Trinity Exhibit Hall
SPECIAL SESSIONS (CME)			
Magic Wand: Lab to Clinic Problem Solving	R. Rox Anderson, MD; Lilit Garibyan, MD, PhD	9:30 AM - 10:30 AM	Trinity Ballroom
Cutting Edge: Laser and Skin	Mathew M. Avram, MD, JD; J. Stuart Nelson, MD, PhD	10:30 AM - 12:00 PM	Trinity Ballroom
Lunch Break - View ePosters/Visit Exhibits (<i>cash lunch in exhibit hall</i>)		12:00 PM - 1:30 PM	Trinity Exhibit Hall
SPECIAL SESSIONS (CME)			
NEW ePoster Town Hall	Emil A. Tanghetti, MD; Murad Alam, MD, MSCI, MBA	12:15 PM - 1:15 PM	Trinity Exhibit Hall
Early Career Clinical Pearls	Daniel P. Friedmann, MD; Anthony M. Rossi, MD, FAAD	1:30 PM - 5:30 PM	Coronado A
AFTERNOON ABSTRACT SESSIONS			
Basic Science and Translational Research	Bernard Choi, PhD; Gracie Vargas, PhD	1:30 PM - 2:45 PM	Cortez CD
Clinical Applications - Cutaneous	Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD	1:30 PM - 2:45 PM	Trinity Ballroom
Clinical Applications - Gynecologic/Women's Health	Oscar A. Aguirre, MD, FACOG, FPMRPS; Yona Tadir, MD	1:30 PM - 2:45 PM	Wedgwood Ballroom
Clinical Applications - Multi-Specialty	Raymond J. Lanzafame, MD, MBA, FACS; Praveen Arany, MD, MDS, MMSc, PhD	1:30 PM - 2:45 PM	Cortez AB
Afternoon Break - View ePosters/Visit Exhibits		2:45 PM - 3:30 PM	Trinity Exhibit Hall
FEATURE EVENT (non-CME)			
Ask Me Anything	Suzanne L. Kilmer, MD; E. Victor Ross, MD	3:00 PM - 3:20 PM	Trinity Exhibit Hall
AFTERNOON ABSTRACT SESSIONS			
Basic Science and Translational Research	Bernard Choi, PhD; Gracie Vargas, PhD	3:30 PM - 5:30 PM	Cortez CD
Clinical Applications - Cutaneous	Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD	3:30 PM - 5:30 PM	Trinity Ballroom
Clinical Applications - Gynecologic/Women's Health	Oscar A. Aguirre, MD, FACOG, FPMRPS; Yona Tadir, MD	3:30 PM - 5:30 PM	Wedgwood Ballroom
FEATURE EVENING EVENTS (non-CME)			
Exhibitor Reception/Silent Auction		5:30 PM - 7:00 PM	Trinity Exhibit Hall
Early Career Reception		7:30 PM - 9:00 PM	Parkview - Verandah

Schedule and rooms subject to change without notice | \$ Fee required to attend

SUNDAY, APRIL 15			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration		7:00 AM - 11:30 AM	Trinity Pre-Function
Speaker Ready Room		7:00 AM - 11:30 AM	DeSoto B
Continental Breakfast (<i>complimentary</i>)		7:00 AM - 8:00 AM	Peacock Terrace Foyer
Exhibitor Registration/Exhibit Hall		CLOSED	
ABSTRACT SESSIONS			
Basic Science and Translational Research	Bernard Choi, PhD; Gracie Vargas, PhD	8:00 AM - 10:00 AM	Cortez CD
Early Career Clinical and Scientific	Catherine M. DiGiorgio, MD; Andres M. Erlendsson, MD, PhD; Thomas E. Rohrer, MD	8:00 AM - 10:00 AM	Cortez AB
Clinical Applications - Cutaneous	Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD	8:30 AM - 10:00 AM	Trinity Ballroom
SPECIAL SESSION (CME)			
NEW Experts Video Session/Conference Highlights	Gerald N. Goldberg, MD; Girish S. Munavalli, MD, MHS / H. Ray Jalian, MD; Serge Mordon, PhD	10:00 AM - 11:30 AM	Trinity Ballroom

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

Select pre-conference and conference educational activities have been approved for *AMA PRA Category 1 Credit™*.

Schedule and rooms subject to change without notice | \$ Fee required to attend

Session Highlight

Plenary Session

Friday, April 13 | 10:30 AM - 12:00 PM | Trinity Ballroom

Join Mathew M. Avram, MD, JD, current ASLMS President, for a conference welcome and presidential address, introduction of the Program Chairs, presidential citations and award presentations.



KEYNOTE SPEAKER - DAN HARRIS

Award-winning ABC News Anchor and #1 New York Times Bestselling Author

Dan Harris is co-anchor of both Nightline and the weekend edition of Good Morning America on ABC News. He is also the author of *10% Happier*, a #1 New York Times best-selling book about a fidgety, skeptical news anchor who stumbles upon meditation. Since releasing the book, Harris has also launched *10% Happier: Meditation for Fidgety Skeptics* app, as well as the *10% Happier* podcast. The app mixes the irreverence of the book with simple, practical, down-to-earth instructions for meditation. This ancient practice – too long associated exclusively with hippies and robed gurus – has been shown

by modern science to boost resilience, focus, creativity, emotional intelligence, and overall mental and physical health. With meditation and mindfulness now being embraced by executives, athletes, educators and entertainers, Harris has become a leading voice for pushing for the practice into the mainstream, using plain English and dry humor.

In the Exhibit Hall

ePosters

Friday, April 13 | 9:00 AM - 5:30 PM

Saturday, April 14 | 9:00 AM - 7:00 PM

Visit viewing stations to search and view ePosters by author, title, or topic category. CME credits available!

In the Spotlight

Friday, April 13 | 9:05 AM - 9:20 AM | eRelevance Corp.

Saturday, April 14 | 9:05 AM - 9:20 AM | Aesthetics Biomedical Inc.

Attend one of the 15-minute exhibitor presentations/question and answer sessions to gather product “how to” information from industry leaders and experts.

ePoster Town Hall

Friday, April 13 | 12:15 PM - 1:15 PM

Saturday, April 14 | 12:15 PM - 1:15 PM

Special CME session in which the top-ranked ePosters will be presented live, followed by an opportunity for audience Q&A.

Ask Me Anything

Friday, April 13 | 3:00 PM - 3:20 PM | Trinity Exhibit Hall | Tina S. Alster, MD; Gary P. Lask, MD

Saturday, April 14 | 3:00 PM - 3:20 PM | Trinity Exhibit Hall | Suzanne L. Kilmer, MD; E. Victor Ross, MD

Listen to and participate in an energetic open questions/answers discussion. Inquiries to the session hosts may focus on devices, clinical approaches, and personal recommendations for practice.

Evening Events

Celebration of ASLMS Women in Energy-Based Devices

Thursday, April 12 | 5:30 PM - 7:30 PM | Park View - Verandah | Event and award sponsored by Solta Medical

An evening of networking and inspiration, with a focus on women from all specialties involved in ASLMS, which includes scientists, clinicians, allied health practitioners and women in the energy-based device industry. The non-CME celebration will highlight featured speaker Merete Haedersdal, MD, PhD, DMSc; an expert panel offering industry, scientific and clinical perspectives; and the presentation of the ASLMS Leadership, Mentorship & Public Advocacy for Women in Medical Science award to Tina S. Alster, MD. Attendees can enjoy complimentary light hors d'oeuvres, beverages, and networking with peers and luminaries.

Tech Connect

Friday, April 13 | 5:30 PM - 7:30 PM | Trinity Ballroom | Sponsored by Aerolase Corporation, Pulse Biosciences, Solta Medical, Syneron Candela, and Thermi, an Almirall Company

This interactive non-CME session will feature a group of experts each discussing their personal procedural and device preference, what works and how/why devices/techniques are used.

Exhibitor Reception/Silent Auction

Saturday, April 14 | 5:30 PM - 7:00 PM | Trinity Exhibit Hall

Come grab a bite to eat and a beverage. It's your last opportunity to visit the exhibit booths and mingle with the exhibitors before they close and head home.

In addition to the Exhibitor Reception, ASLMS will host its 13th Annual Silent Auction to support research grants. Stop by for your last chance to bid on some fantastic items. Bidding closes at 6:30 PM followed by announcement of the winners.

Early Career Reception

Saturday, April 14 | 7:30 PM - 9:00 PM | Park View - Verandah

This special reception offers our students and early career attendees the opportunity to network and build professional relationships with colleagues. The reception is open to all students, residents, fellows-in-training, PhD candidates, and scientists and physicians 10 years or less post-graduation. Attendees can enjoy complimentary light hors d'oeuvres and beverages, and share excellent conversation with peers.



More information about these activities and much more can be found in the Conference Guide, **EXPLORE:CONNECT**, which features exhibit hall happenings, evening events, speakers, and awards.

Don't forget to download the ASLMS mobile app. Complete instructions are in **EXPLORE:CONNECT**.

Fundamentals of Lasers in Health Care - Course

Wednesday, April 11 | 1:30 PM - 5:30 PM | Room: Wedgwood Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 3.75 MAX | CE CONTACT HOURS: 4.2 MAX

Participants Any physician or clinician who currently is using or investigating using lasers in their practice.

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

Educational Needs/Expected Learning Objectives

- » Understand the biophysics pertinent to the application of lasers and energy-based devices and will be prepared to apply this same understanding related to the provision of patient care.
- » Understand the interaction and implications of using lasers and energy-based devices on human tissues and be capable of using this knowledge in the provision of patient care.
- » To select the appropriate lasers or energy-based devices in different clinical settings including treatment of pigment, vascular disorders, skin rejuvenation and body contouring.
- » To learn the appropriate clinical endpoints in the use of lasers and energy-based devices for the treatment of a wide range of clinical conditions.
- » Understand the safety risks to providers and patients associated with the use of lasers and energy-based devices, and understand and be capable of using this knowledge to practice the safety necessary to provide a safe environment for all providers and patients.

Director(s) Henry H.L. Chan, MD, PhD, FRCP; Paul M. Friedman, MD

Faculty Mathew M. Avram, MD, JD; Eric F. Bernstein, MD, MSE; Arielle N. Kauvar, MD; Kristen M. Kelly, MD; J. Stuart Nelson, MD, PhD; Arisa E. Ortiz, MD; Fernanda H. Sakamoto, MD, PhD; Robert A. Weiss, MD, FAAD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:34 PM	Introduction and Pre-Test - Henry H.L. Chan & Paul M. Friedman
1:35 PM - 1:55 PM	Biophysics Principles of Lasers and Related Technologies - J. Stuart Nelson
1:56 PM - 2:16 PM	Overview of Lasers and Energy-based Devices Interactions with Human Tissue - Fernanda H. Sakamoto
2:17 PM - 2:37 PM	Lasers and Energy-based Devices in Dermatological Application: An Overall Overview - Arisa E. Ortiz
2:38 PM - 2:48 PM	Fractionated Technologies - Paul M. Friedman
2:49 PM - 3:09 PM	Laser Treatment of Vascular Lesions and Pediatric Lasers - Kristen M. Kelly
3:10 PM - 3:30 PM	Tattoo, Pigmented Lesions and Ethnic Skin - Henry H.L. Chan
3:31 PM - 3:45 PM	BREAK
3:46 PM - 4:06 PM	Laser Hair Removal - Arielle N. Kauvar
4:07 PM - 4:27 PM	Laser Safety - Eric F. Bernstein
4:28 PM - 4:48 PM	Non-invasive Body Contouring and Skin Tightening - Robert A. Weiss
4:49 PM - 5:19 PM	Addressing Complications of Laser and Energy-based Procedures - Mathew M. Avram
5:20 PM - 5:30 PM	Q&A, Conclusion and Post-Test - Henry H.L. Chan & Paul M. Friedman

Device-Assisted Hair Restoration and Removal - Breakfast

Thursday, April 12 | 7:00 AM - 8:00 AM | Room: Cortez C

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

Participants The target audience is hair transplant physicians, and any novice interested in learning the procedure, and physicians interested in robotic technology.

Background Requirements There are no specific requirements for this session.

Educational Needs/Expected Learning Objectives After attending this session, physicians will better understand the role of PRP in hair transplantation, the role of LLLT and device-assisted surgery and how these procedures can enhance patient outcomes and safety.

Director(s) Marc R. Avram, MD

Faculty N/A

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Marc R. Avram
7:06 AM - 7:50 AM	Discussion on Device-Assisted Robotic Surgery, LLLT and PRP - Marc R. Avram
7:51 AM - 8:00 AM	Q&A, Conclusion and Post-Test - Marc R. Avram

New Treatments for Tackling Scars - Breakfast

Thursday, April 12 | 7:00 AM - 8:00 AM | Room: Cortez D

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

Participants Dermatologists, plastic surgeons, and other practitioners who consult on and treat scars.

Background Requirements There are no specific background requirements (basic laser experience helpful).

Educational Needs/Expected Learning Objectives After attending this session, physicians will be able to:

- » Identify the different types of scars and various techniques that can enhance scar revision; recite the various goals of scar revision and the expected outcomes of available treatments.
- » Demonstrate competence in the evaluation of scars; share clinical pearls, surgical tips and laser parameters for treatment of acne, surgical, burn and traumatic scars.
- » Review advanced surgical and laser techniques for scar reconstruction including laser-assisted drug delivery, Z-plasty, skin replacement and scar contracture release.
- » Explain the indications, algorithms and limitations of laser and light modalities used in the treatment of scars; select and employ the appropriate treatment options.
- » Provide optimal management of patients with various types of disfiguring scars.

Director(s) Jill S. Waibel, MD

Faculty R. Rox Anderson, MD; Roy G. Geronemus, MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:03 AM	Introduction and Pre-Test - Jill S. Waibel
7:04 AM - 7:19 AM	Treatment of Acne Scars by Lasers and Related Technologies - Roy G. Geronemus
7:20 AM - 7:35 AM	Laser Approach to Acne and Surgical Scars - R. Rox Anderson
7:36 AM - 7:51 AM	Laser Treatment of Burn and Trauma Scar Revision - Jill S. Waibel
7:52 AM - 8:00 AM	Q&A, Conclusion and Post-Test - Jill S. Waibel

Optimizing Patient Experience - Breakfast

Thursday, April 12 | 7:00 AM - 8:00 AM | Room: Topaz

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

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.

Educational Needs/Expected Learning Objectives Physicians will learn how and when to incorporate standardized communication checklists into the front desk repertoire. Physicians will also learn simple methods to retain patients in their practice.

Director(s) Ashish C. Bhatia, MD, FAAD

Faculty Jeffrey S. Dover, MD, FRCPC; Girish S. Munavalli, MD, MHS, FACMS; Kelly J. Stankiewicz, MD, FAAD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Ashish C. Bhatia
7:06 AM - 7:17 AM	Improving the Patient Experience at Their First Visit - Kelly J. Stankiewicz
7:18 AM - 7:29 AM	Tips for Retaining Patients in Your Practice - Girish S. Munavalli
7:30 AM - 7:34 AM	Q&A
7:35 AM - 7:46 AM	Attracting Patients and Keeping Them - Jeffrey S. Dover
7:47 AM - 7:52 AM	Tips for Maximizing Your Laser Practice - Ashish C. Bhatia
7:53 AM - 8:00 AM	Q&A, Conclusion and Post-Test - Ashish C. Bhatia

State-of-the-Art in Tattoo Treatment - Breakfast

Thursday, April 12 | 7:00 AM - 8:00 AM | Room: Sapphire

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

Participants All practitioners, from beginners to seasoned veterans.

Background Requirements Basic understanding of laser technology, specifically lasers designed for removal of tattoos.

Educational Needs/Expected Learning Objectives Physicians will improve their knowledge on:

- » Systemic approaches to any tattoos.
- » The current limitations of tattoo removal.
- » How to better deal with complications.

Director(s) H. Ray Jalian, MD

Faculty Jeremy A. Brauer, MD; Omar A. Ibrahim, MD, PhD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:04 AM	Introduction and Pre-Test - H. Ray Jalian
7:05 AM - 7:15 AM	Biology of Tattoos/Overview of Lasers for Tattoo Removal - H. Ray Jalian
7:16 AM - 7:34 AM	New Concepts for Tattoo Removal - Jeremy A. Brauer
7:35 AM - 7:54 AM	Complications and Challenging Cases - Omar A. Ibrahim
7:55 AM - 8:00 AM	Q&A, Conclusion and Post-Test - H. Ray Jalian

Treatment of Vascular Lesions - Breakfast

Thursday, April 12 | 7:00 AM - 8:00 AM | Room: Emerald

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

Participants Novice to advanced, multi-specialty physicians who utilize lasers for treatment of vascular lesions.

Background Requirements The attendees should have a basic knowledge about treating vascular lesions with lasers.

Educational Needs/Expected Learning Objectives Physicians will learn the desired endpoints when treating vascular lesions, as well an enhanced knowledge on how to diagnose and manage various types of vascular lesions to improve clinical outcomes and patient safety.

Director(s) Zeina S. Tannous, MD

Faculty Eric F. Bernstein, MD, MSE

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:10 AM	Introduction, Pre-Test and Vascular Endpoints - Zeina S. Tannous
7:11 AM - 7:31 AM	Acquired Vascular Lesions - Eric F. Bernstein
7:32 AM - 7:52 AM	Pediatric Vascular Lesions - Zeina S. Tannous
7:53 AM - 8:00 AM	Q&A, Conclusion and Post-Test - Zeina S. Tannous

Nursing/Allied Health - Course

Thursday, April 12 | 8:00 AM - 5:00 PM | Room: Coronado BCD

CE CONTACT HOURS: 7.8 MAX

Participants The activity is designed for nurses, clinicians, and other allied health professionals who work with 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.

Educational Needs/Expected Learning Objectives This course will include, among other things, best practices based on increasing knowledge including: laser and plume safety, appropriate supervision, as well as understanding the use of lasers and energy devices within the workplace.

Director(s) John E. Hoopman, CMLSO; Rebecca L. Sprague, RN, NP-C

Faculty Holly A. Bryan, BS, CCRC; Jill Henley, DO; Omar A. Ibrahim, MD, PhD; Stefani Kappel, MD; Patricia A. Owens, RN, MHA, CMLSO, CNOR; Penny J. Smalley, RN, CMLSO; Zeina S. Tannous, MD

TIME	TITLE - PRESENTING AUTHOR
8:00 AM - 8:05 AM	Introduction and Pre-Test - John E. Hoopman & Rebecca L. Sprague
8:06 AM - 8:15 AM	Nursing/Allied Health Business Meeting - John E. Hoopman & Rebecca L. Sprague
8:16 AM - 8:31 AM	History of Nursing/Allied Health Division - Penny J. Smalley
8:32 AM - 9:02 AM	Laser Safety: Update for 2018 - Penny J. Smalley
9:03 AM - 9:33 AM	Laser Toning - Omar A. Ibrahim
9:34 AM - 10:04 AM	Overview of Tightening Devices - Stefani Kappel
10:05 AM - 10:20 AM	Q&A
10:21 AM - 10:36 AM	BREAK
10:37 AM - 10:57 AM	Overview of Microneedling Devices - Jill Henley
10:58 AM - 11:28 AM	State Regulations - Patricia A. Owens
11:29 AM - 11:49 AM	Practice Management - Holly A. Bryan
11:50 PM - 12:00 PM	Q&A
12:01 PM - 1:45 PM	LUNCH
1:46 PM - 2:16 PM	Treatment of Vascular Lesions - Zeina S. Tannous, MD
2:15 PM - 2:45 PM	Laser Physics - John E. Hoopman
2:46 PM - 3:06 PM	Combining Cosmetic Surgery and Lasers - John E. Hoopman
3:07 PM - 3:37 PM	It's Time to Stop Smoking in Surgery! - Penny J. Smalley
3:38 PM - 3:54 PM	BREAK
3:55 PM - 3:56 PM	Abstracts/Case Studies Introduction - John E. Hoopman & Rebecca L. Sprague
3:57 PM - 4:03 PM	LASER TREATMENT OF PERIORBITAL CONDITIONS <i>Clare McGrath</i> Laser & Skin Surgery Center of New York, New York, NY
4:04 PM - 4:06 PM	Q&A
4:07 PM - 4:13 PM	LASER TREATMENT OF PEDIATRIC PATIENTS <i>Tracy Ovtcharov</i> Laser & Skin Surgery Center of New York, New York, NY
4:14 PM - 4:16 PM	Q&A
4:17 PM - 4:23 PM	RECOGNIZING COMPLICATIONS IN LASER SURGERY <i>Patricia Roarty</i> Laser & Skin Surgery Center of New York, New York, NY
4:24 PM - 4:26 PM	Q&A

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

TIME	TITLE - PRESENTING AUTHOR
4:27 PM - 4:33 PM	NURSING CONSIDERATIONS FOR INTRAOCULAR SHIELD USE <i>Shannon L. Hernandez</i> Union Square Laser Dermatology, New York, NY
4:34 PM - 4:36 PM	Q&A
4:37 PM - 5:00 PM	Open Forum Discussion on Next Year's Topics, Conclusion and Post-Test - John E. Hoopman & Rebecca L. Sprague

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Resurfacing, Rejuvenation and Recontouring - Course

Thursday, April 12 | 8:00 AM - 10:00 AM | Room: Coronado A

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

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

Background Requirements The prospective participant should ideally have a working understanding of the types of devices used in skin rejuvenation and neck rejuvenation. 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 50% of the time being devoted to an interactive discussion on each topic.

Educational Needs/Expected Learning Objectives

- » Physicians will learn how to discern differences between devices.
- » Physicians will be able to correctly choose devices after this course for facial rejuvenation.
- » This will improve patient safety, improve performance and optimize outcomes.

Director(s) Roy G. Geronemus, MD; Jason N. Pozner, MD

Faculty A. Jay Burns, MD; Barry E. DiBernardo, MD; Suzanne L. Kilmer, MD; Girish S. Munavalli, MD, MHS; Chris W. Robb, MD, PhD

TIME	TITLE - PRESENTING AUTHOR
8:00 AM - 8:05 AM	Introduction and Pre-Test - Roy G. Geronemus
8:06 AM - 8:16 AM	Fractional and Hybrid Resurfacing - Chris W. Robb
8:17 AM - 8:27 AM	Full Field Resurfacing - A. Jay Burns
8:28 AM - 8:38 AM	Microneedle Radiofrequency - Girish S. Munavalli
8:39 AM - 8:49 AM	Lasers with Toxins and Fillers - Suzanne L. Kilmer
8:50 AM - 9:00 AM	Neck Contouring - Barry E. DiBernardo
9:01 AM - 10:00 AM	Panel Discussion/Case Analysis, Q&A, Conclusion and Post-Test - Jason N. Pozner

Expert Treatment Approaches - Course

Thursday, April 12 | 8:00 AM - 12:00 PM | Room: Wedgwood Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 3.75 MAX | CE CONTACT HOURS: 4.20 MAX

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.

Educational Needs/Expected Learning Objectives Physicians will learn the latest treatments for treating a host of conditions and will also learn to optimize their treatments for enhanced patient outcomes and safety.

Director(s) Kenneth A. Arndt, MD; Nazanin Saedi, MD

Faculty Macrene R. Alexiades, MD, PhD; Jeremy A. Brauer, MD; Anne M. Chapas, MD; Jeffrey S. Dover, MD, FRCPC; Nada Elbuluk, MD; Merete Haedersdal, MD, PhD, DMSc; Omer Ibrahim, MD; Omar A. Ibrahim, MD, PhD; Shilpi Khetarpal, MD; Andrew C. Krakowski, MD; Girish S. Munavalli, MD, MHS; Elizabeth L. Tanzi, MD, FAAD; Nathan S. Uebelhoer, DO; Mara C. Weinstein Velez, MD

TIME	TITLE - PRESENTING AUTHOR
8:00 AM - 8:04 AM	Introduction and Pre-Test - Kenneth A. Arndt & Nazanin Saedi
8:05 AM - 8:24 AM	Use of Lasers and Energy-based Devices in Ethnic Skin - Nada Elbuluk & Mara C. Weinstein Velez
8:25 AM - 8:44 AM	Non-invasive Body Contouring: Heat vs. Cold vs. Injections - Anne M. Chapas & Elizabeth L. Tanzi
8:45 AM - 9:04 AM	Optimizing Drug Delivery with Lasers: Advantages and Risks - Omer Ibrahim
9:05 AM - 9:14 AM	Q&A
9:15 AM - 9:34 AM	New Applications of Picosecond Technology - Jeremy A. Brauer & Jeffrey S. Dover
9:35 AM - 9:54 AM	Laser Use for Alleviating Striae and Scars - Nazanin Saedi & Nathan S. Uebelhoer
9:55 AM - 10:14 AM	Skin Tightening: So Many New Devices, Do They Work? - Omar A. Ibrahim & Girish S. Munavalli
10:15 AM - 10:24 AM	Q&A
10:25 AM - 10:40 AM	BREAK
10:41 AM - 10:56 AM	How to Approach Feminine Rejuvenation - Macrene R. Alexiades
10:57 AM - 11:12 AM	Microneedling +/- PRP: What's All the Hype? - Shilpi Khetarpal
11:13 AM - 11:28 AM	PDT Update - Merete Haedersdal
11:29 AM - 11:44 AM	Use of Lasers After Oral Retinoid Administration: When Can We Start? - Andrew C. Krakowski
11:45 AM - 12:00 PM	Q&A, Conclusion and Post-Test - Kenneth A. Arndt & Nazanin Saedi

Pediatric Laser Focus - Course

Thursday, April 12 | 10:15 AM - 12:15 PM | Room: Coronado A

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants This focus workshop 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 laser and energy devices as they specifically relate to children's health is helpful.

Educational Needs/Expected Learning Objectives Attendees will learn and discuss approaches for treatment of scars, vascular lesions and pigmented lesions in pediatric patients. Evidence will be reviewed on risks of laser treatment in teen patients taking isotretinoin. Finally, attendees will learn updated information on risks and benefits of anesthesia for pediatric patient.

Director(s) R. Rox Anderson, MD; Kristen M. Kelly, MD

Faculty Andrew C. Krakowski, MD; Yakir Levin, MD, PhD; Iris Rubin, MD

TIME	TITLE - PRESENTING AUTHOR
10:15 AM - 10:20 AM	Introduction and Pre-Test - R. Rox Anderson & Kristen M. Kelly
10:21 AM - 10:35 AM	Pediatric Scar Treatment - Andrew C. Krakowski
10:36 AM - 10:50 AM	Pediatric Vascular Lesion Treatment - Iris Rubin
10:51 AM - 11:05 AM	Pediatric Pigmented Lesion Treatment - Yakir Levin
11:06 AM - 11:15 AM	Update on Isotretinoin and Laser Procedures - Andrew C. Krakowski
11:16 AM - 11:26 AM	Drug and Device Combinations in Pediatric Patients - Kristen M. Kelly
11:27 AM - 11:37 AM	Pediatric Pain Control for Laser Procedures - Kristen M. Kelly
11:38 AM - 12:00 PM	Pediatric Patient Laser Problems to be Solved - R. Rox Anderson
12:01 PM - 12:15 PM	Panel Discussion, Q&A, Conclusion and Post-Test - R. Rox Anderson & Kristen M. Kelly

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Cutaneous Medical Applications for Lasers - Luncheon

Thursday, April 12 | 12:15 PM - 1:15 PM | Room: Cortez C

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

Participants Dermatologists, plastic surgeons, and other medical specialists.

Background Requirements Participants should have some background in lasers, scars, acne and non-melanoma skin cancer treatments.

Educational Needs/Expected Learning Objectives Physicians will learn how to treat scars with lasers, about the use of laser and light for the treatment of acne, and about the potential role of lasers and light for the treatment of skin cancer in order to maximize patient outcomes and safety.

Director(s) Keyvan Nouri, MD

Faculty H. Ray Jalian, MD; Thomas E. Rohrer, MD

TIME	TITLE - PRESENTING AUTHOR
12:15 PM - 12:20 PM	Introduction and Pre-Test - Keyvan Nouri
12:21 PM - 12:36 PM	Lasers for the Treatment of Acne - Thomas E. Rohrer
12:37 PM - 12:52 PM	Lasers for the Treatment of Skin Cancers - H. Ray Jalian
12:53 PM - 1:07 PM	Lasers for the Treatment of Scars - Keyvan Nouri
1:08 PM - 1:15 PM	Q&A, Conclusion and Post-Test - Keyvan Nouri

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Fully Ablative and Fractional Resurfacing - Luncheon

Thursday, April 12 | 12:15 PM - 1:15 PM | Room: Cortez D

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

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, the focus is on a more moderate to advanced conversation.

Educational Needs/Expected Learning Objectives This course will increase attendee understanding and implementation of the science behind fractional and fully ablative resurfacing and to increase the ability to utilize both independently as well as in conjunction with each other in the same treatment session. In addition, varying indications and appropriate pre and post-op care including how to handle complications will be addressed.

Director(s) Suzanne L. Kilmer, MD

Faculty A. Jay Burns, MD

TIME	TITLE - PRESENTING AUTHOR
12:15 PM - 12:20 PM	Introduction and Pre-Test - Suzanne L. Kilmer
12:21 PM - 12:41 PM	Fully Ablative and Fractional Resurfacing - Suzanne L. Kilmer
12:42 PM - 1:02 PM	Fully Ablative and Fractional Resurfacing - A. Jay Burns
1:03 PM - 1:15 PM	Q&A, Conclusion and Post-Test - Suzanne L. Kilmer

Laser-Assisted Drug Delivery - Luncheon

Thursday, April 12 | 12:15 PM - 1:15 PM | Room: Topaz

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

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

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

Educational Needs/Expected Learning Objectives This course will provide attendees a basic understanding of the interaction between laser settings, drug uptake and clinical skin reactions. Topics discussed will include the current clinical state of knowledge in laser-assisted drug delivery in dermato-oncology, scar treatment, and rejuvenation procedures, as well as how to handle safety issues.

Director(s) Merete Haedersdal, MD, PhD, DMSc

Faculty Jeffrey S. Dover, MD, FRCP; Suzanne L. Kilmer, MD

TIME	TITLE - PRESENTING AUTHOR
12:15 PM - 12:19 PM	Introduction and Pre-Test - Merete Haedersdal
12:20 PM - 12:35 PM	Basics and Update on Laser-Assisted Drug Delivery for Treating Skin Cancer - Merete Haedersdal
12:36 PM - 12:51 PM	Scars: Laser-Assisted Drug Delivery to Enhance Patient Outcomes - Suzanne L. Kilmer
12:52 PM - 1:07 PM	Laser-Assisted Drug Delivery to Boost Rejuvenation Procedures While Maintaining Safety - Jeffrey S. Dover
1:08 PM - 1:15 PM	Q&A, Conclusion and Post-Test - Merete Haedersdal

Neck Rejuvenation - Luncheon

Thursday, April 12 | 12:15 PM - 1:15 PM | Room: Sapphire

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

Participants Any provider with plans of integrating neck rejuvenation techniques into their practice.

Background Requirements Basic knowledge of neck anatomy, and laser and energy-based devices and their tissue interactions on the skin.

Educational Needs/Expected Learning Objectives Physicians will learn the proper application of several laser and energy-based devices for neck rejuvenation. This will provide strategies for optimal patient care, enhanced patient safety and improved outcomes.

Director(s) Elizabeth L. Tanzi, MD, FAAD

Faculty Bruce E. Katz, MD; Girish S. Munavalli, MD, MHS

TIME	TITLE - PRESENTING AUTHOR
12:15 PM - 12:20 PM	Introduction and Pre-Test - Elizabeth L. Tanzi
12:21 PM - 12:36 PM	Neck Rejuvenation Using a Variety of Laser and Energy-based Devices (Non-ablative Fractional Resurfacing, BBL, Cryolipolysis, HIFU) - Elizabeth L. Tanzi
12:37 PM - 12:52 PM	Neck Rejuvenation Using Radiofrequency - Girish S. Munavalli
12:53 PM - 1:08 PM	Neck Rejuvenation Using 1060nm Lasers and Thread Lifts - Bruce E. Katz
1:09 PM - 1:15 PM	Q&A, Conclusion and Post-Test - Elizabeth L. Tanzi

Our Favorite Laser Pearls - Luncheon

Thursday, April 12 | 12:15 PM - 1:15 PM | Room: Emerald

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

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

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

Educational Needs/Expected Learning Objectives Physicians will glean real world laser pearls for challenging patient presentations.

Director(s) Christine C. Dierickx, MD; E. Victor Ross, MD

Faculty N/A

TIME	TITLE - PRESENTING AUTHOR
12:15 PM - 12:20 PM	Introduction and Pre-Test - Christine C. Dierickx & E. Victor Ross
12:21 PM - 12:41 PM	Pearls - E. Victor Ross
12:42 PM - 1:02 PM	Pearls - Christine C. Dierickx
1:03 PM - 1:15 PM	Q&A, Conclusion and Post-Test - Christine C. Dierickx & E. Victor Ross

Laser Learning Lab: Opportunities for Hands-on Laser Use Through Case Study Analyses - Session 1 - Course

Thursday, April 12 | 1:30 PM - 3:15 PM | Room: Cortez AB

AMA PRA CATEGORY 1 CME CREDITS™: 1.75 MAX | CE CONTACT HOURS: 1.90 MAX

Participants Practitioners with laser/light-based devices in their practices or practitioners who are interested in incorporating laser/light-based devices in their practices.

Background Requirements No background requirements needed.

Educational Needs/Expected Learning Objectives Physicians will learn proper laser techniques related to the demonstrated devices, how to recognize ideal patients for laser treatments and basic laser safety principles.

Topics/Devices Covered

Vascular Lasers - *Melanie M. Kingsley, Arielle N. Kauvar, Adam J. Wulkan*

- » 532/1064nm KTP
- » 515-1200nm IPL
- » Pulsed-dye 595nm
- » LED polarized light

Pigmented Lesions / LHR - *Catherine M. DiGiorgio, Omar A. Ibrahim, Yakir Levin, Oge C. Onwudiwe*

- » Q-switched Nd:YAG
- » 1064nm 650-microsecond non-ablative laser
- » Dual wavelength Alexandrite Nd:YAG
- » Patient eye shields: internals with suction/offset handle, externals

Rejuvenation - *Shraddha Desai, Arisa E. Ortiz, Woraphong Manuskitti*

- » Non-ablative 1927 fractional thulium
- » Modular multi-application laser and light platform with hybrid fractional laser, tunable non-ablative (1470nm) and ablative (2940nm) wavelengths
- » Temperature controlled RF
- » Fractional RF with fully tunable coagulation and ablation

Tattoo - *Melanie Palm, Heidi Prather, Rachel N. Pritzker*

- » Picosecond Nd:YAG 1064nm
- » Picosecond workstation with 755nm core wavelength and focus lens array
- » Nd:YAG

Director(s) Kachiu C. Lee, MD; Kelly J. Stankiewicz, MD, FAAD

Faculty Shraddha Desai, MD; Catherine M. DiGiorgio, MD; Omar A. Ibrahim, MD, PhD; Arielle N. Kauvar, MD; Melanie M. Kingsley, MD; Yakir Levin, MD, PhD; Woraphong Manuskitti, MD; Oge C. Onwudiwe, MD; Arisa E. Ortiz, MD; Melanie Palm, MD; Heidi Prather, MD; Rachel N. Pritzker, MD; Adam J. Wulkan, MD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:39 PM	Introduction, Pre-Test and Safety Review - Kachiu C. Lee & Kelly J. Stankiewicz
1:40 PM - 2:02 PM	Rotation #1
2:04 PM - 2:24 PM	Rotation #2
2:26 PM - 2:46 PM	Rotation #3
2:48 PM - 3:08 PM	Rotation #4
3:08 PM - 3:15 PM	Q&A, Conclusion and Post-Test - Kachiu C. Lee & Kelly J. Stankiewicz

Optimizing Outcomes: Combining Injectables with Lasers and Energy-Based Devices - Course

Thursday, April 12 | 1:30 PM - 3:30 PM | Room: Coronado A

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

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.

Educational Needs/Expected Learning Objectives Physicians will learn that combination treatments are both safe and effective in face, neck and body areas, as well as information on the latest update in skin tightening and resurfacing technologies. Expert speakers will also be discussing the most effective and safe combination treatments from their own personal experience.

Director(s) Jean D. Carruthers, MD; Jeremy B. Green, MD

Faculty Tina S. Alster, MD; Daniel A. Belkin, MD; Vic A. Narurkar, MD; E. Victor Ross, MD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:34 PM	Introduction and Pre-Test - Jean D. Carruthers & Jeremy B. Green
1:35 PM - 1:45 PM	Upper and Mid-Face Combination Jewels - E. Victor Ross
1:46 PM - 2:01 PM	Lower Face and Neck Combination Jewels - Jean D. Carruthers
2:02 PM - 2:12 PM	Maximizing PanFacial Aesthetic Outcomes: Findings and Recommendations from the Harmony Study - Vic A. Narurkar
2:13 PM - 2:28 PM	Body Combination Jewels - Tina S. Alster
2:29 PM - 2:44 PM	Energy Based Devices Above and Below the Dermis for Cutaneous Tightening - Daniel A. Belkin
2:45 PM - 2:55 PM	Putting Your Combinations to Work: Case Studies - Jeremy B. Green
2:56 PM - 3:30 PM	Panel Discussion, Q&A, Conclusion and Post-Test - Jean D. Carruthers & Jeremy B. Green

Laser Learning Lab: Opportunities for Hands-on Laser Use Through Case Study Analyses - Session 2 - Course

Thursday, April 12 | 3:30 PM - 5:15 PM | Room: Cortez AB

AMA PRA CATEGORY 1 CME CREDITS™: 1.75 MAX | CE CONTACT HOURS: 1.90 MAX

Participants Practitioners with laser/light-based devices in their practices or practitioners who are interested in incorporating laser/light-based devices in their practices.

Background Requirements No background requirements needed.

Educational Needs/Expected Learning Objectives Physicians will learn proper laser techniques related to the demonstrated devices, how to recognize ideal patients for laser treatments and basic laser safety principles.

Topics/Devices Covered

Vascular Lasers - *Melanie M. Kingsley, Arielle N. Kauvar, Adam J. Wulkan*

- » 532/1064nm KTP
- » 515-1200nm IPL
- » Pulsed-dye 595nm
- » LED polarized light

Pigmented Lesions / LHR - *Catherine M. DiGiorgio, Omar A. Ibrahim, Yakir Levin, Oge C. Onwudiwe*

- » Q-switched Nd:YAG
- » 1064nm 650-microsecond non-ablative laser
- » Dual wavelength Alexandrite Nd:YAG
- » Patient eye shields: internals with suction/offset handle, externals

Rejuvenation - *Shraddha Desai, Arisa E. Ortiz, Woraphong Manuskiatti*

- » Non-ablative 1927 fractional thulium
- » Modular multi-application laser and light platform with hybrid fractional laser, tunable non-ablative (1470nm) and ablative (2940nm) wavelengths
- » Temperature controlled RF
- » Fractional RF with fully tunable coagulation and ablation

Tattoo - *Melanie Palm, Heidi Prather, Rachel N. Pritzker*

- » Picosecond Nd:YAG 1064nm
- » Picosecond workstation with 755nm core wavelength and focus lens array
- » Nd:YAG

Director(s) Kachiu C. Lee, MD; Kelly J. Stankiewicz, MD, FAAD

Faculty Shraddha Desai, MD; Catherine M. DiGiorgio, MD; Omar A. Ibrahim, MD, PhD; Arielle N. Kauvar, MD; Melanie M. Kingsley, MD; Yakir Levin, MD, PhD; Woraphong Manuskiatti, MD; Oge C. Onwudiwe, MD; Arisa E. Ortiz, MD; Melanie Palm, MD; Heidi Prather, MD; Rachel N. Pritzker, MD; Adam J. Wulkan, MD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:39 PM	Introduction, Pre-Test and Safety Review - Kachiu C. Lee & Kelly J. Stankiewicz
1:40 PM - 2:02 PM	Rotation #1
2:04 PM - 2:24 PM	Rotation #2
2:26 PM - 2:46 PM	Rotation #3
2:48 PM - 3:08 PM	Rotation #4
3:08 PM - 3:15 PM	Q&A, Conclusion and Post-Test - Kachiu C. Lee & Kelly J. Stankiewicz

Early and Late Intervention for Scarring - Course

Thursday, April 12 | 3:30 PM - 5:30 PM | Room: Coronado A

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants Dermatologists and plastic surgeons who want to improve their skills in treating scars.

Background Requirements Participants should have a clear interest in the pathophysiology and treatment of scars.

Educational Needs/Expected Learning Objectives Physicians will learn various aspects of scar maturation, treatment and safety techniques.

Director(s) Nathan S. Uebelhoer, DO

Faculty Andrew C. Krakowski, MD; E. Victor Ross, MD; Peter R. Shumaker, MD; Jill S. Waibel, MD

TIME	TITLE - PRESENTING AUTHOR
3:30 PM - 3:34 PM	Introduction and Pre-Test - Nathan S. Uebelhoer
3:35 PM - 3:55 PM	Early Intervention - Jill S. Waibel
3:56 PM - 4:16 PM	Treatment Techniques I - E. Victor Ross
4:17 PM - 4:37 PM	Treatment Techniques II - Peter R. Shumaker
4:38 PM - 4:58 PM	Pediatric Focus - Andrew C. Krakowski
4:59 PM - 5:10 PM	Panel Discussions: Key Pearls and Cases - Andrew C. Krakowski, E. Victor Ross, Peter R. Shumaker, Nathan S. Uebelhoer, Jill S. Waibel, MD
5:11 PM - 5:30 PM	Q&A, Conclusion and Post-Test - Nathan S. Uebelhoer

Celebration of ASLMS Women in Energy-Based Devices - Special Event (non-CME)

Thursday, April 12 | 5:30 PM - 7:30 PM | Room: Park View Verandah

Director Kristen M. Kelly, MD

Committee Members Sheetal Davit, Susan Hammerling, PA, MPAS; Arisa Ortiz, MD; Nazanin Saedi, MD; Fernanda Sakamoto, MD, PhD; Jill Waibel, MD

Panelists Juanita J. Anders, PhD; Christine C. Dierickx, MD; Kerrie Jiang, NP, MSN, CCRP; Suzanne L. Kilmer, MD; Jeri-Anne Lyons, PhD; Caitlin Martinage

Featured Speaker Merete Haedersdal, MD, PhD, DMSc

Award Recipient Tina S. Alster, MD

Complimentary, light hors d'oeuvres and beverages at start and throughout:

TIME	TITLE - PRESENTING AUTHOR
5:30 PM - 5:44 PM	<i>Pre-event complimentary light hors d'oeuvres and beverages</i>
5:45 PM - 5:49 PM	Introduction and Welcome - Kristen M. Kelly
5:50 PM - 6:05 PM	Featured Speaker Presentation - "The World is Your Oyster" - Merete Haedersdal
	Expert Panel with Q&A
	Clinical Representatives - Christine C. Dierickx & Suzanne L. Kilmer
6:06 PM - 6:26 PM	Scientific Representatives - Juanita J. Anders & Jeri-Anne Lyons
	Industry Representatives - Kerrie Jiang & Caitlin Martinage
6:27 PM - 6:42 PM	ASLMS Leadership, Mentorship & Public Advocacy for Women in Medical Science Award - "A Proposed Prescription for Mentorship and Leadership: Make It Personal" - Tina S. Alster
6:43 PM - 7:30 PM	Open Social and Professional Networking

Complications, Legal Issues and Laser Safety - Workshop

Friday, April 13 | 7:00 AM - 9:00 AM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants This activity is designed for physicians and designated extenders using energy-based devices. All professionals are required to obtain safety education, and therefore, there are no inclusions or exclusions on attendance. It is hoped that this barrier free workshop will be marketed as such, inviting physicians, nurses, industry partners, administrators, scientists, allied health workers, and anyone else interested in the safe and appropriate use of lasers in compliance with regulations and standards.

Background Requirements No background is required for this activity.

Educational Needs/Expected Learning Objectives Knowledge of how to lessen complications which will then lessen potential for lawsuits. Gain understanding of the legal elements of negligence which will lessen likelihood of successful lawsuits.

Director(s) Eric F. Bernstein, MD, MSE; David J. Goldberg, MD, JD

Faculty Mathew M. Avram, MD, JD; Brian S. Biesman, MD; Roy G. Geronemus, MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:04 AM	Introduction and Pre-Test - David J. Goldberg
7:05 AM - 7:25 AM	Complications from Vascular, Pigment and Hair Removal Lasers - Eric F. Bernstein
7:26 AM - 7:46 AM	Complications from Resurfacing Lasers - Roy G. Geronemus
7:47 AM - 8:07 AM	Legal Issues Regarding Lasers, Light Sources and Energy-based Devices - Mathew M. Avram
8:08 AM - 8:28 AM	Safe Laser Treatment Around the Eyes - Brian S. Biesman
8:29 AM - 8:49 AM	Energy Delivery: Physician and Physician Extender Issues - David J. Goldberg
8:50 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Eric F. Bernstein

Hanging Your Shingle: Practice Management Tips - Workshop

Friday, April 13 | 7:00 AM - 9:00 AM | Room: Cortez AB

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants This course is targeted to physicians who are currently practicing and considering to open their own practice.

Background Requirements Physicians in practice or with at least 2 years of graduate residency training.

Educational Needs/Expected Learning Objectives Physicians will learn:

- » How to maximize office design for increased efficiency and patient safety.
- » The best practices to negotiate large capital purchases and basics of employee management.
- » The basics of internal and external marketing of a new device.
- » How to optimize the financial management of their practices and plan for future growth.

Director(s) Tina S. Alster, MD; Anne M. Chapas, MD

Faculty Vic A. Narurkar, MD; Melanie Palm, MD; Todd E. Schlesinger, MD; Mark B. Taylor, MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction - Tina S. Alster & Anne M. Chapas
7:06 AM - 7:20 AM	Optimizing Office Design - Mark B. Taylor
7:21 AM - 7:35 AM	Tips for Hiring and Managing Staff - Todd E. Schlesinger
7:36 AM - 7:50 AM	How to Buy Your First Two Lasers - Anne M. Chapas
7:51 AM - 8:05 AM	Introducing New Technology to Your Practice - Vic A. Narurkar
8:06 AM - 8:20 AM	Optimize Financial Management - Melanie Palm
8:21 AM - 8:35 AM	Tips to Grow Your Practice - Tina S. Alster
8:36 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Tina S. Alster & Anne M. Chapas

Laser Treatment for Skin of Color- Workshop

Friday, April 13 | 7:00 AM - 9:00 AM | Room: Coronado A

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants This activity is designed for doctors, physician's assistants, nurses and laser practitioners who treat or plan on treating patients with skin of color.

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

Educational Needs/Expected Learning Objectives Participants will learn to select the appropriate lasers and light source to treat a wide varieties of skin conditions among skin of color. Emphasis on the appropriate end points and suggested laser parameters will be discussed. Clinical pearls to avoid complications encountered when lasers and light sources are used among skin of color patients will also be addressed.

Director(s) Andrew F. Alexis, MD, MPH; Henry H.L. Chan, MD, PhD, FRCP

Faculty Eliot F. Battle, Jr, MD; Paul M. Friedman, MD; Chee-Leok Goh, MD, MBBS, FRCP

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Andrew F. Alexis & Henry H.L. Chan
7:06 AM - 7:26 AM	Laser Treatment for Fitzpatrick Skin Types III-IV: My Approach - Henry H.L. Chan
7:27 AM - 7:47 AM	Laser Treatment on Fitzpatrick Skin Types V-VI: My Approach - Andrew F. Alexis
7:48 AM - 8:08 AM	Laser Treatment of Vascular Lesions in Skin of Color - Chee-Leok Goh
8:09 AM - 8:29 AM	Laser Treatment of Pigmented Lesions in Skin of Color - Paul M. Friedman
8:30 AM - 8:50 AM	Expert Panel Discussion: Recent Advances in Energy-based Devices: Applications in Skin of Color - Eliot F. Battle, Jr., MD; Henry H.L. Chan
8:51 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Andrew F. Alexis & Henry H.L. Chan

Scientific Basis of Devices on Women's Genitourinary Health - Workshop

Friday, April 13 | 7:00 AM - 9:00 AM | Room: Wedgwood Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants Target audience includes gynecologists, urologists, and laser specialists who wish to attain knowledge in this area.

Background Requirements Background training in gynecology, urology and/or lasers for the vulvovaginal area.

Educational Needs/Expected Learning Objectives Physicians will learn about, share information on, and discuss the usefulness of present and potential applications of such devices, as well as take part in a discussion about usefulness and procedure.

Director(s) Adrian Gaspar, MD; Cheryl B. Iglesia, MD

Faculty Red M. Alinsod, MD; Oscar A. Aguirre, MD; Jorge E. Gaviria P., MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Adrian Gaspar & Cheryl B. Iglesia
7:06 AM - 7:21 AM	Energy-based Vulvo-Vaginal Therapy: Current Uses and Evidence - Cheryl B. Iglesia
7:22 AM - 7:37 AM	History - Adrian Gaspar
7:38 AM - 7:53 AM	Vulvar and Vaginal CO₂ Laser - Oscar A. Aguirre
7:54 AM - 8:09 AM	Vulvar and Vaginal Radiofrequency - Red Alinsod
8:10 AM - 8:24 AM	Vulvar and Vaginal Erbium Laser - Jorge E. Gaviria P.
8:26 AM - 8:41 AM	Intraurethral Erbium Laser - Adrian Gaspar
8:42 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Adrian Gaspar & Cheryl B. Iglesia

Treatments and Imaging for Skin Cancer - Workshop

Friday, April 13 | 7:00 AM - 9:00 AM | Room: Coronado BCD

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants This session is meant for any physician, practitioner, or scientist that treats skin cancer or conducts research in the imaging and/or treatment of skin cancers.

Background Requirements A basic fundamental knowledge of skin cancer is helpful for attending this session.

Educational Needs/Expected Learning Objectives Attendees will learn about new imaging available and new energy-based treatments for skin cancer.

Director(s) Arisa E. Ortiz, MD; Benjamin J. Vakoc, PhD

Faculty Audrey K. Bowden, PhD; Merete Haedersdal, MD, PhD, DMSc; Orit Markowitz, MD; Aditi Sahu, PhD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:04 AM	Introduction and Pre-Test - Arisa E. Ortiz & Benjamin J. Vakoc
7:05 AM - 7:20 AM	Classification of Basal Cell Carcinoma in Human Skin by Polarization Sensitive Optical Coherence Tomography - Audrey K. Bowden
7:21 AM - 7:36 AM	Confocal Imaging of Nonmelanoma Skin Cancer - Aditi Sahu
7:37 AM - 7:52 AM	Margin Delineation of Nonmelanoma Skin Cancer - Benjamin J. Vakoc
7:53 AM - 8:08 AM	Combining Imaging with Laser Treatment for Skin Cancer - Orit Markowitz
8:09 AM - 8:24 AM	Photodynamic Therapy for Skin Cancer - Merete Haedersdal
8:25 AM - 8:40 AM	Laser Treatment of Basal Cell Carcinoma - Arisa E. Ortiz
8:41 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Arisa E. Ortiz & Benjamin J. Vakoc

Basic Science and Translational Research - Abstract Session

Friday, April 13 | 9:30 AM - 10:20 AM | Room: Cortez CD

AMA PRA CATEGORY 1 CME CREDITS™: 0.75 MAX

Participants Clinicians, engineers, scientists, researchers, developers.

Background Requirements Basic knowledge of light-tissue interactions.

Educational Needs/Expected Learning Objectives These sessions will promote understanding of fundamental light-tissue interactions, laboratory evaluation of new technologies and methodologies, and applications of these technologies and methodologies in *in-vitro* and *in-vivo* studies. Ideas presented in this session are expected to impact clinical research studies and medical device development. Participants will learn about:

- » Fundamental light-tissue interactions and measurements of tissue properties
- » Biological response of cells and tissues to low-light therapeutics
- » New diagnostic and treatment approaches
- » Preclinical evaluation of novel therapeutic approaches using light and energy-based devices
- » Micro-, meso-, and macroscopic approaches to assess the biological tissue response to light and energy-based devices
- » First-in-man application of light and energy-based technologies
- » Methods and technologies used for monitoring therapeutic interventions

Hot Topics

- » New treatment approaches for lipolysis, including cryolipolysis
- » Structural and advanced functional imaging
- » Image-guided interventions
- » Advances in optical coherence tomography and multiphoton microscopy
- » Low-light therapeutic approaches to eradicate bacteria and modulate cell behavior

Chair(s) Bernard Choi, PhD; Gracie Vargas, PhD

TIME	TITLE - PRESENTING AUTHOR
9:30 AM - 9:32 AM	Introduction - Bernard Choi & Gracie Vargas
CLINICAL THERAPEUTICS	
9:33 AM - 9:40 AM	MULTIMODAL MONITORING OF HYPERTHERMIC LASER LIPOLYSIS WITH 1064nm Nd:YAG LASER IN HUMAN SUBJECTS <i>Matija Milanic</i> University of Ljubljana, Ljubljana, Slovenia
9:41 AM - 9:48 AM	ENHANCED TOPICAL DELIVERY OF INDOCYANINE GREEN WITH FRACTIONAL CO₂ LASER, FRACTIONAL Er:YAG LASER, MICRONEEDLING AND RADIOFREQUENCY <i>Arne Meesters</i> ♦ Netherlands Institute for Pigment Disorders, Department of Dermatology, Academic Medical Center, University of Amsterdam, Amsterdam, Noord Holland, The Netherlands
9:49 AM - 9:56 AM	ASSESSMENT OF SKIN STRUCTURE BY COMBINED PHOTOTHERMAL RADIOMETRY AND OPTICAL SPECTROSCOPY: COREGISTRATION WITH MULTI-PHOTON MICROSCOPY <i>Boris Majaron</i> Jozef Stefan Institute, Ljubljana, Slovenia
9:57 AM - 10:04 AM	EXTRACELLULAR VESICLE EXOCYTOSIS ARE UPREGULATED IN PORT WINE STAIN BLOOD VESSELS <i>Rong Yin</i> ♦→ Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA

TIME	TITLE - PRESENTING AUTHOR
10:05 AM - 10:12 AM	<i>Best of Basic Science and Translational Research Session Award Recipient:</i> A DOSE-RESPONSE STUDY OF A NOVEL NON-THERMAL METHOD OF SELECTIVELY MODIFYING CELLULAR STRUCTURES IN SKIN WITH LOW ENERGY NANOSECOND ELECTRICAL STIMULATION <i>Brian D. Zelickson</i> Zel Skin and Laser Specialists, Edina, MN
10:13 AM - 10:20 AM	Q&A and Conclusion - Bernard Choi & Gracie Vargas

Clinical Applications - Cutaneous - Abstract Session

Friday, April 13 | 9:30 AM - 10:20 AM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 0.75 MAX

Participants This session is for all health care practitioners, engineers, scientists, or any interested individuals working with lasers and energy-based devices. All health care personnel will benefit by learning how to maximize results of treatment of cutaneous conditions 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.

Educational Needs/Expected Learning Objectives This session will explore the use of lasers and energy-based devices to treat a wide spectrum of cutaneous conditions. Controlled studies demonstrating objective evidence in support of new devices and new uses of established devices will be presented. Attendees will be encouraged to participate in discussion of the presented data. Updating current knowledge on the use of energy-based devices as well as maximizing results and minimizing complications will be a prime objective of this session.

Hot Topics

- » Pigment: Treating it becomes cool
- » Picosecond Technology: Expanding horizons and applications
- » Fat Removal: Getting closer to making the scalpel obsolete

Chair(s) Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD

Expert Q&A Panelist(s) Roy G. Geronemus, MD

TIME	TITLE - PRESENTING AUTHOR
9:30 AM - 9:34 AM	Introduction - Paul M. Friedman & Omar A. Ibrahim
COMPLICATIONS AND LEGAL ISSUES	
9:35 AM - 9:39 AM	CAUSES OF INJURY AND LITIGATION IN CUTANEOUS LASER SURGERY: AN UPDATE <i>Saami Khalifian</i> ♦→ Massachusetts General Hospital, Boston, MA
9:40 AM - 9:44 AM	FDA MAUDE DATA ON COMPLICATIONS WITH NON-INVASIVE BODY CONTOURING DEVICES <i>Adam J. Wulkan</i> ♦→ Massachusetts General Hospital, Boston, MA
PHOTOAGING AND PICOSECOND	
9:45 AM - 9:49 AM	FRACTIONAL 1064nm AND 532nm PICOSECOND-DOMAIN LASER TREATMENT OF FACIAL PHOTODAMAGE <i>Eric F. Bernstein</i> Main Line Center for Laser Surgery, Ardmore, PA
9:50 AM - 9:54 AM	PICOSECOND 1064nm LASER FOR TREATMENT OF PIGMENTATION AND PHOTOAGING IN DARK SKIN TYPES <i>Neil S. Sadick</i> Weill Cornell College, New York City, NY
9:55 AM - 9:59 AM	SAFETY AND EFFICACY OF A PICOSECOND 755nm WAVELENGTH ALEXANDRITE LASER WITH FOCUS LENS ARRAY FOR THE TREATMENT OF NECK LAXITY <i>Hana Jeon</i> ♦ Laser & Skin Surgery Center of New York, New York, NY
LASER-ASSISTED DRUG DELIVERY	
10:00 AM - 10:04 AM	LASER-ASSISTED DELIVERY OF TOPICAL POLY-L-LACTIC ACID IN THE TREATMENT OF UPPER LIP RHYTIDES: A PROSPECTIVE, RATER-BLINDED TRIAL <i>Omer Ibrahim</i> ♦ SkinCare Physicians, Chesnut Hill, MA
10:05 AM - 10:11 AM	Q&A
10:12 AM - 10:20 AM	Expert Q&A Panel and Conclusion - Roy G. Geronemus, Paul M. Friedman & Omar A. Ibrahim

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Plenary Session

Friday, April 13 | 10:30 AM - 12:00 PM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 1.50 MAX

Presiding Mathew M. Avram, ASLMS President, 2017-2018

Program Chairs H. Ray Jalian, MD, JD; Serge R. Mordon, PhD

Keynote Speaker Dan Harris

Award Speakers G. David Baxter, TD, DPhil, MBA; David J. Goldberg, MD; John E. Hoopman, CMLSO; Kristen M. Kelly, MD; Jill S. Waibel, MD; Zeev Zalevsky, PhD

TIME	TITLE - PRESENTING AUTHOR
10:30 AM - 10:32 AM	Program Chairs' Welcome & Keynote Introduction - H. Ray Jalian & Serge R. Mordon
10:33 AM - 11:03 AM	Keynote Speaker - Dan Harris
11:04 AM - 11:08 AM	Presidential Address - Mathew M. Avram
11:09 AM - 11:11 AM	ASLMS Special Recognition: Past Presidents Recognition & Excellence in Education Award - Mathew M. Avram
11:12 AM - 11:15 AM	Presidential Citation Awards - Mathew M. Avram
	ASLMS Honorary Award Introductions - Mathew M. Avram
11:16 AM - 11:27 AM	Caroline and William Mark Memorial Award - David J. Goldberg Leon Goldman Memorial Award - Kristen M. Kelly
11:28 AM - 11:31 AM	Best of Session Abstract Awards - H. Ray Jalian & Serge R. Mordon
	ASLMS Honorary Award Introductions - Mathew M. Avram
11:32 AM - 11:43 AM	Ellet H. Drake Memorial Award - Jill S. Waibel Excellence in Laser and Nursing/Allied Health Award - John E. Hoopman
11:44 AM - 11:46 AM	Best Overall Abstract Awards - H. Ray Jalian & Serge R. Mordon
	ASLMS Honorary Award Introductions - Mathew M. Avram
11:47 AM - 11:58 AM	Dr. Horace Furumoto Young Investigator Award - Zeev Zalevsky Dr. Horace Furumoto Distinguished Contributor Award - G. David Baxter
11:59 AM - 12:00 PM	Closing Remarks and Transition to ASLMS Business Meeting - Mathew M. Avram

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

ASLMS Business Meeting

Friday, April 13 | 12:00 PM - 12:30 PM | Room: Trinity Ballroom

ACTIVITY	PRESENTER
Call to Order	Mathew M. Avram
Additions to the Agenda	Mathew M. Avram
Approval of Minutes of April 1, 2017 Business Meeting	Mathew M. Avram
Treasurer's Report	E. Victor Ross
Secretary's Report	Suzanne L. Kilmer
Election Results	Mathew M. Avram
New Business	Mathew M. Avram
Introduction of Eric F. Bernstein MD, President-Elect	Mathew M. Avram
Motion to Adjourn	Eric F. Bernstein

ESLD - Special Luncheon Meeting (Non-CME)

Multiple Facets of Long-pulsed Nd:YAG Laser: Optimizing Clinical Settings and Outcomes

Friday, April 13 | 12:00 PM - 1:30 PM | Room: Topaz

Description The luncheon session of the European Society for Laser and Energy-based devices (ESLD) will focus on the clinical applications of long-pulsed Nd:YAG lasers. Long-pulsed Nd:YAG is one of the most versatile and broadly used lasers currently commercialized. Participants will learn about possible new indications of long-pulsed Nd:YAG laser and how to use this laser to assure best outcomes. Special emphasis will be put on discussion and exchange in between the panel and the participants to ensure the exchange of "savoir faire" in laser medicine.

ESLD is an international non-profit organization with emphasis on exchange and teaching of clinical practice in laser medicine.

Hosts Ashraf Badawi, MD, PhD; Hans-Joachim Laubach, MD

Speakers Firas Al-Niimi, MD; R. Rox Anderson, MD; Ashraf Badawi, MD, PhD; Ricardo Galvan Garcia, MD; Lilit Garibyan, MD, PhD; Hans-Joachim Laubach, MD; Woraphong Manuskiatti, MD; Arisa E. Ortiz, MD; Weernut Phothong, MD; Anthony M. Rossi, MD, FAAD; Albert Wolkerstorfer, MD, PhD

Secretary Garuna Kositratna, MD

TIME	TITLE - PRESENTING AUTHOR		
LONG-PULSE 1064NM ND:YAG LASER APPLICATIONS IN DERMATOLOGY			
12:00 PM - 12:15 PM	Review of the Literature and Clinical Applications - Albert Wolkerstorfer		
12:16 PM - 12:30 PM	New Trends and Future Perspectives - Arisa E. Ortiz		
ESLD CASE REPORTS/CASE SERIES			
12:31 PM - 12:37 PM	Combined Use of Vascular and Surgical Lasers in the Treatment of Large Segmental Infantile Hemangiomas in PHACE Syndrome - Ricardo Galvan Garcia		
12:38 PM - 12:44 PM	Long-pulsed Nd:YAG Used for the Treatment of Vascular Malformation of the Oral Cavity and Neck - Lilit Garibyan		
12:45 PM - 12:51 PM	Long-pulsed Nd:YAG Laser for the Treatment of Angiolymphoid Hyperplasia with Eosinophilia - Hans-Joachim Laubach		
12:52 PM - 12:58 PM	An Ear Without Hair: An Interesting Application of Long-pulsed Nd:YAG - Woraphong Manuskiatti		
12:59 PM - 1:05 PM	Asian Experience in Treating Onychomycosis with Long-pulsed Nd:YAG Laser - Weeranut Phothong		
PANEL DISCUSSION			
1:06 - 1:30 PM	<table border="0"> <tr> <td> Panel Discussion on: Vascular Tumors and Malformations LHR and Hair Related Disease Scars BCC Onychomycosis Rejuvenation Future Applications </td> <td> Panel Speakers: Firas Al-Niimi R. Rox Anderson Ashraf Badawi Hans-Joachim Laubach Anthony M. Rossi Albert Wolkerstorfer </td> </tr> </table>	Panel Discussion on: Vascular Tumors and Malformations LHR and Hair Related Disease Scars BCC Onychomycosis Rejuvenation Future Applications	Panel Speakers: Firas Al-Niimi R. Rox Anderson Ashraf Badawi Hans-Joachim Laubach Anthony M. Rossi Albert Wolkerstorfer
Panel Discussion on: Vascular Tumors and Malformations LHR and Hair Related Disease Scars BCC Onychomycosis Rejuvenation Future Applications	Panel Speakers: Firas Al-Niimi R. Rox Anderson Ashraf Badawi Hans-Joachim Laubach Anthony M. Rossi Albert Wolkerstorfer		

ePoster Town Hall - Abstract Session

Friday, April 13 | 12:15 PM - 1:15 PM | Room: Trinity Exhibit Hall

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX

Participants Clinicians, engineers, scientists, researchers, developers.

Background Requirements No special background requirements.

Educational Needs/Expected Learning Objectives This session will present device applications in a variety of disciplines and research. Relevant clinical and laboratory investigations and patient outcomes will be highlighted.

Hot Topics

- » Other Research Topics
- » Face and Neck Contouring
- » Body Contouring

Chair(s) Murad Alam, MD, MSCI, MBA; Emil A. Tanghetti, MD

TIME	TITLE - PRESENTING AUTHOR
12:15 PM - 12:18 PM	Introduction - Murad Alam & Emil A. Tanghetti
OTHER RESEARCH TOPICS	
12:19 PM - 12:21 PM	A RETROSPECTIVE CHART REVIEW EXAMINING SCALP MALIGNANCIES AFTER THE INITIATION OF PHOTOBIMODULATION FOR ALOPECIA <i>Angela J. Wipf</i> ♦ University of Minnesota, Minneapolis, MN
FACE AND NECK CONTOURING	
12:22 PM - 12:25 PM	MULTI-CENTER STUDY FOR THE SAFETY AND EFFICACY OF FACIAL PROCEDURES USING A RADIOFREQUENCY DEVICE WITH TEMPERATURE REGULATION <i>Raminder K. Saluja</i> Saluja Cosmetic and Laser Center, Huntersville, NC
12:26 PM - 12:29 PM	CLINICAL STUDY TO ASSESS THE SAFETY AND EFFICACY OF A 1060nm DIODE LASER FOR TREATING THE SUBMENTAL AREA <i>David H. McDaniel</i> McDaniel Institute of Anti Aging Research, Virginia Beach, VA
12:30 PM - 12:33 PM	SAFETY AND EFFICACY OF A 1060nm DIODE LASER FOR THE REMOVAL OF SUBMENTAL FAT <i>Bruce E. Katz</i> Mount Sinai Hospital, New York, NY
12:34 PM - 12:37 PM	3D PHOTOGRAPHY OF SUBMENTAL FAT FOLLOWING TREATMENT WITH 1060nm NON-INVASIVE DIODE LASER <i>Georgina M. Ferzli</i> ♦ Laser and Skin Surgery Center of New York, New York, NY
12:38 PM - 12:41 PM	SUCCESSFUL TREATMENT OF RHINOPHYMA WITH CO₂ LASER <i>Muhammad Javed</i> ♦→ Welsh Centre for Burns and Plastic Surgery, Swansea, Wales, UK
12:42 PM - 12:45 PM	SUCCESSFUL TREATMENT OF RHINOPHYMA USING COMBINATION ERBIUM AND CO₂ LASER <i>Kimberly Jerdan</i> ♦→ Gateway Aesthetic Institute and Laser Center, Salt Lake City, UT
BODY CONTOURING	
12:46 PM - 12:49 PM	LIMITED RELEASE TISSUE STABILIZED-GUIDED SUBCISION FOR THE TREATMENT OF MILD-TO-MODERATE CELLULITE OF THE BUTTOCKS AND THIGHS <i>Omer Ibrahim</i> ♦ Chicago Cosmetic Surgery and Dermatology, Chicago, IL
12:50 PM - 12:53 PM	CARBOXYTHERAPY FOR SUBCUTANEOUS ABDOMINAL FAT REDUCTION: A RANDOMIZED CONTROLLED TRIAL <i>Inder Raj S. Makin</i> A.T. Still University, Mesa, AZ
12:54 PM - 12:57 PM	CLINICAL STUDY TO ASSESS A 1060nm HYPERThERMIC DIODE LASER FOR THE TREATMENT OF CONTOUR DEFORMATIES POST LIPOSUCTION <i>Christine A. Petti</i> Palos Verdes Plastic Surgery Medical Center, Torrance, CA

TIME	TITLE - PRESENTING AUTHOR
12:58 PM - 1:01 PM	A NOVEL NON-INVASIVE TECHNOLOGY BASED ON SIMULTANEOUS INDUCTION OF CHANGES IN ADIPOSE AND MUSCLE TISSUES: SAFETY AND EFFICACY OF A HIGH INTENSITY FOCUSED ELECTRO-MAGNETIC (HIFEM) FIELD DEVICE USED FOR ABDOMINAL BODY SHAPING <i>Carolyn Jacob</i> Chicago Cosmetic Surgery and Dermatology, Chicago, IL
1:02 PM - 1:05 PM	COMPUTED TOMOGRAPHY (CT) BASED EVIDENCE OF SIMULTANEOUS CHANGES IN HUMAN ADIPOSE AND MUSCLE TISSUES FOLLOWING A HIGH INTENSITY FOCUSED ELECTRO-MAGNETIC FIELD (HIFEM) APPLICATION: A NEW METHOD FOR NON-INVASIVE BODY SCULPTING <i>David E. Kent</i> Dermatologic Surgery Specialists, Macon, GA
1:06 PM - 1:09 PM	HIGH INTENSITY FOCUSED ELECTRO-MAGNETIC THERAPY (HIFEM) EVALUATED BY MAGNETIC RESONANCE IMAGING (MRI): SAFETY AND EFFICACY STUDY OF A DUAL TISSUE EFFECT BASED NON-INVASIVE ABDOMINAL BODY SHAPING <i>Brian M. Kinney</i> Plastic Surgery Excellence, Beverly Hills, CA
1:10 PM - 1:15 PM	Q&A and Conclusion - Murad Alam & Emil A. Tanghetti

Basic Science and Translational Research - Abstract Session

Friday, April 13 | 1:30 PM - 5:30 PM | Room: Cortez CD

AMA PRA CATEGORY 1 CME CREDITS™: 3.25 MAX

Participants Clinicians, engineers, scientists, researchers, developers.

Background Requirements Basic knowledge of light-tissue interactions.

Educational Needs/Expected Learning Objectives These sessions will promote understanding of fundamental light-tissue interactions, laboratory evaluation of new technologies and methodologies, and applications of these technologies and methodologies in *in-vitro* and *in-vivo* studies. Ideas presented in this session are expected to impact clinical research studies and medical device development. Participants will learn about:

- » Fundamental light-tissue interactions and measurements of tissue properties
- » Biological response of cells and tissues to low-light therapeutics
- » New diagnostic and treatment approaches
- » Preclinical evaluation of novel therapeutic approaches using light and energy-based devices
- » Micro-, meso-, and macroscopic approaches to assess the biological tissue response to light and energy-based devices
- » First-in-man application of light and energy-based technologies
- » Methods and technologies used for monitoring therapeutic interventions

Hot topics

- » New treatment approaches for lipolysis, including cryolipolysis
- » Structural and advanced functional imaging
- » Image-guided interventions
- » Advances in optical coherence tomography and multiphoton microscopy
- » Low-light therapeutic approaches to eradicate bacteria and modulate cell behavior

Chair(s) Bernard Choi, PhD; Gracie Vargas, PhD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:31 PM	Introduction - Bernard Choi & Gracie Vargas
IMAGING I - IMAGE BASED MONITORING	
1:32 PM - 1:39 PM	MULTIPHOTON MICROSCOPY OF COLLAGEN STRUCTURE IN EX VIVO HUMAN SKIN FOLLOWING ELECTROCHEMICAL THERAPY Allison C. Hu ♦→ University of California, Irvine, CA
1:40 PM - 1:47 PM	MONITORING NANOSECOND PULSED LASER THERMAL DYNAMICS IN TISSUE USING OPTICAL COHERENCE TOMOGRAPHY Nitesh Katta University of Texas at Austin, Austin, TX
1:48 PM - 1:55 PM	THE USE OF OPTICAL COHERENCE TOMOGRAPHY IN THE ASSESSMENT OF ACNE-LIKE INFLAMMATORY LESIONS IN RESPONSE TO A TOPICAL MINOCYCLINE GEL TREATMENT ON A MOUSE MODEL Maiko Hermsmeier BioPharmX, Menlo Park, CA
1:56 PM - 2:02 PM	Q&A
2:03 PM - 2:10 PM	OPTICAL POLARIZATION IMAGING FOR GUIDING SKIN CANCER SURGERY – A PILOT TRIAL Peter R. Jermain ♦→ University of Massachusetts Lowell, Lowell, MA
2:11 PM - 2:18 PM	DOPPLER OCT WITH A VORTEX BEAM Jason B. King ♦ University of Texas at Austin, Austin, TX

TIME	TITLE - PRESENTING AUTHOR
2:19 PM - 2:26 PM	INTRAOPERATIVE TISSUE TEMPERATURE MONITORING BASED ON SPECKLE OPTICAL COHERENCE TOMOGRAPHY DURING CUTANEOUS LASER THERAPY Mary Sheu Johns Hopkins School of Medicine, Baltimore, MD
2:27 PM - 2:34 PM	SPATIAL FREQUENCY DOMAIN IMAGING FOR BURN WOUND ASSESSMENT: A CASE SERIES Anna-Marie Hosking ♦ University of California, Irvine, CA
2:35 PM - 2:44 PM	Q&A
2:45 PM - 3:30 PM	BREAK
PRECLINICAL THERAPEUTICS	
3:31 PM - 3:38 PM	MECHANICAL ASSESSMENT OF A DEVICE DEDICATED TO INTRAOPERATIVE PHOTODYNAMIC THERAPY FOR GLIOBLASTOMA TREATMENT Maximilien Vermandel University of Lille, Image Assisted Laser Therapy for Oncology, Lille, France
3:39 PM - 3:46 PM	EVALUATION OF CELL DEATH MECHANISMS CAUSED BY CONDUCTIVE POLYMER NANOPARTICLE-MEDIATED PHOTOTHERMAL THERAPY Madeline E. Huff ♦→ Texas State University, San Marcos, TX
3:47 PM - 3:54 PM	FLUORESCENCE IMAGING AND PHOTOTHERAPY OF BREAST CANCER USING ERYTHROCYTE-DERIVED NEAR INFRARED NANOPARTICLES Joshua Burns University of California - Riverside, Riverside, CA
3:55 PM - 4:02 PM	LASER-ASSISTED DELIVERY OF A SYNERGISTIC COMBINATION CHEMOTHERAPY IN IN VIVO SKIN Emily Wenande Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA
4:03 PM - 4:10 PM	FRACTIONAL LASER-ASSISTED DELIVERY OF TOPICAL BLEOMYCIN – QUANTIFICATION AND IMAGING WITH MASS SPECTROMETRY Kristoffer K. Hendel ♦ Department of Dermatology, Bispebjerg Hospital, Copenhagen, Denmark
4:11 PM - 4:19 PM	Q&A
4:20 PM - 4:27 PM	MOUSE MODEL OF COLD-INDUCED LOCALIZED FAT LOSS (SELECTIVE CRYOLIPOLYSIS) Nunciada Salma Massachusetts General Hospital, Charlestown, MA
4:28 PM - 4:35 PM	EVALUATION OF SCARRING AND HEALING IN NO-ADHESIVE NIR LASER TISSUE BONDING Vidyasagar Sriramoju The City College of New York, New York, NY
4:36 PM - 4:43 PM	TEMPERATURE DEPTH PROFILES INDUCED IN HUMAN SKIN IN VIVO USING PULSED 532, 975, AND 1064nm IRRADIATION Matija Milanic University of Ljubljana, Ljubljana, Slovenia
4:44 PM - 4:51 PM	FEASIBILITY OF A NOVEL POLYCHROMATIC NEAR-INFRARED LASERS DIODE - AN IN VIVO SAFETY STUDY Joseph Lepselter Alma Lasers Ltd., Caesarea, Israel
4:52 PM - 4:58 PM	NON-INVASIVE OPTOACOUSTIC THERANOSTICS Rinat Esenaliev University of Texas Medical Branch, Galveston, TX
4:59 PM - 5:07 PM	Q&A
IMAGING I - IMAGE BASED MONITORING	
5:08 PM - 5:14 PM	THE EFFECT OF MELANIN ON IN VIVO OPTICAL IMAGING OF SKIN AND HAIR FOLLICLE MORPHOLOGY IN MULTIETHNIC COHORT Chloe N. Ekelem University of California, Irvine, CA
5:15 PM - 5:22 PM	FROM ORAL TO TOPICAL DELIVERY – AN IN VIVO STUDY OF SUSTAINED CUTANEOUS RELEASE OF VISMODEGIB USING ABLATIVE FRACTIONAL LASER AND MICRO-EMULSION VEHICLE Uffe Høgh Olesen ♦ Department of Dermatology, Bispebjerg Hospital, Copenhagen, Denmark
5:22 PM - 5:30 PM	Q&A and Conclusion - Bernard Choi & Gracie Vargas

Clinical Applications - Cutaneous - Abstract Session

Friday, April 13 | 1:30 PM - 5:30 PM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 3.25 MAX

Participants This session is for all health care practitioners, engineers, scientists, or any interested individuals working with lasers and energy-based devices. All health care personnel will benefit by learning how to maximize results of treatment of cutaneous conditions 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.

Educational Needs/Expected Learning Objectives This session will explore the use of lasers and energy-based devices to treat a wide spectrum of cutaneous conditions. Controlled studies demonstrating objective evidence in support of new devices and new uses of established devices will be presented. Attendees will be encouraged to participate in discussion of the presented data. Updating current knowledge on the use of energy-based devices as well as maximizing results and minimizing complications will be a prime objective of this session.

Hot Topics

- » Pigment: Treating it becomes cool
- » Picosecond Technology: Expanding horizons and applications
- » Fat Removal: Getting closer to making the scalpel obsolete

Chair(s) Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD

Expert Q&A Panelist(s) R. Rox Anderson, MD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:35 PM	Introduction - Paul M. Friedman & Omar A. Ibrahim
FAT REMOVAL	
1:36 PM - 2:00 PM	A NON-INVASIVE CRYOLIPOLYSIS DEVICE VERSUS A HIGH INTENSITY FOCUSED ULTRASOUND DEVICE FOR FAT REDUCTION: A RANDOMIZED CLINICAL TRIAL <i>Farhaad R. Riyaz</i> ♦ → Northwestern Memorial Hospital, Chicago, IL
2:01 PM - 2:05 PM	CHANGES IN 3-D ULTRASOUND MEASUREMENTS IN FAT FOLLOWING A 1060nm NON-INVASIVE DIODE LASER <i>Lawrence S. Bass</i> Bass Plastic Surgery, New York, NY
2:06 PM - 2:10 PM	SIMULTANEOUS BILATERAL CRYOLIPOLYSIS USING A CUP APPLICATOR FOR NON-INVASIVE FAT REDUCTION IN THE ENLARGED MALE BREAST <i>Girish S. Munavalli</i> Wake Forest University, Charlotte, NC
2:11 PM - 2:15 PM	IMPACT OF EXPOSURE TIME AND POST TREATMENT MASSAGE ON SUBCUTANEOUS FAT THICKNESS REDUCTION USING A MONOPOLAR RADIOFREQUENCY DEVICE <i>Ashish C. Bhatia</i> DuPage Medical Group, Naperville, IL
2:16 PM - 2:20 PM	NON-INVASIVE SUBCUTANEOUS FAT REDUCTION USING A SMALL CONTOURED CUP CRYOLIPOLYSIS APPLICATOR IN ASIAN SUBJECTS <i>Samantha Y. Shek</i> Division of Dermatology, Department of Medicine, The University of Hong Kong, Hong Kong SAR, China
2:21 PM - 2:25 PM	TREATMENT OF AXILLARY HYPERHIDROSIS USING A NON-INVASIVE 1060nm DIODE LASER <i>Bruce E. Katz</i> Juva Skin & Laser Center, New York, NY
2:26 PM - 2:30 PM	A CUSTOMIZED APPROACH FOR ARM FAT REDUCTION USING CRYOLIPOLYSIS <i>Jason K. Rivers</i> Pacific Derm, Vancouver, BC, Canada
2:31 PM - 2:36 PM	Q&A

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

TIME	TITLE - PRESENTING AUTHOR
SKIN TIGHTENING	
2:37 PM - 2:41 PM	SAFETY AND EFFICACY OF A NOVEL MICRO-EXCISIONAL DEVICE FOR FACIAL REJUVENATION <i>Roy G. Geronemus</i> Laser and Skin Surgery Center of New York, New York, NY
2:42 PM - 2:44 PM	Q&A
2:45 PM - 3:30 PM	BREAK
VASCULAR	
3:31 PM - 3:35 PM	PULSED-DYE LASER TREATMENT OF ROSACEA USING A NOVEL LASER WITH A 15mm DIAMETER TREATMENT BEAM <i>Eric F. Bernstein</i> Main Line Center for Laser Surgery, Ardmore, PA
3:36 PM - 3:40 PM	USE OF A NOVEL 589nm SOLID-STATE LASER FOR TREATMENT OF FACIAL ERYTHEMA <i>Diana Cohen</i> ♦ Skin Laser & Surgery Specialists of NY and NJ, Hackensack, NJ
3:41 PM - 3:45 PM	LASER TREATMENT OF PORT WINE STAINS IN INFANCY: A RETROSPECTIVE REVIEW OF 223 CASES <i>Hana Jeon</i> ♦ Laser & Skin Surgery Center of New York, New York, NY
3:46 PM - 3:50 PM	OPTICAL COHERENCE TOMOGRAPHY EVALUATION OF TOPICAL OXYMETAZOLINE HYDROCHLORIDE TREATMENT EFFICACY FOR ROSACEA <i>David H. McDaniel</i> McDaniel Institute of Anti Aging Research, Virginia Beach, VA
3:51 PM - 3:55 PM	EVALUATION OF THE EFFICACY AND SAFETY OF IPL USING A KTP FILTER FOR THE TREATMENT OF FACIAL TELANGIECTASIA <i>Jennifer D. Peterson</i> Suzanne Bruce & Associates, Houston, TX
3:56 PM - 4:00 PM	NOVEL PULSED DYE LASER FOR FACIAL REJUVENATION <i>E. Victor Ross</i> Scripps Clinic, San Diego, CA
4:01 PM - 4:06 PM	Q&A
PIGMENT	
4:07 PM - 4:11 PM	A PROSPECTIVE, SPLIT-FACE, RANDOMIZED STUDY COMPARING PICOSECOND LASER TO Q-SWITCHED LASER FOR TREATMENT OF EPIDERMAL AND DERMAL PIGMENTED LESIONS IN ASIANS <i>Woraphong Manuskiatti</i> Department of Dermatology, Faculty of Medicine Siriraj Hospital, Bangkok, Bangkoknoi, Thailand
4:12 PM - 4:16 PM	A COMPARATIVE STUDY WITH A PICOSECOND ALEXANDRITE WITH A DIFFRACTIVE LENS ARRAY OR A FLAT OPTIC IN DARK ASIAN PATIENTS IN A SUNNY ENVIRONMENT <i>Emil A. Tanghetti</i> Center for Dermatology and Laser Surgery, Sacramento, CA
4:17 PM - 4:21 PM	PROSPECTIVE STUDY OF REMOVING SOLAR LENTIGINES USING PICOSECOND 532nm Nd:YAG LASER FOR ASIAN PATIENTS <i>Kei Negishi</i> Institute of Geriatrics, Tokyo Women's Medical University, Shibuya, Tokyo, Japan
4:22 PM - 4:26 PM	SUCCESSFUL AND SAFE RESULTS IN THE TREATMENT OF COMBINED LESIONS OF MELASMA WITH BLEMISHES USING COMBINATION TREATMENT OF Q-SWITCHED 1064nm Nd:YAG LASER AND 755nm PICOSECOND LASER <i>Joonhong Park</i> Maymorning Skin Clinic, Sungnam, Kyunggi, Korea
4:27 PM - 4:31 PM	THE USE OF 1064nm Nd:YAG PICOSECOND LASER FOR THE TREATMENT OF HYPERPIGMENTED SCARS: A CASE REPORT SERIES <i>Ofir Artzi</i> Department of Dermatology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel
4:32 PM - 4:36 PM	CLINICAL EVALUATION OF A NOVEL PICOSECOND 670nm WAVELENGTH FOR THE TREATMENT OF BENIGN PIGMENTED LESIONS <i>Omar A. Ibrahim</i> Connecticut Skin Institute, Stamford, CT
4:37 PM - 4:41 PM	FIRST CLINICAL USE OF NON-THERMAL NANO-PULSE STIMULATION TO ELIMINATE SEBORRHEIC KERATOSIS LESIONS <i>Thomas E. Rohrer</i> SkinCare Physicians, Chestnut Hill, MA
4:42 PM - 4:52 PM	Q&A
SCARS	
4:53 PM - 4:57 PM	PULSED DYE LASER TREATMENT PRIOR TO SURGICAL EXCISION <i>Catherine M. DiGiorgio</i> ♦ Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA

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TIME	TITLE - PRESENTING AUTHOR
4:58 PM - 5:02 PM	REPORTING THE PHENOMENON OF "PERSISTENT PIXEL STAMPING MARKS", FOLLOWING FRACTIONAL CARBON DIOXIDE LASER REJUVENATION OF SCARS <i>Samia M. Esmat</i> Cairo University, Cairo, Egypt
5:03 PM - 5:07 PM	LASER TREATMENT IN EARLY WOUND HEALING TO PROMOTE PHYSIOLOGICAL SKIN REMODELING - A RANDOMIZED CONTROLLED TRIAL <i>Katrine E. Karmisholt</i> ♦→ Bispebjerg Hospital, Copenhagen, Denmark
5:08 PM - 5:11 PM	Q&A
5:12 PM - 5:30 PM	Expert Q&A Panel and Conclusion - R. Rox Anderson, Paul M. Friedman & Omar A. Ibrahimi

Clinical Applications - Gynecologic/ Women's Health - Abstract Session

Friday, April 13 | 1:30 PM - 5:30 PM | Room: Wedgwood Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 3.25 MAX

Participants Specialists in energy-based technologies and therapies, gynecologists, urogynecologists, menopausal medicine specialists, urologists, dermatologists, plastic surgeons and aesthetic gynecologists.

Background Requirements A mixed audience is expected, therefore there is no need for special background requirements.

Educational Needs/Expected Learning Objectives Technologies and delivery systems designed for vaginal use will be presented. These include: CO₂, Er:YAG and Nd:YAG lasers, Radiofrequency, Matrix Radiofrequency and HIFEM. Technical details and clinical outcomes will be discussed.

Hot topics

- » Clinical outcomes and long term follow-up of energy-based therapies for vaginal and urinary symptoms
- » Well-established laser technologies
- » New delivery systems for RF, Matrix RF and HIFEM dedicated for vaginal treatments

Chair(s) Oscar A. Aguirre, MD, FACOG, FPMRPS; Yona Tadir, MD

Special Speaker(s) Cheryl B. Iglesia, MD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:35 PM	Introduction and A Brief History of Lasers in Women's Health - Oscar A. Aguirre
1:36 PM - 1:44 PM	Overview of "Light and Energy-Based Therapeutics for Genitourinary Syndrome of Menopause: Consensus and Controversies" - Yona Tadir
1:45 PM - 2:00 PM	The 2018 - ASLMS Women's Health Research Puzzle - Yona Tadir
2:01 PM - 2:05 PM	Q&A
RADIOFREQUENCY FOR VAGINAL APPLICATIONS	
2:06 PM - 2:14 PM	TEMPERATURE CONTROLLED RADIOFREQUENCY ELECTROCOAGULATION FOR THE TREATMENT OF VULVOVAGINAL TISSUE LAXITY <i>Susan G. Murrmann</i> Methodist University and Baptist Memorial, Memphis, TN
2:15 PM - 2:23 PM	<i>Best of Clinical Applications - Gynecology and Women's Health Session Award Recipient:</i> SAFETY AND MECHANISM OF ACTION OF NON-INVASIVE RADIOFREQUENCY TREATMENT FOR VAGINAL LAXITY: HISTOLOGICAL STUDY IN THE SWINE VAGINAL MODEL <i>David E. Kent</i> Dermatologic Surgery Specialists, Macon, GA
2:24 PM - 2:32 PM	THE TREATMENT OF VAGINAL LAXITY USING A NOVEL FRACTIONAL MATRIX RADIOFREQUENCY <i>Sherry Thomas</i> The American Association of Female Pelvic Medicine Specialists, Agoura Hills, CA
2:33 PM - 2:44 PM	Q&A
2:45 PM - 3:30 PM	BREAK
CO₂ LASER FOR VAGINAL APPLICATIONS	
3:31 PM - 3:39 PM	EARLY EFFECT OF FRACTIONAL CO₂ LASER TREATMENT IN POST-MENOPAUSAL WOMEN WITH VAGINAL ATROPHY <i>Scott E. Eder</i> Center for Women's Health & Wellness, LLC, Plainsboro, NJ
3:40 PM - 3:48 PM	PIXELATED CO₂ LASER TREATMENT FOR GENITOURINARY SYNDROME OF MENOPAUSE: A PROSPECTIVE STUDY <i>Jeffrey Schachar</i> ♦→ Cleveland Clinic Florida, Weston, FL

TIME	TITLE - PRESENTING AUTHOR
3:49 PM - 3:57 PM	IMPROVEMENT IN VULVOVAGINAL ATROPHY SYMPTOMS FOLLOWING FRACTIONAL CO₂ LASER <i>Stephen Swanson</i> Women's Clinic of Lincoln, P.C., Lincoln, NE
3:58 PM - 4:06 PM	THE TREATMENT OF ATROPHIC VAGINITIS USING A NOVEL SUPERPULSED FRACTIONAL CO₂ <i>Sherry Thomas</i> The American Association of Female Pelvic Medicine Specialists, Agoura Hills, CA
4:07 PM - 4:15 PM	THE EFFECT OF PIXELATED CO₂ LASER ON THE VAGINAL EPITHELIUM IS NOT THE SAME AS THAT OF LOCAL ESTROGEN: CYTOLOGIC EVIDENCE <i>Jeffrey Schachar</i> ♦ Cleveland Clinic Florida, Weston, FL
4:16 PM - 4:22 PM	Q&A
4:23 PM - 4:38 PM	Regulatory Issues Related to Energy-based Therapeutic in Women's Health - Cheryl B. Iglesia
4:39 PM - 4:44 PM	Q&A
PDT / PHOTOBIMODULATION	
4:45 PM - 4:53 PM	HISTOPATHOLOGICAL EVALUATION PRE AND POST TREATMENT WITH TOPICAL CORTICOSTEROID AND PHOTODYNAMIC THERAPY FOR VULVAR LICHEN SCLEROSUS <i>Renata Belotto</i> ♦ Universidade Nove de Julho, São Paulo, Brazil
4:54 PM - 5:02 PM	OUTCOME STUDY AFTER COMPARING PHOTODYNAMIC THERAPY AND EXCISION OF TRANSFORMATION ZONE FOR HIGH GRADE INTRAEPITHELIAL NEOPLASIA: 18 MONTHS OF OBSERVATION PROTOCOL <i>Renata Belotto</i> ♦→ Universidade Nove de Julho, São Paulo, Brazil
5:03 PM - 5:11 PM	VULVAR LICHEN SCLEROSUS: HISTOPATHOLOGICAL EVALUATION AFTER POST PHOTOBIMODULATION TREATMENT AND TOPICAL CORTICOSTEROID <i>Renata Belotto</i> ♦ Universidade Nove de Julho, São Paulo, Brazil
5:12 PM - 5:20 PM	EFFECT OF LOW LEVEL LASER ACUPUNCTURE ON HOT FLASHES AND QUALITY OF LIFE IN POST-MENOPAUSAL WOMEN <i>Eitedal M. Daoud</i> Medical Division National Research Centre, Giza, Egypt
5:21 PM - 5:28 PM	Q&A
5:29 PM - 5:30 PM	Closing - Oscar A. Aguirre & Yona Tadir

Clinical Applications - Multi-Specialty - Abstract Session

Friday, April 13 | 1:30 PM - 2:45 PM | Room: Cortez AB

AMA PRA CATEGORY 1 CME CREDITS™: 1.25 MAX

Participants Any scientist, student, engineer, medical practitioner, and personnel involved in other aspects of health care, and/or industries, as well as all with an interest in these topical areas are invited to attend.

Background Requirements Individuals who participate in the sessions should have a basic interest in laser medicine and surgery and the potential applications of these technologies. Although it is not a prerequisite, attendees would ideally have some basic understanding of laser tissue interactions. Individual attendees do not need to have significant experience or expertise in laser medicine or surgery.

Educational Needs/Expected Learning Objectives This section will present and discuss topical surgical applications in a variety of disciplines and research. Relevant clinical and laboratory investigations and patient outcomes will be highlighted. It is expected that interdisciplinary interaction and dialogue regarding laser tissue interaction, clinical and basic research results will provide new insights and meet the educational need of participants attending these sessions. After engaging in this educational activity, participants will be able to describe current techniques, and discuss improvements in clinical practice and clinical outcomes. It is hoped that dialogue and didactic material will enable the participants to formulate new ideas and apply new techniques and principles to solve clinical problems relevant to their scope of practice.

Hot Topics

- » Optical Imaging
- » Radiofrequency
- » PDT/Photobiomodulation

Chair(s) Praveen Arany, DDS, MDS, MMSc, PhD; Raymond J. Lanzafame, MD, MBA, FACS

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:35 PM	Introduction - Raymond J. Lanzafame
OPTICAL IMAGING	
1:36 PM - 1:44 PM	<i>Dr. Richard E. Fitzpatrick Clinical Research and Innovations (Best Overall Clinical) Award Recipient</i> and <i>Best of Clinical Applications - Multi-Specialty Award Recipient</i> FIRST CLINICAL RESULTS: OPTICAL SMARTPHONE-BASED ORAL CANCER SCREENING <i>Vania Firmalino</i> ♦→ Beckman Laser Institute, University of California, Irvine, CA
1:45 PM - 1:50 PM	Q&A
RADIOFREQUENCY	
1:51 PM - 1:59 PM	A TWO STEP APPROACH USING A RADIOFREQUENCY DEVICE TO TREAT DRY EYE SYMPTOMS ASSOCIATED WITH MEIBOMIAN GLAND DYSFUNCTION AND CONJUNCTIVOCHALASIS <i>Edward H. Jaccoma</i> New England Dry Eye, Kittery, ME
2:00 PM - 2:05 PM	Q&A
PDT	
2:06 PM - 2:14 PM	INDYGO: FOLLOW-UP AND PRELIMINARY RESULTS OF THE FIRST EVER PILOT CLINICAL TRIAL ON INTRAOPERATIVE 5-ALA PDT FOR THE TREATMENT OF NEWLY DIAGNOSED GLIOBLASTOMA <i>Maximilien Vermandel</i> University of Lille, Image Assisted Laser Therapy for Oncology, Lille, France

TIME	TITLE - PRESENTING AUTHOR
PHOTOBIO-MODULATION	
2:15 PM - 2:23 PM	<i>Best of Session: Clinical Applications - Multi-Specialty - Photobiomodulation Award Recipient:</i> CAN PHOTOBIO-MODULATION THERAPY IMPROVE BRONCHIAL HYPER-RESPONSIVENESS IN ASTHMATIC PATIENTS: A CLINICAL STUDY <i>Nathali Cordeiro Pinto</i> ♦→ University of Nove de Julho, São Paulo, São Paulo, Brazil
2:24 PM - 2:32 PM	EFFECTS OF PHOTOBIO-MODULATION THERAPY IN SURGICAL WOUND HEALING OF ABDOMINAL WALL HERNIORRHAPHY: A PILOT STUDY <i>Fabrcio S. da Silva</i> ♦→ Universidade Nove de Julho, São Paulo, Brazil
2:33 PM - 2:40 PM	Q&A
2:41 PM - 2:45 PM	Closing Discussion and Comments - Praveen Arany & Raymond J. Lanzafame

Ask Me Anything - Special Event (Non-CME)

Friday, April 13 | 3:10 PM - 3:30 PM | Room: Trinity Exhibit Hall

CREDITS

Hosts Tina S. Alster, MD; Gary P. Lask, MD

Description This event provides attendees with the opportunity to listen to and participate in an energetic, open questions/answers discussion. Inquiries to the session hosts may focus on devices, clinical approaches and personal recommendations for practice.

TIME	TITLE - PRESENTING AUTHOR
3:10 PM - 3:30 PM	Open Q&A - Tina S. Alster & Gary P. Lask

Tech Connect - Special Event (Non-CME)

Friday, April 13 | 5:30 PM - 7:30 PM | Room: Trinity Ballroom

Educational Needs

- » Novice practitioners just introducing or having minimal experience using light energy, radio-frequency, 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.

Participants No specific participant details.

Background Requirements No specific background requirements.

Educational Needs/Expected Learning Objectives As a result of expert panel members sharing their perspectives regarding specific technologies and procedural approaches, participants will be able to:

- » Learn about a broad spectrum of devices that can be considered for use in clinical practice.
- » Gain introduction to the use of specific devices for specific clinical procedures.
- » Compare and contrast specific devices for specific procedures.
- » Understand the benefits and disadvantages of using specific devices for specific procedures.
- » Determine which device(s) to purchase for use in their clinical practice.
- » Understand the limitations of devices which they currently use in their practice.
- » 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.

Director(s) Roy G. Geronemus, MD; Christopher B. Zachary, MBBS, FRCP

Speaker(s) Red M. Alinsod, MD; Tina S. Alster, MD; Mathew M. Avram, MD, JD; Eliot F. Battle Jr., MD; Eric F. Bernstein, MD, MSE; G. Willy Davila, MD; Paul M. Friedman, MD; Suzanne L. Kilmer, MD; Jason N. Pozner, MD; Yona Tadir, MD; Emil A. Tanghetti, MD; Jill S. Waibel, MD

TIME	SPEAKER	TOPIC
5:30 PM - 5:32 PM	Roy G. Geronemus & Christopher B. Zachary	Introduction
5:33 PM - 5:38 PM	G. Willy Davila	Vaginal Rejuvenation
5:39 PM - 5:44 PM	Red M. Alinsod	
5:45 PM - 5:50 PM	Yona Tadir	
5:51 PM - 6:01 PM		Q&A
6:02 PM - 6:07 PM	Jason N. Pozner	Skin Rejuvenation
6:08 PM - 6:13 PM	Mathew M. Avram	
6:14 PM - 6:19 PM	Emil A. Tanghetti	
6:20 PM - 6:30 PM		Q&A
6:31 PM - 6:36 PM	Eliot F. Battle, Jr.	Skin of Color
6:37 PM - 6:42 PM	Eric F. Bernstein	
6:43 PM - 6:48 PM	Suzanne L. Kilmer	
6:49 PM - 6:59 PM		Q&A

TIME	SPEAKER	TOPIC
7:00 PM - 7:05 PM	Jill S. Waibel	Scars/Striae
7:06 PM - 7:11 PM	Paul M. Friedman	
7:12 PM - 7:17 PM	Tina S. Alster	
7:18 PM - 7:28 PM		Q&A
7:29 PM - 7:30 PM	Roy G. Geronemus & Christopher B. Zachary	Conclusion

Basic Mechanisms of Photobiomodulation - Workshop

Saturday, April 14 | 7:00 AM - 9:00 AM | Room: Cortez AB

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants 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.

Educational Needs/Expected Learning Objectives

- » Basic understanding on the mechanisms involved in light/tissue interaction and the importance of wavelength selection and use of appropriate parameters and dosing in the photobiomodulation community. The session will discuss the mechanisms involved in the PBM effects observed clinically, describe appropriate wavelengths, parameters and dosing. Safety considerations and available technologies will be presented. Clinical correlations will be stressed.
- » Improved performance, competence and outcomes as clinicians will be better able to select appropriate patients, devices, application strategies and assessment strategies.
- » Strategies to address clinical problems and improved understanding will result in increased professional effectiveness, and enhanced patient safety.

Director(s) Juanita J. Anders, PhD; Raymond J. Lanzafame, MD, MBA, FACS

Faculty G. David Baxter, TD, DPhil, MBA; Francisco Gonzalez-Lima, PhD; David H. McDaniel, MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Raymond J. Lanzafame
7:06 AM - 7:26 AM	Understanding the Scientific Basics of Photobiomodulation for Effective Clinical Application - Juanita J. Anders
7:27 AM - 7:47 AM	The Role of Photobiomodulation in Management of Musculoskeletal Injury and Pain - G. David Baxter
7:48 AM - 7:52 AM	Q&A / Discussion
7:53 AM - 8:13 AM	Transcranial PBM Effects on Human Cerebrovasculature and Cognition - Francisco Gonzalez-Lima
8:14 AM - 8:34 AM	Cutaneous Photobiomodulation: Benchtop to Bedside - David H. McDaniel
8:35 AM - 8:55 AM	Photobiomodulation and Clinical Effects: A Convergence of Mechanisms - Raymond J. Lanzafame
8:56 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Raymond J. Lanzafame

Devices in Women's Genitourinary Health: Clinical Research and Current Trials - Workshop

Saturday, April 14 | 7:00 AM - 9:00 AM | Room: Wedgwood Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants Gynecologists, urologists, dermatologists in laser specialties.

Background Requirements Basic understanding of genitourinary disorders, treatment options, and current technologies in development, the genitourinary anatomy and of ablative, non-ablative, fractional, and radiofrequency devices.

Educational Needs/Expected Learning Objectives This workshop will present the clinical trials underway for genitourinary applications of lasers and energy based devices and the current clearances and the gaps in FDA clearances for marketing of lasers and devices in GU applications.

Director(s) Macrene R. Alexiades, MD, PhD; Nathan L. Guerette, MD, FPMRS, FACOG

Faculty Cheryl B. Iglesia, MD; Yona Tadir, MD; Sherry Thomas, MD, MPH

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:04 AM	Introduction and Pre-Test - Macrene R. Alexiades
7:05 AM - 7:25 AM	Clinical Trials on Fractional CO₂ for Atrophic Vaginitis - Macrene R. Alexiades
7:26 AM - 7:46 AM	Clinical Trials on Hybrid Fractional - Nathan L. Guerette
7:47 AM - 8:07 AM	Clinical Trials on Fractional CO₂ for Lichen Sclerosus - Cheryl B. Iglesia
8:08 AM - 8:28 AM	Clinical Trials on Radiofrequency for Vaginal Laxity - Sherry Thomas
8:29 AM - 8:49 AM	International Update on Genitourinary Devices - Yona Tadir
8:50 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Nathan L. Guerette

Laser and Energy-Based Treatments for Leg Veins - Workshop

Saturday, April 14 | 7:00 AM - 9:00 AM | Room: Cortez CD

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants This session is intended for physicians interested in treating large and small vein disease.

Background Requirements This session is intended for both novice and advanced practitioners.

Educational Needs/Expected Learning Objectives Physicians will learn how to avoid and manage complications when using energy based devices to treat leg veins in patients of all skin types. Pre and post procedural guidelines for the patient will be emphasized. This session will present the latest laser technologies that can be applied to treat spider, reticular and varicose veins, technical considerations as well as evidence-based clinical studies.

Director(s) Neil S. Sadick, MD; Robert A. Weiss, MD, FAAD

Faculty Daniel P. Friedmann, MD; Girish S. Munavalli, MD, MHS

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Neil S. Sadick & Robert A. Weiss
7:06 AM - 7:26 AM	Options for Laser and Energy-based Devices for Leg Vein Treatment - Girish S. Munavalli
7:27 AM - 7:47 AM	Leg Veins: When to Treat with Lasers and When to Treat with Other Modalities: How Do I Choose? - Robert A. Weiss
7:48 AM - 8:08 AM	Combination Therapies for Leg Veins Using Energy-based Devices - Neil S. Sadick
8:09 AM - 8:29 AM	Minimizing Complications of Energy-based Devices for Leg Veins - Daniel P. Friedmann
8:30 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Neil S. Sadick & Robert A. Weiss

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Laser Safety in the Practice Environment - Workshop

Saturday, April 14 | 7:00 AM - 9:00 AM | Room: Coronado BCD

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants The 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 No background required, just a willingness to learn.

Educational Needs/Expected Learning Objectives

- » Physicians will learn to evaluate the immediate skin responses (endpoints) that impact safety and efficacy.
- » Physicians will be able to describe the potentially harmful effects of energy based vaporized tissue plume and ejected tissue particles on staff and patients along with the appropriate safety procedural controls.
- » Physicians will be able to describe common local and topical anesthetics, dosimetry, clinical effects, signs and symptoms of toxicity, and treatment course for complications.
- » Physicians will have a deeper understanding of their local regulatory environment.
- » Physicians will attend to ocular safety and incorporate safe zones of treatment and protective measures in clinical practice.

Director(s) Patricia A. Owens, RN, MHA, CMLSO, CNOR; Molly Wanner, MD, MBA

Faculty Brian S. Biesman, MD; Catherine M. DiGiorgio, MD; H. Ray Jalian, MD; Kachiu C. Lee, MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Patricia A. Owens & Molly Wanner
7:06 AM - 7:26 AM	Avoiding the Danger Zone: Safe and Unsafe Clinical Endpoints in Laser Surgery - Molly Wanner
7:27 AM - 7:42 AM	Local and Topical Anesthetics: Combinations, Dosimetry, and Complications - H. Ray Jalian
7:43 AM - 7:58 AM	Ocular Safety with Lasers, Light and Radiofrequency Devices - Brian S. Biesman
7:59 AM - 8:04 AM	Q&A
8:05 AM - 8:22 AM	Aesthetic Plume: Controlling the Hazards - Kachiu C. Lee
8:23 AM - 8:38 AM	The Definitive Standards: ANSI Z136.3 Standards for Laser Treatment Areas - Patricia A. Owens
8:39 AM - 8:54 AM	The Nuances of State Regulations - Catherine M. DiGiorgio
8:55 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Patricia A. Owens & Molly Wanner

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Non-Invasive Body Contouring - Workshop

Saturday, April 14 | 7:00 AM - 9:00 AM | Room: Coronado A

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants All physicians practicing surgical or non-surgical body contouring in their offices.

Background Requirements Participants should have knowledge of anatomy of the fat compartments of the trunk, extremities and face. Participants must also have familiarity of current classification for body contouring devices.

Educational Needs/Expected Learning Objectives Physicians will:

- » Increase their knowledge on the value of body contouring.
- » Learn how to streamline the evaluation and treatment process of patients to lead to better patient outcomes.
- » Increase their knowledge on how different lasers work for fat removal on different areas of the body.

Director(s) Mathew M. Avram, MD, JD; A. Jay Burns, MD

Faculty Barry E. DiBernardo, MD; David J. Goldberg, MD, JD; H. Ray Jalian, MD; Suzanne L. Kilmer, MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Mathew M. Avram & A. Jay Burns
7:06 AM - 7:21 AM	Fat Physiology - H. Ray Jalian
7:22 AM - 7:37 AM	Laser for Fat - Mathew M. Avram
7:38 AM - 7:53 AM	Cryolipolysis - A. Jay Burns
7:54 AM - 8:09 AM	Radiofrequency and Miscellaneous Technologies - David J. Goldberg
8:10 AM - 8:25 AM	Ultrasound - Suzanne L. Kilmer
8:26 AM - 8:41 AM	Laser Lipolysis - Barry E. DiBernardo
8:42 AM - 9:00 AM	Case Studies, Q&A, Conclusion and Post-Test - Mathew M. Avram & A. Jay Burns

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Periorbital Therapies and Rejuvenation - Workshop

Saturday, April 14 | 7:00 AM - 9:00 AM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX | CE CONTACT HOURS: 2.20 MAX

Participants The target audience can be any physician, PA, 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.

Educational Needs/Expected Learning Objectives Physicians will learn proper techniques to administer injectables as well as the proper use of periocular lasers to maximize results while minimizing complications. Additionally, this course will entail measures of precautions to minimize technological complications.

Director(s) Brian S. Biesman, MD; Michael H. Gold, MD

Faculty Alan Brackup, MD; Gabriela R. Casabona, MD; Joel L. Cohen, MD, FAAD, FACMS; Jason N. Pozner, MD

TIME	TITLE - PRESENTING AUTHOR
7:00 AM - 7:05 AM	Introduction and Pre-Test - Brian S. Biesman & Michael H. Gold
7:06 AM - 7:20 AM	Surgical Anatomy/Overview of Eyelid Surgery - Alan Brackup
7:21 AM - 7:34 AM	Periorbital Fillers - Gabriela R. Casabona
7:35 AM - 7:49 AM	Periorbital Use of Toxins - Joel L. Cohen
7:50 AM - 8:04 AM	Resurfacing and Radiofrequency Devices - Michael H. Gold
8:05 AM - 8:19 AM	Diagnosis and Management of Complications in the Periorbital Region - Jason N. Pozner
8:20 AM - 8:34 AM	Combination Therapy - Brian S. Biesman
8:35 AM - 9:00 AM	Q&A, Conclusion and Post-Test - Brian S. Biesman & Michael H. Gold

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Magic Wand: Lab to Clinic Problem Solving - Special CME Session

Saturday, April 14 | 9:30 AM - 10:30 AM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 1.50 MAX | CE CONTACT HOURS: 1.50 MAX

Participants This activity is designed for clinicians interested in solving unmet clinical needs through innovative research, starting from identifying a problem worth solving, doing proof of concept studies in lab and then inventing novel treatments for use in patients.

Background Requirements Prospective participants do not require any special background requirements.

Educational Needs/Expected Learning Objectives Physicians will learn how to engage in problem based innovation to help solve unmet clinical needs.

Director(s) R. Rox Anderson, MD; Lilit Garibyan, MD, PhD

Faculty Kachiu C. Lee, MD; J. Stuart Nelson, MD, PhD; Fernanda H. Sakamoto, MD, PhD

TIME	TITLE - PRESENTING AUTHOR
9:30 AM - 9:32 AM	Introduction - R. Rox Anderson & Lilit Garibyan
9:33 AM - 9:48 AM	"Magic Wand" Concept - Lilit Garibyan
9:49 AM - 9:59 AM	Decoding Onychomycosis: Applying the "Magic Wand" Problem Solving Method - Kachiu C. Lee
10:00 AM - 10:10 AM	New Materials Science Approaches for Dermatological Problems - Fernanda H. Sakamoto
10:11 AM - 10:21 AM	Selective Photothermolysis of Port Wine Stain Blood Vessels...Then What? - J. Stuart Nelson
10:22 AM - 10:30 AM	Q&A and Conclusion - R. Rox Anderson & Lilit Garibyan

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Cutting Edge: Laser and Skin - Special CME Session

Saturday, April 14 | 10:30 AM - 12:00 PM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 1.50 MAX | CE CONTACT HOURS: 1.50 MAX

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.

Educational Needs/Expected Learning Objectives Physicians will be provided with information on new light based technologies being developed and their clinical applications.

Director(s) Mathew M. Avram, MD, JD; J. Stuart Nelson, MD, PhD

Faculty R. Rox Anderson, MD; Merete Haedersdal, MD, PhD; Roy G. Geronemus, MD; Dieter Manstein, MD, PhD; Robert A. Weiss, MD

TIME	TITLE - PRESENTING AUTHOR
10:30 AM - 10:32 AM	Session Welcome and Introduction - Mathew M. Avram & J. Stuart Nelson
10:33 AM - 10:43 AM	Falling in Love with Robots - R. Rox Anderson
10:44 AM - 10:55 AM	Novel Utilization of Lasers and Related Technologies for Cutaneous Conditions - Roy G. Geronemus
10:56 AM - 11:06 AM	Electromagnetic Fields: Can They be Used for Body Contouring? - Robert A. Weiss
11:07 AM - 11:17 AM	Discussion and Q&A
11:18 AM - 11:28 AM	Laser for Cutaneous Malignancies Now and In the Future - Mathew M. Avram
11:29 AM - 11:39 AM	Laser Transcutaneous Drug Delivery: Game Changing Treatments in the Near Future - Merete Haedersdal
11:40 AM - 11:50 AM	Cool, New Things - Dieter Manstein
11:51 AM - 12:00 PM	Discussion, Q&A and Conclusion - Mathew M. Avram & J. Stuart Nelson

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

ePoster Town Hall - Abstract Session

Saturday, April 14 | 12:15 PM - 1:15 PM | Room: Trinity Exhibit Hall

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX

Participants Clinicians, engineers, scientists, researchers, developers.

Background Requirements No special background requirements.

Educational Needs/Expected Learning Objectives This session will present device applications in a variety of disciplines and research. Relevant clinical and laboratory investigations and patient outcomes will be highlighted.

Hot Topics

- » Other Research Topics
- » Topical Drug and Delivery
- » Device Development
- » Pigmented Lesions and Anomalies
- » Treatment of Superficial Cutaneous Lesions
- » Optical Imaging

Chair(s) Murad Alam, MD, MSCI, MBA; Emil A. Tanghetti, MD

TIME	TITLE - PRESENTING AUTHOR
12:15 PM - 12:18 PM	Introduction - Murad Alam & Emil A. Tanghetti
OTHER RESEARCH TOPICS	
12:19 PM - 12:21 PM	IMPROVING THE PATIENT EXPERIENCE THROUGH THE DEVELOPMENT OF PATIENT-CENTERED LASER CARE PLANS <i>Ronda S. Farah</i> University of Minnesota Department of Dermatology, Minneapolis, MN
TOPICAL DRUG AND DEVICE DELIVERY	
12:22 PM - 12:25 PM	Best of ePoster Town Hall Award Recipient: COMPARATIVE EFFECTIVENESS OF TWO TOPICAL LIDOCAINE MIXTURES TO REDUCE PAIN DURING A NON-ABLATIVE LASER PROCEDURE: A RANDOMIZED CONTROLLED TRIAL <i>Amanda M. Campbell</i> Northwestern University, Chicago, IL
12:26 PM - 12:29 PM	SAFETY OF PERFLUORODECALIN-INFUSED SILICONE PATCH IN PICOSECOND LASER-ASSISTED TATTOO REMOVAL <i>Hao Feng</i> New York University School of Medicine, New York, NY
12:30 PM - 12:33 PM	FRACTIONAL LASER-ASSISTED PERCUTANEOUS DRUG DELIVERY VIA TEMPERATURE-RESPONSIVE LIPOSOMES <i>Takahiro Fujimoto</i> Clinic-F, Toyko, Japan
DEVICE DEVELOPMENT	
12:34 PM - 12:37 PM	MULTI-PHASE STUDY FOR THE VALIDATION AND USABILITY OF A NOVEL RADIOFREQUENCY DEVICE <i>Barry E. DiBernardo</i> New Jersey Plastic Surgery, Montclair, NJ
12:38 PM - 12:41 PM	BIOLOGICAL EFFECT OF A SHORT-PULSED LASER ON THE INFLAMMATORY RESPONSE AND EXPRESSION OF HEAT SHOCK PROTEINS <i>Neda Parchami</i> Florida Institute of Technology, Melbourne, FL
PIGMENTED LESIONS AND ANOMALIES	
12:42 PM - 12:45 PM	AN AUTOMATED MOLE RANKING SYSTEM (MOLELIST) FOR SKIN CANCER SCREENING <i>Yao Zhang</i> UT Austin, Biomedical Engineering, Austin, TX
12:46 PM - 12:49 PM	COMBINATION LASER THERAPY AND TOPICAL HYDROQUINONE DRUG DELIVERY IN THE TREATMENT OF MELASMA <i>Fatima N. Mirza</i> Yale School of Medicine, New Haven, CT

TIME	TITLE - PRESENTING AUTHOR
12:50 PM - 12:53 PM	EVALUATION OF A NOVEL DERMAL CRYOTHERAPY SYSTEM FOR THE TREATMENT OF BENIGN PIGMENTED LESIONS IN ASIAN PATIENTS <i>Samantha Y. Shek</i> The University of Hong Kong, Hong Kong SAR, China
TREATMENT OF SUPERFICIAL CUTANEOUS LESIONS	
12:54 PM - 12:57 PM	EVALUATION AND COMPARISON OF VARIOUS LASER MODALITIES FOR THE TREATMENT OF SEBORRHEIC KERATOSES <i>Monica Boen</i> Cosmetic Laser Dermatology, San Diego, CA
12:58 PM - 1:01 PM	PHOS-ISTOS CLINICAL TRIAL: A NEW SOLUTION FOR PHOTODYNAMIC TREATMENT OF ACTINIC KERATOSIS WITHOUT PAIN <i>Claire Vicentini</i> University of Lille, Lille, France
OPTICAL IMAGING	
1:02 PM - 1:05 PM	EVALUATION OF OPTICAL IMAGES FOR SKIN DISEASES <i>IN VIVO</i> <i>Youngseok Seo</i> WONTECH Co., Ltd., Daejeon, Yuseong, Korea
1:06 PM - 1:09 PM	A NOVEL STEREOSCOPIC OPTICAL SYSTEM FOR OBJECTIVELY MEASURING ABOVE SURFACE SCAR VOLUME - FIRST TIME QUANTIFICATION OF RESPONSES TO VARIOUS TREATMENT MODALITIES <i>Ofir Artzi</i> Department of Dermatology, Tel Aviv Sourasky Medical Center, Tel Aviv, Gush Dan, Israel
1:10 PM - 1:15 PM	Q&A and Conclusion - Murad Alam & Emil A. Tanghetti

Early Career Clinical Pearls - Special CME Session

Saturday, April 14 | 1:30 PM - 5:30 PM | Room: Coronado A

AMA PRA CATEGORY 1 CME CREDITS™: 3.25 MAX

Participants This activity is designed for physicians, residents, and fellows that are interested in learning more about starting a clinical practice and/or issues related to the first years of clinical practice.

Background Requirements This activity requires a medical degree and basic knowledge of clinical and laser medicine.

Educational Needs/Expected Learning Objectives Young physicians will gain insight from peers about starting in an academic or private practice as well as garner tools for navigating their early career.

Director(s) Daniel P. Friedmann, MD; Anthony M. Rossi, MD, FAAD

Faculty Murad Alam, MD, MSCI, MBA; Mathew M. Avram, MD, JD; Stefani Kappel, MD; Vineet Mishra, MD; Utpalkumar Patel, MD, PhD; Heidi Prather, MD; Rachel N. Pritzker, MD; E. Victor Ross, MD; Nazanin Saedi, MD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:35 PM	Introduction - Daniel P. Friedmann & Anthony M. Rossi
1:36 PM - 1:51 PM	Starting Your Practice: Academic vs. Private - Stefani Kappel & Nazanin Saedi
1:52 PM - 2:08 PM	Starting a Clinical Research Practice: Academic vs. Private - Daniel P. Friedmann & Anthony M. Rossi
2:09 PM - 2:24 PM	Post-Residency Fellowships - Heidi Prather
2:25 PM - 2:44 PM	Panel Q&A - Daniel P. Friedmann, Stefani Kappel, Heidi Prather, Anthony M. Rossi & Nazanin Saedi
2:45 PM - 3:31 PM	BREAK
3:32 PM - 3:46 PM	Business Pearls - Utpalkumar Patel
3:47 PM - 4:01 PM	Investing in the Right Devices - E. Victor Ross
4:02 PM - 4:16 PM	Building an Industry Relationship - Mathew M. Avram
4:17 PM - 4:31 PM	Panel Q&A - Mathew M. Avram, Daniel P. Friedmann, Utpalkumar Patel, Anthony M. Rossi & E. Victor Ross
4:32 PM - 4:46 PM	Managing Social Media - Rachel N. Pritzker
4:47 PM - 5:01 PM	Maintaining a Work-Life Balance - Vineet Mishra
5:02 PM - 5:16 PM	Decoding the Initials - Murad Alam
5:17 PM - 5:30 PM	Panel Q&A and Conclusion - Murad Alam, Daniel P. Friedmann, Anthony M. Rossi, Vineet Mishra & Rachel N. Pritzker

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Basic Science and Translational Research - Abstract Session

Saturday, April 14 | 1:30 PM - 5:30 PM | Room: Cortez CD

AMA PRA CATEGORY 1 CME CREDITS™: 3.25 MAX

Participants Clinicians, engineers, scientists, researchers, developers.

Background Requirements Basic knowledge of light-tissue interactions.

Educational Needs/Expected Learning Objectives These sessions will promote understanding of fundamental light-tissue interactions, laboratory evaluation of new technologies and methodologies, and applications of these technologies and methodologies in *in-vitro* and *in-vivo* studies. Ideas presented in this session are expected to impact clinical research studies and medical device development. Participants will learn about:

- » Fundamental light-tissue interactions and measurements of tissue properties
- » Biological response of cells and tissues to low-light therapeutics
- » New diagnostic and treatment approaches
- » Preclinical evaluation of novel therapeutic approaches using light and energy-based devices
- » Micro-, meso-, and macroscopic approaches to assess the biological tissue response to light and energy-based devices
- » First-in-man application of light and energy-based technologies
- » Methods and technologies used for monitoring therapeutic interventions

Hot Topics

- » New treatment approaches for lipolysis, including cryolipolysis
- » Structural and advanced functional imaging
- » Image-guided interventions
- » Advances in optical coherence tomography and multiphoton microscopy
- » Low-light therapeutic approaches to eradicate bacteria and modulate cell behavior

Chair(s) Bernard Choi, PhD; Gracie Vargas, PhD

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:31 PM	Introduction - Bernard Choi & Gracie Vargas
IMAGING AND SENSING	
1:32 PM - 1:39 PM	ABLATIVE FRACTIONAL LASER ENABLES TOPICAL DELIVERY OF VISMODEGIB <i>IN VITRO</i> Uffe Høgh Olesen ♦ Department of Dermatology, Bispebjerg Hospital, Copenhagen, Denmark
1:40 PM - 1:47 PM	RAPID EMPIRICAL CHARACTERIZATION OF SUB-DIFFUSE REFLECTANCE IMAGING FROM MOHS SURGERY SKIN SAMPLES Will Goth ♦ The University of Texas at Austin, Austin, TX
1:48 PM - 1:55 PM	FIRST REPORT OF OPTICAL PROPERTIES OF HUMAN NEUROFIBROMA TUMORS Yidan Sun ♦ Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA
1:56 PM - 2:03 PM	<i>Best of Basic Science and Translational Research Session Award Recipient:</i> CHANNEL-COMPRESSED RAMAN SPECTROSCOPY FOR FAST ACQUISITION AND DETECTION OF TUMOR MARGINS Xu Feng ♦ University of Texas at Austin, Austin, TX
2:04 PM - 2:07 PM	Q&A
2:08 PM - 2:15 PM	NOVEL DEVICE FOR <i>IN VIVO</i> HNSCC MARGIN DETECTION Peter A. Pellionisz ♦ Department of Head and Neck Surgery, David Geffen School of Medicine at University of California - Los Angeles, Los Angeles, CA

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

TIME	TITLE - PRESENTING AUTHOR
2:16 PM - 2:23 PM	COMPARING AN IMAGING-BASED VS SALIVA-BASED APPROACH TO DETERMINING ORAL CANCER RISK <i>Delaney Islip</i> ♦→ University of California, Irvine, CA
2:24 PM - 2:31 PM	MULTIPHOTON AUTOFLUORESCENCE MICROSCOPIC MEASURES OF ATYPIA IN ORAL AND OROPHARYNGEAL NEOPLASIA <i>Gracie Vargas</i> The University of Texas Medical Branch at Galveston, Galveston, TX
2:32 PM - 2:39 PM	THE USE OF OPTICAL COHERENCE TOMOGRAPHY TO QUANTITATIVELY MEASURE HAIR REGROWTH IN ALOPECIA AREATA AFTER PLATELET-RICH PLASMA TREATMENT <i>Margit L. Juhasz</i> University of California, Irvine, CA
2:40 PM - 2:44 PM	Q&A
2:45 PM - 3:30 PM	BREAK
3:31 PM - 3:38 PM	ASSESSMENT OF BACTERIA GROWTH UNDER TRANSPARENT NANOCRYSTALLINE YTTRIA-STABILIZED-ZIRCONIA CRANIAL IMPLANT USING LASER SPECKLE IMAGING <i>Nami Davoodzadeh</i> ♦→ University of California - Riverside, Riverside, CA
3:39 PM - 3:46 PM	OPTICAL COHERENCE TOMOGRAPHY AND LASER SPECKLE IMAGING OF THE BRAIN THROUGH A TRANSPARENT CRANIAL IMPLANT IN A CHRONIC MOUSE MODEL <i>David L. Halaney</i> University of California Riverside, Riverside, CA
3:47 PM - 3:54 PM	DIFFUSE REFLECTANCE SPECTROSCOPY OF BREAST TUMORS TO DIFFERENTIATE BETWEEN INDOLENT AND AGGRESSIVE DISEASE <i>Joel Rodriguez Troncoso</i> ♦→ University of Arkansas, Fayetteville, Arkansas
3:55 PM - 4:02 PM	ASSOCIATION OF CHANGES IN TISSUE OPTICAL PROPERTIES WITH THERMAL TISSUE DAMAGE <i>Bing Yu</i> ♦ Marquette University, Milwaukee, WI
4:03 PM - 4:10 PM	HANDHELD, WAVEGUIDE-MEDIATED, PHOTOACOUSTIC COMPUTED TOMOGRAPHY FOR BURN WOUND DEPTH ANALYSIS <i>Mason W. Schellenberg</i> ♦→ University of Missouri, Columbia, MO
4:11 PM - 4:20 PM	Q&A
4:21 PM - 4:28 PM	MORPHOLOGICAL DIFFERENCES OF MILD TO MODERATE ACNE VULGARIS VISUALIZED BY REFLECTANCE CONFOCAL MICROSCOPY AND OPTICAL COHERENCE TOMOGRAPHY <i>Christine Fuchs</i> ♦→ Bispebjerg University Hospital, Copenhagen, Denmark
4:29 PM - 4:36 PM	DEPTH RESOLVED QUANTITATIVE PROFILING OF STRATUM CORNEUM LIPIDS AND WATER CONTENT USING SHORT-WAVE INFRARED SPECTROSCOPY AND CONFOCAL RAMAN SPECTROSCOPY <i>Anna Ezerskaia</i> ♦→ Delft University of Technology, Delft, South Holland, Netherlands
4:37 PM - 4:44 PM	IMAGING AND CHARACTERIZING PHYSIOLOGY AND MORPHOLOGY OF MICROVASCULATURE IN SKIN USING OPTICAL COHERENCE TOMOGRAPHY <i>Malte J. Casper</i> ♦ Massachusetts General Hospital, Boston, MA
4:45 PM - 4:52 PM	VISUALIZATION OF LASER-ASSISTED DRUG PERMEATION IN NAIL TISSUE <i>Vinzent K. Ortner</i> ♦ Bispebjerg Hospital, Copenhagen, Denmark
4:53 PM - 5:00 PM	Q&A
5:01 PM - 5:08 PM	IMPROVING ORAL CANCER OUTCOMES IN REMOTE AND UNDERSERVED POPULATIONS <i>Petra Wilder-Smith</i> Beckman Laser Institute, University of California, Irvine, CA
5:09 PM - 5:16 PM	THE UTILITY OF NON-INVASIVE <i>IN VIVO</i> IMAGING IN MONITORING HAIR LOSS DISORDERS: A PILOT STUDY <i>Chloe N. Ekelem</i> University of California, Irvine, CA
5:17 PM - 5:24 PM	NON-INVASIVE ASSESSMENT OF CHANGES IN HUMAN SKIN UPON FRACTIONAL LASER REMODELING <i>Nina Verdel</i> ♦→ Jozef Stefan Institute, Ljubljana, Slovenia
5:25 PM - 5:30 PM	Q&A and Conclusion - Bernard Choi & Gracie Vargas

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Clinical Applications - Cutaneous - Abstract Session

Saturday, April 14 | 1:30 PM - 5:30 PM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 3.25 MAX

Participants This session is for all health care practitioners, engineers, scientists, or any interested individuals working with lasers and energy-based devices. All health care personnel will benefit by learning how to maximize results of treatment of cutaneous conditions 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.

Educational Needs/Expected Learning Objectives This session will explore the use of lasers and energy-based devices to treat a wide spectrum of cutaneous conditions. Controlled studies demonstrating objective evidence in support of new devices and new uses of established devices will be presented. Attendees will be encouraged to participate in discussion of the presented data. Updating current knowledge on the use of energy-based devices as well as maximizing results and minimizing complications will be a prime objective of this session.

Hot Topics

- » Pigment: Treating it becomes cool
- » Picosecond Technology: Expanding horizons and applications
- » Fat Removal: Getting closer to making the scalpel obsolete

Chair(s) Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD

Expert Q&A Panelist(s) Tina S. Alster, MD; Jeffrey S. Dover, MD, FRCPC; Arielle N. Kauvar, MD; Christopher B. Zachary, MBBS, FRCP

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:33 PM	Introduction - Paul M. Friedman & Omar A. Ibrahim
TATTOO	
1:34 PM - 1:38 PM	PERFLUORODECALIN-INFUSED PATCH IN PICOSECOND AND Q-SWITCHED LASER-ASSISTED TATTOO REMOVAL: SAFETY IN FITZPATRICK IV-VI SKIN TYPES <i>Selina S. Hamill</i> ♦→ Dermatology & Laser Surgery Center, Houston, TX
1:39 PM - 1:43 PM	CLINICAL EVALUATION OF A NOVEL PICOSECOND 670nm WAVELENGTH FOR THE TREATMENT OF MULTICOLORED TATTOOS <i>Omar A. Ibrahim</i> Connecticut Skin Institute, Stamford, CT
REJUVENATION	
1:44 PM - 1:48 PM	LOOKING YOUNGER TEN YEARS LATER: IMPROVEMENT IN AGE ASSESSMENT AS JUDGED TODAY COMPARED TO BASELINE PHOTOGRAPHY TEN YEARS AGO, THE LONG TERM BENEFIT OF AESTHETIC MEDICINE <i>Lauren E. Boudreaux</i> ♦ Good Samaritan Regional Medical Center, Salem, OR
1:49 PM - 1:53 PM	ASSESSING CONSUMER KNOWLEDGE, OPINIONS AND APPROACH TO OBTAINING COSMETIC PROCEDURES <i>Adam J. Wulkan</i> ♦ Massachusetts General Hospital, Boston, MA
1:54 PM - 1:58 PM	SAFETY AND EFFICACY OF A NOVEL REFRACTIVE LENS ARRAY USING A 1064nm PICOSECOND LASER FOR LOW IMPACT TREATMENT OF SKIN TEXTURE AND FINE LINES <i>Macrene R. Alexiades</i> Yale University School of Medicine, New York, NY

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

TIME	TITLE - PRESENTING AUTHOR
VASCULAR	
1:59 PM - 2:03 PM	THE TOXIC EDGE - A NOVEL TREATMENT FOR REFRACTORY ERYTHEMA AND FLUSHING OF ROSACEA <i>Ofir Artzi</i> Department of Dermatology, Tel Aviv Sourasky Medical Center, Tel Aviv, Gush Dan, Israel
PIGMENT	
2:04 PM - 2:08 PM	ASSESSMENT OF COMBINED FRACTIONAL CO₂ AND TRANEXAMIC ACID IN MELASMA TREATMENT <i>Shereen O. Helal</i> Cairo University, Cairo, Egypt
2:09 PM - 2:13 PM	LASER TREATMENT FOR POST INFLAMMATORY HYPERPIGMENTATION IN PATIENTS WITH DARKER SKIN TYPES: A RETROSPECTIVE PHOTOGRAPHIC REVIEW <i>Yoon-Soo Cindy Bae</i> Laser & Skin Surgery Center New York, New York, NY
2:14 PM - 2:22 PM	Q&A
2:23 PM - 2:44 PM	Expert Q&A Panel - Tina S. Alster, Jeffrey S. Dover, Paul M. Friedman & Omar A. Ibrahim
2:45 PM - 3:30 PM	BREAK
SKIN TIGHTENING	
3:31 PM - 3:35 PM	NEW THERAPEUTIC APPROACH OF MICRO INSULATED NEEDLE RF TO NON-SURGICAL EYEBAG TREATMENT <i>Gun Young Ahn</i> Chungdam Gowoonsesang Dermatology Clinic, Seoul, Korea
3:36 PM - 3:40 PM	A PROSPECTIVE, RANDOMIZED, SINGLE-CENTER, EVALUATOR-BLINDED CLINICAL TRIAL EVALUATING THE SAFETY, EFFICACY, AND PATIENT SATISFACTION OF INJECTABLE CALCIUM HYDROXYLAPATITE IN COMBINATION WITH MICRO-FOCUSED ULTRASOUND FOR REJUVENATION OF THE AGING CHEST <i>Marwan Alhaddad</i> ♦ Cosmetic laser Dermatology, San Diego, CA
3:41 PM - 3:45 PM	IMPROVING SKIN LAXITY AND THE APPEARANCE OF LINES IN THE NECK AND DÉCOLLETAGE USING COMBINED TREATMENT WITH MICROFOCUSED ULTRASOUND AND DILUTED CALCIUM HYDROXYLAPATITE <i>Gabriela R. Casabona</i> Clínica Vida, São Paulo, Brazil
3:46 PM - 3:50 PM	PATIENT SATISFACTION AND OUR EXPERIENCE WITH 436 MICROFOCUSED ULTRASOUND TREATMENTS <i>Yunyoung C. Chang</i> Union Square Laser Dermatology, New York, NY
3:51 PM - 3:55 PM	BIPOLAR RADIOFREQUENCY NASAL TIP AND EARLOBE REFINEMENT <i>Macrene R. Alexiades</i> Dermatology & Laser Surgery Center of New York, New York, NY
3:56 PM - 4:01 PM	Q&A
4:02 PM - 4:12 PM	Expert Q&A Panel - Christopher B. Zachary, Paul M. Friedman & Omar A. Ibrahim
ACNE	
4:13 PM - 4:17 PM	TREATMENT OF ACNE SCARRING WITH A NOVEL DUAL-WAVELENGTH LASER <i>Michael H. Gold</i> Tennessee Clinical Research Center, Nashville, TN
4:18 PM - 4:22 PM	TREATMENT OF FACIAL ACNE SCARS WITH MICRONEEDLING IN COMBINATION WITH POLYMETHYLMETHACRYLATE (PMMA) <i>Brian S. Biesman</i> Brian Biesman, MD, Nashville, TN
4:23 PM - 4:27 PM	LACK OF LONG-TERM IMPROVEMENT IN ACNE SCARRING AFTER MICRONEEDLING <i>Georgina M. Ferzli</i> ♦ Laser and Skin Surgery Center of New York, New York, NY
4:28 PM - 4:32 PM	A RANDOMIZED SPLIT-FACE CLINICAL TRIAL COMPARING 1550nm ERBIUM-DOPED FRACTIONAL LASER AND 755nm ALEXANDRITE PICOSECOND PULSE DURATION LASER WITH DISTRACTIVE LENS ARRAY IN THE TREATMENT OF ATROPHIC ACNE SCARS <i>Mahsa Karavan</i> ♦ University of Utah, Salt Lake City, UT
4:33 PM - 4:37 PM	LASER PRE-CONDITIONING AS NEW METHOD FOR 1726nm SELECTIVE PHOTOTHERMOLYSIS OF SEBACEOUS GLANDS <i>Fernanda H. Sakamoto</i> Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA
4:38 PM - 4:42 PM	CLINICAL EVALUATION OF A MICRONEEDLING DEVICE WITH RADIOFREQUENCY FOR THE TREATMENT OF ACNE SCARS IN ETHNIC SKIN Omar A. Ibrahim Connecticut Skin Institute, Stamford, CT
4:43 PM - 4:48 PM	Q&A

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TIME	TITLE - PRESENTING AUTHOR
PIGMENT	
4:49 PM - 4:53 PM	<i>Best of Clinical Applications - Cutaneous Session Award Recipient:</i> THE USE OF A NOVEL, LOCALIZED, CONTROLLED SKIN COOLING SYSTEM FOR REDUCTION OF EPIDERMAL PIGMENTATION <i>Henry H.L. Chan</i> Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Blossom Innovations, Boston, MA
4:54 PM - 4:58 PM	TREATMENT OF BENIGN PIGMENTED LESIONS USING A NOVEL PRE-BETA DERMAL COOLING SYSTEM: CLINICAL UTILITY AND PATIENT EXPERIENCES AT A UNIVERSITY-BASED PRACTICE <i>Aria Vazirnia</i> ♦→ University of California San Diego, La Jolla, CA
4:59 PM - 5:03 PM	RETROSPECTIVE STUDY OF PICOSECOND ALEXANDRITE 755nm LASER FOR NEVUS OF OTA TREATMENT IN CHINESE <i>Tong Lin</i> Department of Cosmetic Laser Surgery, Institute of Dermatology, Chinese Academy of Medical Sciences, Nanjing, Jiangsu, China
5:04 PM - 5:08 PM	ENHANCED TREATMENT OF MELASMA WITH COMBINED SURFACE AND DIFFRACTIVE LENS OPTICS <i>Margaret A. Weiss</i> Maryland Laser, Skin & Vein Institute, Baltimore, MD
5:09 PM - 5:19 PM	Q&A
5:20 PM - 5:30 PM	Expert Q&A Panel and Conclusion - Arielle N. Kauvar, Paul M. Friedman & Omar A. Ibrahim

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Clinical Applications - Gynecologic/ Women's Health - Abstract Session

Saturday, April 14 | 1:30 PM - 5:30 PM | Room: Wedgwood Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 3.25 MAX

Participants Specialists in energy-based technologies and therapies, gynecologists, urogynecologists, menopausal medicine specialists, urologists, dermatologists, plastic surgeons and aesthetic gynecologists.

Background Requirements A mixed audience is expected, therefore there is no need for special background requirements.

Educational Needs/Expected Learning Objectives Technologies and delivery systems designed for vaginal use will be presented. These include: CO₂, Er:YAG and Nd:YAG lasers, Radiofrequency, Matrix Radiofrequency and HIFEM. Technical details and clinical outcomes will be discussed.

Hot Topics

- » Clinical outcomes and long term follow-up of energy-based therapies for vaginal and urinary symptoms
- » Well-established laser technologies
- » New delivery systems for RF, Matrix RF and HIFEM dedicated for vaginal treatments

Chair(s) Oscar A. Aguirre, MD, FACOG, FPMRPS; Yona Tadir, MD

Panelist(s) Macrene R. Alexiades MD, PhD; Red M. Alinsod, MD; G. Willy Davila, MD; Nathan L. Guerette, MD, FPMRS, FACOG; David E. Kent, MD; Joseph Lepselter, PhD; Sherry Thomas, MD, MPH; Zdenko Vizintin, BSEE, MSc, MBA

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:35 PM	Introduction and Highlights of Topics to be Covered - Oscar A. Aguirre & Yona Tadir
ERBIUM LASER FOR URINARY APPLICATIONS	
1:36 PM - 1:45 PM	MIXED AND STRESS URINARY INCONTINENCE TREATMENT WITH VAGINAL ERBIUM LASER - COMPARISON OF LASER TREATMENT WITH TVT AND TOT IN ASIAN WOMEN WITH MUI AND SUI, 12 MONTHS FOLLOW-UP <i>Nobuo Okui</i> Yokosuka Urogynecology and Urology Clinic, Yokosuka, Kanagawa, Japan
1:46 PM - 1:55 PM	THE FIRST EVALUATION OF ERBIUM LASER FOR TREATMENT OF FEMALE OVERACTIVE BLADDER SYNDROME IN COMPARISON TO STANDARD MEDICATION THERAPIES WITH 12 MONTHS FOLLOW-UP <i>Nobuo Okui</i> Yokosuka Urogynecology and Urology Clinic, Yokosuka, Kanagawa, Japan
1:56 PM - 2:04 PM	A 12 MONTHS FOLLOW-UP STUDY OF ERBIUM LASER TREATMENT OF STRESS URINARY INCONTINENCE IN WOMEN USING ROBOTIC LASER PROBE <i>Adrian Gaspar</i> Prima Piel Clinic, Mendoza, Argentina
2:05 PM - 2:15 PM	Q&A
COMBINED ND AND ER:YAG LASER FOR VULVAR APPLICATIONS	
2:16 PM - 2:24 PM	TREATMENT OF VULVAR PIGMENTATION USING THE COMBINATION OF Er:YAG AND Nd:YAG LASERS <i>Jorge E. Gaviria P.</i> Korpo Laser, Caracas, Venezuela
2:25 PM - 2:30 PM	Q&A
2:31 PM - 2:36 PM	LABIAPLASTY <i>Aristides A. Huacuja</i> Clínica Dermatológica y Cirugía Estética de Puebla, Puebla, Mexico
2:37 PM - 2:44 PM	Q&A
2:45 PM - 3:30 PM	BREAK

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

TIME	TITLE - PRESENTING AUTHOR
HIFEM AND HYBRID TECHNOLOGIES FOR GSM	
3:31 PM - 3:39 PM	HIFEM TECHNOLOGY – A NEW PERSPECTIVE IN TREATMENT OF STRESS URINARY INCONTINENCE <i>Red M. Alinsod</i> South Coast Urogynecology, Laguna Beach, CA
3:40 PM - 3:48 PM	HIFEM TECHNOLOGY – THE NON-INVASIVE TREATMENT OF URINARY INCONTINENCE <i>Julene Samuels</i> Julene B. Samuels, MD, FACS, Louisville, KY
3:49 PM - 3:59 PM	Q&A
4:00 PM - 4:08 PM	SAFETY AND EFFICACY OF HYBRID FRACTIONAL LASER (1470nm AND 2940nm) FOR SYMPTOMS OF GENITOURINARY SYNDROME OF MENOPAUSE: PROSPECTIVE MULTI-CENTER STUDY: INTERIM ANALYSIS <i>Nathan L. Guerette</i> The Female Pelvic Medicine Institute, Richmond, VA
4:09 PM - 4:17 PM	THE SYNERGISTIC EFFECTS OF MULTIMODAL THERAPY RESULTING IN BETTER OUTCOMES FOR VAGINAL REJUVENATION AND THE TREATMENT OF STRESS URINARY INCONTINENCE <i>Russell Bartels</i> Scottsdale Center for Women's Health, Scottsdale, AZ
4:18 PM - 4:21 PM	Q&A
PANEL DISCUSSION: TREATMENT PROTOCOLS FOR VAGINAL APPLICATION	
4:22 PM - 4:24 PM	Introduction of Panel Discussion - Oscar A. Aguirre & Yona Tadir
4:25 PM - 4:35 PM	From Dermatology to Gynecology: Tissue Rejuvenation Following Energy-based Therapy - Macrene R. Alexiades
4:36 PM - 4:42 PM	Fractional CO₂ Laser for Tissue Rejuvenation: How, When & Why? - Joseph Lepselter
4:43 PM - 4:49 PM	Er:YAG Laser: Ablative or Non-ablative Mode for Tissue Rejuvenation: When & Why? - Zdenko Vizintin
4:50 PM - 4:56 PM	Er:YAG + 1470nm Hybrid Laser for Tissue Rejuvenation: When & Why? - Nathan L. Guerette
4:57 PM - 5:03 PM	Radio Frequency or HIFEM for Tissue Rejuvenation: When & Why? - Red M. Alinsod
5:04 PM - 5:10 PM	Fractional Matrix Radio Frequency for Tissue Rejuvenation: When & Why? - Sherry Thomas
5:11 PM - 5:17 PM	Vaginal Histology in Women Following Energy-based Treatments: Is it Different from Estrogen Treatment? - G. Willy Davila
5:18 PM - 5:24 PM	Histology: Human and Animal Models for Vaginal Rejuvenation - David E. Kent
5:25 PM - 5:30 PM	Q&A and Concluding Remarks - Oscar A. Aguirre & Yona Tadir

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Clinical Applications - Multi-Specialty - Abstract Session

Saturday, April 14 | 1:30 PM - 2:45 PM | Room: Cortez AB

AMA PRA CATEGORY 1 CME CREDITS™: 1.25 MAX

Participants Any scientist, student, engineer, medical practitioner, and personnel involved in other aspects of health care, and/or industries, as well as all with an interest in these topical areas are invited to attend.

Background Requirements Individuals who participate in the sessions should have a basic interest in laser medicine and surgery and the potential applications of these technologies. Although it is not a prerequisite, attendees would ideally have some basic understanding of laser tissue interactions. Individual attendees do not need to have significant experience or expertise in laser medicine or surgery.

Educational Needs/Expected Learning Objectives This section will present and discuss topical surgical applications in a variety of disciplines and research. Relevant clinical and laboratory investigations and patient outcomes will be highlighted. It is expected that interdisciplinary interaction and dialogue regarding laser tissue interaction, clinical and basic research results will provide new insights and meet the educational need of participants attending these sessions. After engaging in this educational activity, participants will be able to describe current techniques, and discuss improvements in clinical practice and clinical outcomes. It is hoped that dialogue and didactic material will enable the participants to formulate new ideas and apply new techniques and principles to solve clinical problems relevant to their scope of practice.

Hot Topics

- » Optical Imaging
- » Radiofrequency
- » PDT/Photobiomodulation

Chair(s) Praveen Arany, DDS, MDS, MMSc, PhD; Raymond J. Lanzafame, MD, MBA, FACS

TIME	TITLE - PRESENTING AUTHOR
1:30 PM - 1:32 PM	Introduction - Praveen Arany
PHOTOBIMODULATION	
1:33 PM - 1:41 PM	PHOTOBIMODULATION THERAPY OVER FLOW-MEDIATED DILATION IN POLICE OFFICERS: A PILOT STUDY <i>M. Cristina Chavantes</i> Universidade Nove de Julho, São Paulo, Brazil
1:42 PM - 1:50 PM	ANALYZING ORAL WOUND HEALING ON MURINE MACROPHAGE CELL LINES USING PHOTOBIMODULATION <i>Saeed Ur Rahman</i> ♦ University at Buffalo School of Dental Medicine, Buffalo, NY
1:51 PM - 1:59 PM	TREATMENT OF CUTANEOUS METASTASES OF BREAST CANCER WITH SNET2 BASED PHOTODYNAMIC THERAPY <i>Thomas S. Mang</i> University at Buffalo, Buffalo, NY
2:00 PM - 2:05 PM	Q&A
2:06 PM - 2:14 PM	A CASE REPORT: AN EFFECTIVE TREATMENT STRATEGY FOR DRY AGE-RELATED MACULAR DEGENERATION WITH COMBINATION OF ACUPUNCTURE AND PHOTOBIMODULATION <i>Hui Liu</i> ♦ University of Massachusetts, Boston, MA
2:15 PM - 2:27 PM	CHANGES IN CLINICAL AND OXIDATIVE STRESS PARAMETERS IN PERIODONTAL POCKETS TREATED WITH LASER THERAPY: A PRELIMINARY SPLIT-MOUTH STUDY <i>Katia Rupel</i> ♦ University of Trieste, Trieste, Italy

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

TIME	TITLE - PRESENTING AUTHOR
PHOTOBIMODULATION - DENTAL	
2:28 PM - 2:36 PM	DOUBLE-BLINDED STUDY TO INVESTIGATE EFFECTIVENESS OF 980nm DIODE LASER FOR CHRONIC PERIODONTAL DISEASE - PRELIMINARY RESULTS <i>Inder S. Raj Makin</i> A.T. Still University, Mesa, AZ
2:37 PM - 2:42 PM	Q&A
2:43 PM - 2:45 PM	Closing Discussion and Comments - Praveen Arany & Raymond J. Lanzafame

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Ask Me Anything - Special Event (Non-CME)

Saturday, April 14 | 3:10 PM - 3:30 PM | Room: Trinity Exhibit Hall

Hosts Suzanne L. Kilmer, MD; E. Victor Ross, MD

Description This event provides attendees with the opportunity to listen to and participate in an energetic, open questions/answers discussion. Inquiries to the session hosts may focus on devices, clinical approaches and personal recommendations for practice.

TIME	TITLE - PRESENTING AUTHOR
3:10 PM - 3:30 PM	Open Q&A - Suzanne L. Kilmer & E. Victor Ross

Basic Science and Translational Research - Abstract Session

Sunday, April 15 | 8:00 AM - 10:00 AM | Room: Cortez CD

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX

Participants Clinicians, engineers, scientists, researchers, developers.

Background Requirements Basic knowledge of light-tissue interactions.

Educational Needs/Expected Learning Objectives These sessions will promote understanding of fundamental light-tissue interactions, laboratory evaluation of new technologies and methodologies, and applications of these technologies and methodologies in *in-vitro* and *in-vivo* studies. Ideas presented in this session are expected to impact clinical research studies and medical device development. Participants will learn about:

- » Fundamental light-tissue interactions and measurements of tissue properties
- » Biological response of cells and tissues to low-light therapeutics
- » New diagnostic and treatment approaches
- » Preclinical evaluation of novel therapeutic approaches using light and energy-based devices
- » Micro-, meso-, and macroscopic approaches to assess the biological tissue response to light and energy-based devices
- » First-in-man application of light and energy-based technologies
- » Methods and technologies used for monitoring therapeutic interventions

Hot Topics

- » New treatment approaches for lipolysis, including cryolipolysis
- » Structural and advanced functional imaging
- » Image-guided interventions
- » Advances in optical coherence tomography and multiphoton microscopy
- » Low-light therapeutic approaches to eradicate bacteria and modulate cell behavior

Chair(s) Bernard Choi, PhD; Gracie Vargas, PhD

TIME	TITLE - PRESENTING AUTHOR
8:00 AM - 8:02 AM	Introduction - Bernard Choi & Gracie Vargas
PHOTOBIMODULATION	
8:03 AM - 8:09 AM	EXPLOITING ENDOGENOUS PHOTORECEPTORS FOR TEMPORALLY PRECISE CONTROL OF MELANOCYTE LIGHT RESPONSE <i>Brandon M. Law</i> ♦ Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA
8:10 AM - 8:16 AM	PRELIMINARY STUDIES OF A NOVEL RED-EMITTING QUANTUM DOT LED SOURCE FOR PHOTOBIMODULATION FOR <i>IN VITRO</i> MODEL OF THE WOUND HEALING <i>Raymond J. Lanzafame</i> Raymond J. Lanzafame, MD PLLC, Rochester, NY
8:17 AM - 8:21 AM	Q&A
LIGHT-BIOFILM INTERACTIONS	
8:22 AM - 8:28 AM	CONFOCAL AND IR ANALYSIS OF ANTI-MICROBIAL PHOTODYNAMIC THERAPY EFFECTS ON BIOFILM <i>Thomas S. Mang</i> University at Buffalo, Buffalo, NY
8:29 AM - 8:35 AM	LASER GENERATED SHOCKWAVE TREATMENT INCREASES BACTERIAL CELL MEMBRANE PERMEABILITY <i>IN VITRO</i> <i>Young Hun Chung</i> ♦➔ University of California of Los Angeles, Los Angeles, CA

TIME	TITLE - PRESENTING AUTHOR
8:36 AM - 8:42 AM	ESTABLISHING A SAFETY WINDOW FOR LASER GENERATED SHOCKWAVE TREATMENT FOR BACTERIAL BIOFILMS <i>William Yao</i> ♦→ University of California: Los Angeles, Los Angeles, CA
8:43 AM - 8:49 AM	ANTIMICROBIAL BLUE LIGHT INACTIVATION OF MICROBIAL CLINICAL ISOLATES IN BIOFILMS <i>Raquel Ferrer-Espada</i> ♦→ Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA
8:50 AM - 8:56 AM	ANTIMICROBIAL BLUE LIGHT INACTIVATION OF NEISSERIA GONORRHOEAE: IMPLICATIONS FOR THE TREATMENT OF MULTIDRUG-RESISTANT GONOCOCCAL INFECTIONS <i>Ying Wang</i> ♦→ Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School. Department of Laser Medicine, Chinese PLA General Hospital, Boston, MA
8:57 AM - 9:01 AM	Q&A
PHOTOBIO-MODULATION	
9:02 AM - 9:08 AM	INCREASED MITOCHONDRIAL METABOLISM BY TWO DIFFERENT WAVELENGTHS DID NOT RESULT IN ALTERED FIBROBLASTIC PROLIFERATION <i>IN VITRO</i> <i>Juanita J. Anders</i> Uniformed Services University of the Health Sciences, Bethesda, MD
9:09 AM - 9:15 AM	LOW LEVEL LASER THERAPY INHIBITS NEUROPATHIC PAIN AND RESTORES THE MORPHOLOGICAL PATTERN OF THE SCIATIC NERVE OF DIABETIC MICE <i>Victória da Silva Oliveira</i> ♦→ University of São Paulo, São Paulo, Brazil
9:16 AM - 9:22 AM	TGF-β AND TNF-α CROSSTALK IN MEDIATING MACROPHAGES RESPONSES TO PHOTOBIO-MODULATION THERAPY IN BURN WOUND HEALING <i>Saeed Ur Rahman</i> ♦→ School of Dental Medicine, University at Buffalo, Buffalo, NY
9:23 AM - 9:29 AM	EFFECT OF PHOTOBIO-MODULATION ON AN EXPERIMENTAL MODEL OF CHRONIC ASTHMA: PARTICIPATION OF LEUKOTRIENES <i>Auriléia A. Brito</i> ♦ Universidade Nove de Julho, São Paulo, Brazil
9:30 AM - 9:34 AM	Q&A
9:35 AM - 9:41 AM	ELECTROMYOGRAPHIC EVALUATION OF MOTOR RESPONSE TO PHOTOBIO-MODULATION FOR THE TREATMENT IN PATIENTS WITH SPINAL CORD INJURY <i>Andréa O. Gomes</i> ♦ Universidade Nove de Julho, São Paulo, Brazil
9:42 AM - 9:48 AM	INFLUENCE OF INFRARED CONTINUOUS LASER EXPOSURE ON STRUCTURE OF EXPERIMENTAL ADENOCARCINOMA 755 <i>Hasan G. Holikulov</i> National Center of Surgery, Tashkent, Uzbekistan
9:49 AM - 9:55 AM	EFFICACY OF PHOTOBIO-MODULATION THERAPY IN MITIGATING SKIN RADIATION DAMAGE <i>Rodrigo Crespo Mosca</i> ♦→ Nuclear and Energy Research Institute, Radiation Technology Center, São Paulo, Brazil
9:56 AM - 10:00 AM	Q&A and Conclusion - Benard Choi & Gracie Vargas

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

Clinical Applications - Cutaneous - Abstract Session

Sunday, April 15 | 8:30 AM - 10:00 AM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 1.50 MAX

Participants This session is for all health care practitioners, engineers, scientists, or any interested individuals working with lasers and energy-based devices. All health care personnel will benefit by learning how to maximize results of treatment of cutaneous conditions 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.

Educational Needs/Expected Learning Objectives This session will explore the use of lasers and energy-based devices to treat a wide spectrum of cutaneous conditions. Controlled studies demonstrating objective evidence in support of new devices and new uses of established devices will be presented. Attendees will be encouraged to participate in discussion of the presented data. Updating current knowledge on the use of energy-based devices as well as maximizing results and minimizing complications will be a prime objective of this session.

Hot Topics

- » Pigment: Treating it becomes cool
- » Picosecond Technology: Expanding horizons and applications
- » Fat Removal: Getting closer to making the scalpel obsolete

Chair(s) Paul M. Friedman, MD; Omar A. Ibrahim, MD, PhD

Expert Q&A Panelist(s) Eric F. Bernstein, MD, MSE; Suzanne L. Kilmer, MD

TIME	TITLE - PRESENTING AUTHOR
8:30 AM - 8:35 AM	Introduction - Paul M. Friedman & Omar A. Ibrahim
SKIN CANCER	
8:36 AM - 8:40 AM	1064nm Nd:YAG LASER FOR THE TREATMENT OF BASAL CELL CARCINOMA: DETERMINING LONG-TERM EFFICACY <i>Arisa E. Ortiz</i> University of California - San Diego, San Diego, CA
8:41 AM - 8:45 AM	CARBON DIOXIDE LASER ABLATION OF BASAL CELL CARCINOMA GUIDED BY REFLECTANCE CONFOCAL MICROSCOPY <i>Anthony M. Rossi</i> ♦ Memorial Sloan Kettering Cancer Center, New York, NY
8:46 AM - 8:50 AM	A SINGLE-CENTER CLINICAL STUDY APPLIES MELANOMA IMAGING BIOMARKERS TO STANDARD AND HYPERSPECTRAL DERMOSCOPY FOR EARLY MELANOMA DETECTION <i>Anna-Marie Hosking</i> ♦→ University of California, Irvine, CA
8:51 AM - 8:55 AM	REAL TIME, NON-INVASIVE, <i>IN VIVO</i> SKIN CANCER DIAGNOSTICS BASED ON LASER SPECTROSCOPY AND MACHINE LEARNING ALGORITHMS USING AESTHETIC LASERS <i>Sung Hyun Pyun</i> Speclipse, Inc., Sunnyvale, CA
8:56 AM - 9:00 AM	BASAL CELL CARCINOMA TREATED WITH ABLATIVE FRACTIONAL LASER AND INGENOL MEBUTATE - AN EXPLORATORY STUDY MONITORED BY OPTICAL COHERENCE TOMOGRAPHY AND REFLECTANCE CONFOCAL MICROSCOPY <i>Christina Banzhaf</i> ♦ Department of Dermatology, University of Copenhagen, Bispebjerg Hospital, Copenhagen, Denmark
9:01 AM - 9:05 AM	Q&A

Faculty & Speaker Disclosures: Pages 87-102 | ACCME Accreditation Statement & AMA PRA Credit Designation Statement: Page 114

TIME	TITLE - PRESENTING AUTHOR
SKIN TIGHTENING	
9:06 AM - 9:10 AM	THE USE OF A RADIO FREQUENCY DEVICE FOR NON-INVASIVE EYEBROW LIFTING <i>Paul M. Graham</i> McDaniel Laser and Cosmetic Center, Virginia Beach, VA
9:11 AM - 9:15 AM	REDUCTION OF THE VOLUME AND WRINKLES UNDER THE EYES USING NON-ABLATIVE Er:YAG 2940nm LASER ON THE LOWER EYELID PALPEBRAL CONJUNCTIVA <i>Jong Gu Kim</i> Cheonan Oracle Clinic, Seoul, Korea
9:16 AM - 9:20 AM	NON-SURGICAL MICRO-INVASIVE NEEDLE BASED BIPOLAR RADIOFREQUENCY FOR VOLUMIZING AND TIGHTENING ON FACE AND NECK <i>Katharina Russe-Wilflingseder</i> Plastic Reconstructive Aesthetic Surgery, Lasercenter Innsbruck, Innsbruck, Tirol, Austria
9:21 AM - 9:25 AM	EFFECTIVENESS OF FRACTIONAL 1550nm LASER VERSUS FOCUSED ULTRASOUND FOR THE TREATMENT OF PERIORBITAL RHYTIDS: A RANDOMIZED CLINICAL TRIAL <i>Sreya Talasila</i> Northwestern University, Chicago, IL
9:26 AM - 9:30 AM	OPEN-LABEL, SINGLE-CENTER, SINGLE-TREATMENT, SAFETY AND EFFECTIVENESS EVALUATION OF PERCUTANEOUS RADIOFREQUENCY IN ACHIEVING SUBMENTAL LIFT - INTERIM DATA <i>Jeanine B. Downie</i> Mountainside and Overlook Hospital, Montclair, NJ
9:31 AM - 9:35 AM	Q&A
FAT REMOVAL	
9:36 AM - 9:40 AM	INDUCTION OF FAT APOPTOSIS BY NON-THERMAL DEVICE: SAFETY AND MECHANISM OF ACTION OF NON-INVASIVE HIFEM TECHNOLOGY EVALUATED IN A HISTOLOGICAL PORCINE MODEL <i>Robert A. Weiss</i> Maryland Laser Skin, & Vein Institute, Hunt Valley, MD
9:41 AM - 9:45 AM	CHANGES IN SUBCUTANEOUS ABDOMINAL FAT THICKNESS FOLLOWING HIGH-INTENSITY FOCUSED ELECTRO-MAGNETIC (HIFEM) FIELD TREATMENTS: A MULTI-CENTER ULTRASOUND STUDY <i>Bruce E. Katz</i> Juva Skin and Laser Center, Manhattan, NY
9:46 AM - 9:49 AM	Q&A
9:50 AM - 10:00 AM	Expert Q&A Panel and Conclusion - Eric F. Bernstein, Suzanne L. Kilmer, Paul M. Friedman & Omar A. Ibrahim

Early Career Clinical and Scientific - Abstract Session

Sunday, April 15 | 8:00 AM - 10:00 AM | Room: Cortez AB

AMA PRA CATEGORY 1 CME CREDITS™: 2.00 MAX

Participants This session is designed for practicing physicians, residents, fellows, medical students, and research scientists.

Background Requirements Participants should have a basic knowledge of laser and light based devices.

Educational Needs/Expected Learning Objectives This session will educate the participants on novel uses and applications of laser and light based devices in surgery and medicine. The session will highlight the basic science and clinical research performed by Early Career clinicians and scientists. After this session, participants will gain insight into new basic science and clinical research involving the application of laser and light based devices in surgery and medicine.

Hot Topics

- » Antimicrobial effects of blue light
- » Submental fat reduction using a 1060nm diode laser
- » New techniques in the treatment of pigmented lesions
- » Tattoo removal in darker skin types using picosecond technology

Chair(s) Catherine M. DiGiorgio, MD; Andres M. Erlendsson, MD, PhD; Thomas E. Rohrer, MD

TIME	TITLE - PRESENTING AUTHOR
8:00 AM - 8:05 AM	Introduction - Catherine M. DiGiorgio, Andres M. Erlendsson & Thomas E. Rohrer
BASIC SCIENCE	
8:06 AM - 8:12 AM	THERMAL PHOTODYNAMIC THERAPY INCREASES APOPTOSIS AND REACTIVE OXYGEN SPECIES GENERATION IN SQUAMOUS CELL CARCINOMA CELLS <i>Evan Austin</i> ♦ Department of Dermatology, University of California at Davis, Sacramento, CA
8:13 AM - 8:19 AM	IN VIVO OPTICAL IMAGING OF TOPICALLY APPLIED GOLD MICROPARTICLES IN ACNE AND HEALTHY SKIN - <i>Christine Fuchs</i> ♦ Bispebjerg University Hospital, Copenhagen, Denmark
8:20 AM - 8:26 AM	THE ABLATIVE FRACTIONAL COAGULATION ZONE IMPACTS UPTAKE OF SODIUM FLUORESCIN AND CARBOXY FLUORESCIN IN SKIN - AN IN VITRO STUDY - <i>Christina Banzhaf</i> ♦→ Department of Dermatology, University of Copenhagen, Bispebjerg Hospital, Copenhagen, Denmark
8:27 AM - 8:33 AM	POTASSIUM IODIDE POTENTIATES ANTIMICROBIAL PHOTODYNAMIC INACTIVATION MEDIATED BY TPPS4 - <i>Liyi Huang</i> ♦→ Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA
8:34 AM - 8:40 AM	<u>Best Overall Basic Science and Translational Research Award Recipient and Best of Early Career Session - Scientific Award Recipient:</u> ANTIMICROBIAL PHOTOTHERAPY USING BLUE LASER LIGHT: A PROMISING STRATEGY TO CLEAR WOUND INFECTIONS - <i>Katia Rupel</i> ♦→ University of Trieste, Trieste, Italy
8:41 AM - 8:47 AM	Q&A
CLINICAL APPLICATIONS OF LASER & LIGHT	
8:48 AM - 8:54 AM	LASER ASSISTED MICROFOLLICULAR UNIT TRANSPLANTATION FOR FRONTAL HAIRLINE RESTORATION IN FEMALES: STEPS TOWARDS PERFECTION <i>Ahmed A. Youssef</i> ♦ Universitat Autònoma de Barcelona, Barcelona, Spain

TIME	TITLE - PRESENTING AUTHOR
8:55 AM - 9:01 AM	Best of Early Career Session - Clinical Award Recipient: CLINICAL EVALUATION OF A 1064nm PICOSECOND LASER FOR REMOVAL OF BLACK TATTOOS IN PATIENTS WITH DARK SKIN TYPES <i>Hana Jeon</i> ♦ Laser & Skin Surgery Center of New York, NY
9:02 AM - 9:08 AM	FRACTIONAL CO₂ LASER TREATMENT OF MICROSTOMIA IN SYSTEMIC SCLERODERMA <i>Rhett Kent</i> ♦ Washington Hospital Center/Georgetown University Hospital Dermatology, Washington, DC
9:09 AM - 9:15 AM	LONG-PULSED DYE LASER WITH MODIFIED DOUBLE-PULSING TECHNIQUE AND COMPRESSION FOR THE TREATMENT EPIDERMAL PIGMENTED LESIONS: A CASE SERIES <i>Jessica Gandy Labadie</i> ♦→ Presence St. Joseph Hospital, Chicago, IL
9:16 AM - 9:22 AM	EVALUATION OF THE EFFICACY AND SAFETY OF IPL USING A KTP FILTER FOR THE TREATMENT OF SOLAR LENTIGINES <i>Daniel P. Friedmann</i> ♦ Westlake Dermatology Clinical Research Center, Westlake Dermatology & Cosmetic Surgery, Austin, TX
9:23 AM - 9:29 AM	DUAL CYCLES OF 1060nm DIODE LASER FOR SUBMENTAL FAT <i>Laura Schilling</i> ♦ Maryland Laser, Skin & Vein Institute, Baltimore, MD
9:30 AM - 9:36 AM	SAFETY AND EFFICACY OF 1060nm NON-INVASIVE DIODE LASER FOR FAT REDUCTION IN PATIENTS WITH BODY MASS INDEX GREATER THAN 30 <i>Georgina M. Ferzli</i> ♦ Laser and Skin Surgery Center of New York, New York, NY
9:37 AM - 9:43 AM	INTRAOPERATIVE RESURFACING WITH FRACTIONATED Er:YAG TO MINIMIZE SCARRING: RESULTS OF A SPLIT SCAR PILOT STUDY <i>Nichelle Arnold</i> ♦ Beaumont Health Dermatology Residency Program, Bloomfield Hills, MI
9:44 AM - 9:50 AM	A COMPARISON OF THREE DIFFERENT LASER MODALITIES FOR THE TREATMENT OF HYPERPIGMENTED SCARS IN A SKIN TYPE VI AFRICAN AMERICAN MAN <i>Heidi Wat</i> ♦ University of Alberta, Edmonton, Alberta, Canada
9:51 AM - 9:57 AM	Q&A
9:58 AM - 10:00 AM	Closing Remarks - Catherine M. DiGiorgio, Andres M. Erlendsson & Thomas E. Rohrer

Experts Video - Special CME Session

Sunday, April 15 | 10:00 AM - 11:00 AM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX | CE CONTACT HOURS: 1.00 MAX

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 Suitable for beginners, intermediate and advanced laser and device operators.

Session Description This session will use video endpoints to demonstrate optimized treatments, show new applications and approaches of laser devices, show the range of treatment options and demonstrate safety techniques.

Topics covered will include:

- » Laser treatments for pigmentation, vascular and resurfacing.
- » Ancillary/supportive anesthetic and preparatory techniques.
- » Techniques for improving patient/staff safety.

Director(s) Gerald N. Goldberg, MD; Girish S. Munavalli, MD, MHS

Faculty Payman Kosari, MD

TIME	TITLE - PRESENTING AUTHOR
10:00 AM - 10:02 AM	Introduction - Gerald N. Goldberg & Girish S. Munavalli
10:03 AM - 10:18 AM	Video Laser Endpoint Demonstrations - Gerald N. Goldberg
10:19 AM - 10:34 AM	Video Laser Endpoint Demonstrations - Girish S. Munavalli
10:35 AM - 10:50 AM	Video Laser Endpoint Demonstrations - Payman Kosari
10:51 AM - 11:00 AM	Q&A and Conclusion - Gerald N. Goldberg & Girish S. Munavalli

Conference Highlights/Wrap-Up - Special CME Session

Sunday, April 15 | 11:00 AM - 11:30 AM | Room: Trinity Ballroom

AMA PRA CATEGORY 1 CME CREDITS™: 1.00 MAX

Participants All conference attendees are invited to attend.

Background Requirements No special background requirements.

Session Description This featured Conference Highlights session reviews key highlights selected by the Section Chairs and Course Directors of the main conference educational programs. This half-hour session provides an overview of the key messages and recognizes some of the most intriguing contributions. This is the perfect opportunity to gain valuable insight about the sessions you may not have been able to attend.

Director(s) H. Ray Jalian, MD; Serge R. Mordon, PhD

Faculty Murad Alam, MD, MSCI, MBA; Macrene R. Alexiades, MD, PhD; Adrian Gaspar, MD; Nathan L. Guerette, MD, FPMRS, FACOG; Kachiu C. Lee, MD; E. Victor Ross, MD; Kelly J. Stankiewicz, MD, FAAD; Jill S. Waibel, MD

TIME	TITLE - PRESENTING AUTHOR
11:00 AM - 11:01 AM	Introduction - H. Ray Jalian & Serge R. Mordon
11:02 AM - 11:05 AM	Laser Learning Lab: Opportunities for Hands-On Laser Use Through Case Study Analyses Course Highlights - Kachiu C. Lee & Kelly J. Stankiewicz
11:06 AM - 11:09 AM	Early and Late Intervention for Scarring Course Highlights - E. Victor Ross & Jill S. Waibel
11:10 AM - 11:13 AM	Scientific Basis of Devices on Women's Genitourinary Health Workshop Highlights - Adrian Gaspar
11:14 AM - 11:17 AM	Cutaneous Medical Applications for Lasers Highlights - H. Ray Jalian
11:18 AM - 11:21 AM	Devices in Women's Genitourinary Health: Clinical Research and Current Trials Highlights - Macrene R. Alexiades & Nathan L. Guerette
11:22 AM - 11:25 AM	ePoster Town Hall Abstract Session Highlights - Murad Alam
11:26 AM - 11:30 AM	Conclusion - H. Ray Jalian & Serge R. Mordon

NAME	DISCLOSURES
A. Youssef, Ahmed	Nothing to Disclose
Abdel Rehim, Hassan M.	Nothing to Disclose
Abdelhady, Mohamed	Nothing to Disclose
Abdelhalim, Dalia	Nothing to Disclose
Abi-Rached, Henry	Nothing to Disclose
Adenaikie, Adegboyega	Received Salary From: Johnson & Johnson Consumer Inc
Aguilar, Guillermo	Nothing to Disclose
Aguirre, Oscar A.	Received Consulting Fees From: Viveve Inc.; Received Royalties From: Cellular Medicine Association; Served on Advisory Board For: Viveve, Inc.; Served on Promotional Speakers Bureau For: Viveve, Inc.
Ahn, Gun Young	Holds Ownership Interests With: Gowoonsesang Cosmetics; Have Intellectual Property Rights With: Gowoonsesang Cosmetics; Served As Officer or Director For: Gowoonsesang Cosmetics
Aird, Gregory A.	Nothing to Disclose
Akita, Hirota	Nothing to Disclose
Alam, Murad	Received Grant Funding From: Brandt, Merz; Received Consulting Fees From: Pulse Biosciences, Allergan
Alexiades, Macrene R.	Received Grant Funding From: Syneron-Candela, Cutera, Serene; Served on Advisory Board For: Allergan, Galderma
Alexis, Andrew F.	Received Grant Funding From: Allergan, BiopharmX, Dermira, Novan, Novartis, RxI; Received Equipment From: Solta; Received Honoraria From: Allergan, Galderma, Regeneron, Unilever; Served on Advisory Board For: Allergan, Galderma, Regeneron, Unilever
Alfano, Robert	Holds Ownership Interests With: Alfano Tomography LLC; Received Royalties From: Alfano Tomography LLC; Have Intellectual Property Rights With: Alfano Tomography LLC
Alhaddad, Marwan	Nothing to Disclose
Ali, Kamil	Nothing to Disclose
Alinsod, Red M.	Received Equipment From: Thermi, Ellman, Cooper Surgical, BTL, Hautlabs, Joylux; Received a Discount From: Regen Labs; Eclipse Medical, D-More; Received Consulting Fees From: Thermi, Coloplast; Holds Ownership Interests With: Caldera Medical, D-More; Received Royalties From: Thermi, Cooper Surgical, Monarch Medical Products, Thieme Publishing; Have Intellectual Property Rights With: Thermi, Cooper Surgical, Coloplast, Monarch Medical Products; Hautlabs, D-More; Served on Advisory Board For: Thermi, BTL, Joylux
Allen, Taryn	Nothing to Disclose
Allison, Ron R.	Nothing to Disclose
Almukhtar, Rawaa	Nothing to Disclose
Aloian, Georgii	Nothing to Disclose
Alsharnoubi, Jehan	Nothing to Disclose
Alster, Tina S.	Holds Ownership Interests With: Cearna, Home Skinovations; Served on Advisory Board For: Cearna

NAME	DISCLOSURES
Altshuler, Gregory	Travel Expenses Paid By: IPG; Holds Ownership Interests With: IPG; Received Salary From: IPG; Have Intellectual Property Rights With: IPG; Served As Officer or Director For: IPG
Alves, Cleber R.	Nothing to Disclose
Aminfar, Amir Hessam	Nothing to Disclose
Anders, Juanita J.	Received Grant Funding From: and CRADA from USUHS and Lite Cure; Lumithera; Received Equipment From: B&W Tek, Irradia, LiteCure, Nitto Denko, PhotoThera; Travel Expenses Paid By: LiteCure, LLC, ISLA; Have Intellectual Property Rights With: Henry M Jackson Foundation; Served on Advisory Board For: Companion Animal LLC, Lite Cure LLC, Lumithera Inc.; Served As Officer or Director For: ASLMS; OSA, NAALT
Andersen, Amanda J.	Nothing to Disclose
Anderson, R. Rox	Received Consulting Fees From: Amway, Blossom, Cytrelis Biosystems, Follica, Living Proof, MOE Medical Devices, Next Gen Jane, R2 Dermatology, Seven Oaks, Seventh Sense, Strata Skin Sciences; Holds Ownership Interests With: Amway, Blossom, Cytrelis Biosystems, Follica, Living Proof, MOE Medical Devices, Next Gen Jane, R2 Dermatology, Seven Oaks, Seventh Sense, Strata Sk; Have Intellectual Property Rights With: Amway, Blossom, Cytrelis Biosystems, Follica, Living Proof, MOE Medical Devices, Next Gen Jane, R2 Dermatology, Seven Oaks, Seventh Sense, Strata Skin Sciences
Andresen, Thomas Lars	Nothing to Disclose
Angra, Kunal	Received Salary From: Astra Zeneca
Anvari, Bahman	Received Grant Funding From: NSF and NIH; Received Consulting Fees From: NIH; Travel Expenses Paid By: NIH, and Canada Foundation for Research Innovation; Received Honoraria From: Canada Foundation for Research Innovation; Holds Ownership Interests With: Radoptics LLC; Have Intellectual Property Rights With: Patent application pending; Served on Advisory Board For: ASLMS Board as Biomedical Engineering Representative
Arany, Praveen	Received Grant Funding From: Phillips Research; Received Equipment From: QMBI, LightScalpel; Received a Discount From: Thor Laser; Received Consulting Fees From: Photomedtech, Lumitex; Travel Expenses Paid By: Thor Laser, Lumithera, Weber Medical; Received Honoraria From: University at Connecticut; Received Salary From: University of Buffalo; Have Intellectual Property Rights With: Harvard University; Served As Officer or Director For: ADEA, NAALT, ASLMS, OSA, SPIE, WALT, AAALAC
Arkipova, Valeriya	Received Salary From: NTO "IRE-Polus"
Arndt, Kenneth A.	Holds Ownership Interests With: Photomedex
Arnold, Nichelle	Nothing to Disclose
Artzi, Ofir	Nothing to Disclose
Assaf, Yaron	Nothing to Disclose
Austin, Evan	Nothing to Disclose

NAME	DISCLOSURES
Avram, Marc R.	Received Consulting Fees From: Restoration Robotics
Avram, Mathew M.	Received Consulting Fees From: Merz Aesthetics; Allergan; Sienna Biopharmaceuticals; Revance; Holds Ownership Interests With: Served as Chair for Master of Aesthetics; Received Stock Options From: Cytrelis, Invasix, Zalea; Have Intellectual Property Rights With: Cytrelis; Served on Advisory Board For: Scientific Advisory Board For: Allergan; Served on Strategic Advisory Board For: Sciton; Served on Editorial Board for Zalea; Served as Treasurer For: ASDS; Sienna Biopharmaceuticals
Awosika, Olabola	Received Grant Funding From: Janssen Biotech, Inc.
Badran, Karam W.	Nothing to Disclose
Bae, Yoon-Soo Cindy	Received Consulting Fees From: Allergan; Served on Advisory Board For: Allergan
Bagger, Charlotte	Nothing to Disclose
Bagnato, Vanderlei Salvador	Nothing to Disclose
Baldado, Melissa	Nothing to Disclose
Balu, Mihaela	Holds Ownership Interests With: InfraDerm, LLC
Banzhaf, Christina	Travel Expenses Paid By: ASLMS
Barbosa, Joantina P.	Nothing to Disclose
Bard, Robert L.	Received Equipment From: Lasercap
Bartels, Russell	Received Consulting Fees From: Alma Lasers and Viveve Medical; Travel Expenses Paid By: Viveve Medical; Received Honoraria From: Alma Lasers and Viveve Medical; Served on Advisory Board For: Viveve Medical; Served on Promotional Speakers Bureau For: Alma Lasers and Viveve Medical
Bass, Lawrence S.	Received Consulting Fees From: Cynosure, Endo; Served on Advisory Board For: Merz; Served on Promotional Speakers Bureau For: Cynosure
Battle, Jr., Eliot F.	Received Royalties From: Massachusetts General Hospital
Baxter, David	Received Grant Funding From: New Zealand Breast Cancer Foundation; Received Equipment From: LiteCure for clinical trials; Served As Officer or Director For: National Science Challenge for Aging Well
Belkin, Daniel A.	Nothing to Disclose
Belo-Kho, Victoria	Nothing to Disclose
Belotto, Renata	Nothing to Disclose
Bernal, Nicole	Nothing to Disclose
Bernardy, Jan	Nothing to Disclose
Bernstein, Eric F.	Received Grant Funding From: Syneron-Candela; Zeltiq; Received a Discount From: Syneron-Candela, Zeltiq; Received Consulting Fees From: Syneron-Candela; Holds Ownership Interests With: Syneron-Candela; Served on Advisory Board For: Novoxel, Solta, Syneron-Candela, Zeltiq
Bernstein, Leonard J.	Nothing to Disclose
Betancourt, Aureni	Nothing to Disclose
Betancourt, Tania	Nothing to Disclose

NAME	DISCLOSURES
Bhatia, Ashish C.	Received Consulting Fees From: Aclaris, Allergan, Derm Ed Foundation, Derm. md, Galderma, KCI, Merz, Oculus, Sinclair Pharma, Zalea; Travel Expenses Paid By: Allergan, Biomarck, Derm Ed Foundation, Envy, Galderma, Merz, Sinclair Pharma; Received Honoraria From: Aclaris, Allergan, Galderma, KCI, Merz Pharma, Sinclair Pharma; Holds Ownership Interests With: Genzum, Theravant, SimSkin, Biomarck, Derm.md; Served on Advisory Board For: Allergan, Biomarck, Derm Ed Foundation, Derm. md, Envy, Galderma, Thervant, Sinclair Pharma; Served As Officer or Director For: Board of Director: Biomarck, Derm.md, Envy Medical, Theravant Corp., American Society of Dermatologic Surgery; Served on Promotional Speakers Bureau For: Allergan, Galderma, Merz Pharma
Bhawalkar, Jayant D.	Received Salary From: AVAVA, Inc.
Bhayana, Brijesh	Nothing to Disclose
Biasotto, Matteo	Nothing to Disclose
Biesman, Brian S.	Received Grant Funding From: Allergan, Alma, Cutera, Cytrelis, Galderma, Jan Marini, Merz, Sienna, Suneva, Revance, Zeltiq; Received Consulting Fees From: Aclaris, Allergan, Cytrelis, Galderma, Intraderm, Merz, Revance, Sienna, Zeltiq; Received Honoraria From: Allergan, Alma, Galderma, Merz, Valeant, Zeltiq; Holds Ownership Interests With: Cytrelis; Served on Advisory Board For: Zeltiq, Cytrelis; Served on Promotional Speakers Bureau For: Allergan, Galderma, Merz, Valeant, Zeltiq; Received Equipment Loan From: Cutera, Syneron-Candela
Binder, Devin	Nothing to Disclose
Biron, Julie	Nothing to Disclose
Birur, Praveen N.	Nothing to Disclose
Blackman, Jeffrey	Nothing to Disclose
Bloom, Bradley S.	Received Grant Funding From: Cutera, Cynosure, Focus Medical, Allergan; Received Consulting Fees From: Cutera, Lumenis, Aerolase, Merz; Travel Expenses Paid By: Merz, Cutera, Sciton; Received Honoraria From: Cutera, Sciton, Aerolase, Merz, Valeant/Solta, Lumenis, Lutronic; Served on Advisory Board For: Aerolase; Served As Officer or Director For: ASLMS; Served on Promotional Speakers Bureau For: Cutera, Sciton, Aerolase, Lutronic
Bloom, Jason D.	Received Grant Funding From: Zeltiq; Received Equipment From: InMode; Received a Discount From: ThermiAesthetics; Received Consulting Fees From: Allergan, Alma Lasers, Galderma, InMode, Merz, Sinclair Pharma, ThermiAesthetics, Remedy, MEND Nutrition, Cearna; Travel Expenses Paid By: Allergan, Alma Lasers, Galderma, InMode, Merz, ThermiAesthetics; Received Honoraria From: Allergan, Alma Lasers, Galderma, Merz, ThermiAesthetics; Served on Advisory Board For: Allergan, Galderma, Merz, Sinclair Pharma, ThermiAesthetics; Served on Promotional Speakers Bureau For: Allergan, Alma Lasers, Galderma, Merz, ThermiAesthetics, InMode; Served as a Clinical Investigator For: Allergan, Galderma, Zeltiq

NAME	DISCLOSURES
Boen, Monica	Nothing to Disclose
Bolding, Ian A.	Nothing to Disclose
Bordin da Silva, Nivea M.	Nothing to Disclose
Boudreaux, Lauren E.	Received Grant Funding From: Thermi
Bowden, Audrey K.	
Brackup, Alan	Nothing to Disclose
Brajato, Karina	Nothing to Disclose
Brauer, Jeremy A.	Travel Expenses Paid By: Cynosure; Merz; Received Honoraria From: Cynosure; Merz; Served on Advisory Board For: Cynosure; Merz
Braunberger, Taylor L.	Nothing to Disclose
Brewer, Jonathan R.	Nothing to Disclose
Brito, Aurilía A.	Nothing to Disclose
Brody, Neil	Served as Lecturer For: Candela
Brown, Tyra	Nothing to Disclose
Bryan, Holly A.	Nothing to Disclose
Buckman, Pamela M.	Nothing to Disclose
Burns, A. Jay J.	Received Grant Funding From: Zeltiq, Cytrelis; Received a Discount From: Allergan, Sciton; Received Consulting Fees From: Sciton, Allergan; Travel Expenses Paid By: Allergan, Sciton, HintMD; Received Honoraria From: Sciton, Allergan; Holds Ownership Interests With: HintMD; Served on Advisory Board For: Sciton, Zeltiq
Burns, Joshua	Travel Expenses Paid By: UCR GSA Travel Grant, ASLMS, SPIE Student Grant; Received Salary From: Graduate Student Researcher; Served As Officer or Director For: President of SPIE student chapter, President of OSA student chapter
Bussadori, Sandra K.	Nothing to Disclose
Busso, Mariano	Received Equipment From: BTL; Received Consulting Fees From: Allergan; Travel Expenses Paid By: Allergan; Received Honoraria From: Allergan, BTL; Served on Advisory Board For: Allergan; Served on Promotional Speakers Bureau For: BTL
Campbell, Amanda M.	Nothing to Disclose
Candeo, Larissa C.	Nothing to Disclose
Cano, Mildred	Nothing to Disclose
Capiz, Guada S.	Nothing to Disclose
Caravan, Peter	Nothing to Disclose
Carbinatto, Fernanda Mansano	Nothing to Disclose
Carruthers, Jean D.	Received Consulting Fees From: Allergan, Merz, Alphaeon, Bonti, Revance, Zeltiq; Received Royalties From: Elsevier
Casabona, Gabriela R.	Received Consulting Fees From: Allergan, Merz; Travel Expenses Paid By: Allergan, Merz; Received Honoraria From: Allergan, Merz; Served on Advisory Board For: Allergan, Merz
Casper, Malte J.	Nothing to Disclose
Castillo, Peter A.	Received Consulting Fees From: Sciton, Boston Scientific; Travel Expenses Paid By: Sciton, Boston Scientific; Served on Advisory Board For: Sciton, Boston Scientific

NAME	DISCLOSURES
Castro, Cynthia Aparecida	Nothing to Disclose
Cauchie, Frederic	Nothing to Disclose
Cenian, Adam	Nothing to Disclose
Cenian, Witold	Nothing to Disclose
Cetrulo, Curtis L.	Nothing to Disclose
Cezillo, Marcos V. B.	Nothing to Disclose
Chacur, Roberto	Nothing to Disclose
Chaffins, Marsha	Nothing to Disclose
Chan, Henry H.	Received Equipment From: Lumenis-Israel, Quanta System-Italy, Venus Concept; Received Consulting Fees From: Access Business Group International LLC, Cynosure, AVAVA LLC, R2 Dermatology Inc; Received Honoraria From: Syneron-Candela; Holds Ownership Interests With: Blossom Innovations; Received Royalties From: McGraw-Hill Companies; R2; Have Intellectual Property Rights With: Blossom Innovation; Served on Advisory Board For: Syneron; Received Shares From: Basis Medical Tech. Inc. Canada; Support Clinical Trial for Quanta, Syneron, Cynosure, Zeltiq, R2 Derm. Inc.; Stockholder: AVAVA, LLC; Blossom Innovatin, LLC; R2 Dermatology; Cytrelis Biosystems; Free consumable: Cynosure; Serve as Chairman of the Board For: Blossom Innovation
Chan, Kin F.	Travel Expenses Paid By: BioPharmX; Holds Ownership Interests With: BioPharmX; Received Salary From: BioPharmX; Served As Officer or Director For: BioPharmX
Chang, Chang Cheng	Nothing to Disclose
Chang, Dorothy	Nothing to Disclose
Chang, Vanessa	Received a Discount From: Amazon; Travel Expenses Paid By: Google, Palantir; Received Salary From: Amazon, Applied Research Labs
Chang, Yunyoung C.	Nothing to Disclose
Chapas, Anne M.	Received Grant Funding From: DUSA, Aclaris, Doctor Rogers, Endymed, Galderma, Syneron, Alastin, Hydrafacial, Athenex, Endo; Received Equipment From: Hydrafacial; Received a Discount From: Syneron; Received Consulting Fees From: Syneron, Galderma, Merz; Travel Expenses Paid By: Athenex; Served on Advisory Board For: Syneron, Galderma, Merz, Revance; Served on Promotional Speakers Bureau For: Syneron, Aclaris, Allergan
Chavantes, M. Cristina	Received Salary From: University of Nove de Julho; Served on Advisory Board For: Brazilian Society of Laser in Medicine and Surgery; Served As Officer or Director For: University Nove de Julho and Heart Institute/FMUSP
Chekmasov, Sergey	Received Salary From: NTO "IRE-Polus"
Chen, Hao	Nothing to Disclose
Chen, Xin	Nothing to Disclose
Chen, Yu-Tsung	Nothing to Disclose
Cheng, Harrison	Nothing to Disclose
Chiang, Hsiu-Mei	Nothing to Disclose
Chlopik, Agata	Nothing to Disclose

NAME	DISCLOSURES
Chodkiewicz, Hubert	Nothing to Disclose
Choi, Bernard	Received Grant Funding From: Air Force Office of Scientific Research, National Institutes of Health; Received Honoraria From: INAOE, Puebla, Mexico; Holds Ownership Interests With: National Instruments; Received Salary From: University of California Irvine
Choi, Yeonsu	Nothing to Disclose
Chowdhury, Khadiza	Nothing to Disclose
Chung, Young Hun	Nothing to Disclose
Civolani Marques Fernandes, Raquel	Nothing to Disclose
Clark, Melanie	Nothing to Disclose
Cohen, Diana	Nothing to Disclose
Cohen, Joel L.	Received Grant Funding From: Suneva Clinical Trial, Revance Clinical Trial; Received Consulting Fees From: Allergan, Galderma, Merz, Sciton, Lutronic; Received Honoraria From: Allergan, Galderma, Merz, Sciton, Lutronic; Served on Advisory Board For: Allergan, Galderma, Merz, Sciton, Lutronic
Cohen, Michael J.	Nothing to Disclose
Cope, Austin	Nothing to Disclose
Cordova, Miguel	Nothing to Disclose
Correa, Luciana	Nothing to Disclose
Costa, Francielli Campos	Nothing to Disclose
Costa-Santos, Larissa	Nothing to Disclose
Coyle, Michael J.	Received Equipment From: Sciton Inc., Coloplast Urology, Intuitive Surgical, Medtronic; Received Consulting Fees From: Sciton Inc., Coloplast Urology, Intuitive Surgical, Medtronic; Travel Expenses Paid By: Sciton Inc., Coloplast Urology, Intuitive Surgical, Medtronic; Received Honoraria From: Sciton Inc., Coloplast Urology, Intuitive Surgical, Medtronic; Served on Advisory Board For: Sciton Inc., Coloplast Urology, Intuitive Surgical, Medtronic
Croix, Jennifer	Received Consulting Fees From: Merz Xeomin event
Crossing, Tascha	Nothing to Disclose
Cruz, Marlon P.	Nothing to Disclose
Cuando, Natanael	Nothing to Disclose
da Consolação Canuto Salgueiro, Monica	Nothing to Disclose
da Silva Oliveira, Victória R.	Nothing to Disclose
da Silva, Fabrício S.	Nothing to Disclose
da Silva, Felipe M.	Nothing to Disclose
Dai, Tianhong	Nothing to Disclose
Daoud, Eitedal M.	Nothing to Disclose
da-Silva, Rodrigo F.	Nothing to Disclose
Davenport, Scott A.	Received Salary From: Cutera

NAME	DISCLOSURES
Davila, G. W.	Received Grant Funding From: Alma Laser, Pfizer, ACell; Received Consulting Fees From: Allergen, Boston Scientific, Cogentix; Received Honoraria From: Alma Laser, Cogentix; Served on Advisory Board For: Boston Scientific, Allergen, Cogentix
Davoodzadeh, Nami	Nothing to Disclose
de Ávila Sobrinho, Miguel	Nothing to Disclose
de Godoy, Camila Haddad Leal	Nothing to Disclose
de Magalhães, Ana Carolina	Received Salary From: University of Sao Paulo
de Moura, Jose R.	Nothing to Disclose
DeKlotz, Cynthia M.	Nothing to Disclose
Delaporte, Emmanuel	Nothing to Disclose
Deleporte, Pascal	Nothing to Disclose
Delle, Veridiana	Nothing to Disclose
Denkova, Radina	Nothing to Disclose
Desai, Shraddha	Nothing to Disclose
Desai, Shrikar R.	Nothing to Disclose
Dias Alves, Danuza	Nothing to Disclose
Dias Gomes, Leandro	Nothing to Disclose
Dias, Alana	Nothing to Disclose
DiBernardo, Barry E.	Received Grant Funding From: Cynosure, StratPahrma, Suneva, Thermi, Nutrafol, Defanage; Received Equipment From: Sciton; Received a Discount From: Cynosure, ERelevance, Thermi; Received Consulting Fees From: Thermi, Cynosure, Vision Medical, XMedical; Travel Expenses Paid By: Thermi, Cynosure, Vision Medical; Received Honoraria From: Cynosure, Merz, Thermi, XMedical; Holds Ownership Interests With: RealSelf, HintMD; Received Royalties From: Elsevier; Served on Advisory Board For: Thermi, Cynsoure, Merz; Served As Officer or Director For: ASERF; President; Served on Promotional Speakers Bureau For: Thermi, Cynsoure, eRelevance
Dierickx, Christine C.	Received Equipment From: Lutronic; Received Consulting Fees From: Philip, Lumenis, Cynosure; Received Honoraria From: Cynosure, Lumenis; Served on Advisory Board For: Miradry
DiGiorgio, Catherine M.	Nothing to Disclose
Doherty, Sean T.	Received Equipment From: Cynosure; Received a Discount From: Cynosure; Received Honoraria From: Allergan, Galderma; Served on Advisory Board For: Allergan; Served on Promotional Speakers Bureau For: Allergan; Served as a Medical Director For: Cynosure
Donaldson, Cortney	Nothing to Disclose
Dong, Yajie	Holds Ownership Interests With: QLED Cures LLC
dos Santos Barreto, Gisele	Nothing to Disclose

NAME	DISCLOSURES
Dover, Jeffrey S.	Received Grant Funding From: Allergan, Cutera, Cynosure, Lumenis, Merz, Revance, Sebacia, Shaser, Solta, Suneva, Syneron-Candela, Valeant, Zeltiq; Strasthsbey Crown - Evolus, Terakine, Sienna; Received Equipment From: Cynosure, Lumenis, Syneron-Candela; Received Consulting Fees From: Cynosure, Solta, Valeant, Zeltiq; Received Honoraria From: Allergan, Cutera, Cynosure, Revance, Solta, Syneron-Candela, Topokine, Valeant, Zeltiq; Holds Ownership Interests With: Controversies and Conversations in Laser and Cosmetic Surgery Advanced Symposium; Shaser; Received Royalties From: CVS, Elsevier; Have Intellectual Property Rights With: Shaser; Served on Advisory Board For: Allergan, Cutera, Cynosure, Kythera, Lumenis, Revance, Shaser, Solta, Suneva, Topokine, Valeant, Zeltiq; Served as series editor of Procedures in Cosmetic Dermatology published by Elsevier; Served As Officer or Director For: Controversies and Conversations in Laser and Cosmetic Surgery Advanced Symposium
Downie, Jeanine B.	Holds Ownership Interests With: RegimenMD; Served as a Consultant for: Johnson & Johnson, Allergan, Valeant, Pfizer, Galderma, Intendis (Bayer), Skin Medica, Merz, BTL, Proctor & Gamble, Restorsea, Theraplex LLC, Lifes 2 Good, Perigee Medical, Nutrafol, ThermiRF; Served as a Researcher For: Johnson & Johnson, Allergan, Skin Medica, Merz, Rev
Droigk, Christine	Nothing to Disclose
Duarte, Ivone d.	Nothing to Disclose
Dupont, Clément	Received Salary From: Inserm
Durkin, Anthony J.	Received Grant Funding From: SBIR/NIH Modulated Imaging Inc.; Holds Ownership Interests With: Modulated Imaging Inc.; Have Intellectual Property Rights With: Modulating Imaging Inc.
Ebbers, Edward A.	Nothing to Disclose
Eder, Scott E.	Received Equipment From: Lumenis LTD.; Received Consulting Fees From: Lumenis LTD.; Travel Expenses Paid By: Lumenis LTD.; Received Honoraria From: Lumenis LTD.; Served on Promotional Speakers Bureau For: Lumenis LTD.
Ehrlich, Alison	Received Consulting Fees From: Abbvie; Served on Advisory Board For: Abbvie, Boehringer Ingelheim; Served on Promotional Speakers Bureau For: Lilly, Abbvie, Cellgene Served as Primary Investigator For: Abbvie, Janssen, Leo, Lilly, UCB, Demira
Ehtiyatkar, Pasha	Nothing to Disclose
Ekelem, Chloe N.	Nothing to Disclose
El-Barbary, Amira	Nothing to Disclose
El-Beshry, Gasser M.	Nothing to Disclose
Elbuluk, Nada	Nothing to Disclose
Elrnory, Amr	Nothing to Disclose
El-Ramly, Amany Z.	Nothing to Disclose
Emer, Jason J.	Received Equipment From: Suneva; Served on Advisory Board For: Suneva
Erlendsson, Andres M.	Nothing to Disclose

NAME	DISCLOSURES
Esenaliev, Rinat	Nothing to Disclose
Esmat, Samia M.	Nothing to Disclose
Esmat, Soheir	Nothing to Disclose
Evers, Michael	Nothing to Disclose
Ezaldein, Harib	Nothing to Disclose
Ezerskaia, Anna	Nothing to Disclose
Fabi, Sabrina G.	Received Consulting Fees From: Allergan, Galderma, Merz, Thermi, Revance; Received Honoraria From: Allergan, Galderma, Merz, Thermi, Alastin; Served on Advisory Board For: Allergan, Merz, Galderma, Thermi, Alastin, Sinclair; Served on Promotional Speakers Bureau For: Allergan, Merz, Galderma, Thermi
Fang, Yanyan	Nothing to Disclose
Farah, Ronda S.	Received Grant Funding From: Galderma 2011; Received Equipment From: Hair Max, Capillus, Laser Cap, Theradome, iGrow; Holds Ownership Interests With: Pfizer, Gilead
Farinelli, William A.	Nothing to Disclose
Fehlman, Jennifer A.	Nothing to Disclose
Feng, Hao	Nothing to Disclose
Feng, Xin	Nothing to Disclose
Feng, Xu	Nothing to Disclose
Fernandes, Kristianne P.	Nothing to Disclose
Ferrer Espada, Raquel	Nothing to Disclose
Ferzli, Georgina M.	Nothing to Disclose
Firmalino, Miracle Vania	Nothing to Disclose
Fischer, Daniel	Nothing to Disclose
Fisher, David E.	Nothing to Disclose
Fox, Matthew	Nothing to Disclose
Franco, Adriana Lino dos Santos	Nothing to Disclose
Franks, Andrew G.	Nothing to Disclose
Franks, Linda K.	Received Consulting Fees From: Allergan, Anterios; Received Honoraria From: Allergan, Anterios; Have Intellectual Property Rights With: Allergan, Anterios
Friedman, Or	Nothing to Disclose
Friedman, Paul M.	Received Grant Funding From: Sienna; Served on Advisory Board For: Allergan, Solta, Syneron Candela; Served on Promotional Speakers Bureau For: Allergan; Served as an Investigator For: Sienna Pharmaceuticals
Friedmann, Daniel P.	Received Grant Funding From: Zeltiq Aesthetics; Received Equipment From: Lumenis Ltd.; Received Consulting Fees From: Allergan USA, Inc.; Merz North America; Lumenis Ltd; Suneva Medical, Inc.; Travel Expenses Paid By: Allergan USA, Inc.; Merz North America; Lumenis Ltd; Stratapharma; Suneva Medical, Inc.; Received Honoraria From: Allergan USA, Inc.; Merz North America; Lumenis Ltd; Suneva Medical, Inc.; Served on Advisory Board For: Aclaris Therapeutics; Merz North America, Inc.; Allergan USA, Inc.; Served on Promotional Speakers Bureau For: Allergan USA, Inc.; Merz North America, Inc.; Lumenis Ltd

NAME	DISCLOSURES
Fuchs, Christine	Nothing to Disclose
Fujimoto, Takahiro	Nothing to Disclose
Gareau, Daniel S.	Nothing to Disclose
Garibyan, Lilit	Nothing to Disclose
Garzon, Felix	Nothing to Disclose
Gaspar, Adrian	Received Honoraria From: ASLMS, Fotona
Gaspar, Alexya C.	Nothing to Disclose
Gaviria P, Jorge E.	Nothing to Disclose
Gawdat, Heba	Nothing to Disclose
Ge, Yiping	Nothing to Disclose
Geisler, Amelia	Nothing to Disclose
George, Jacob	Nothing to Disclose
Geronemus, Roy G.	Holds Ownership Interests With: Cytrelis; Served on Advisory Board For: Cynosure, Syneron-Candela, Valeant/Allergan, Cytrelis; Served As Investigator For: Syneron/Candela, Cynosure, Cutera, Valeant, Allergan, Revance, Miramar, Cytrelis, Merz, Suneva, Sienna Labs, Lutronic, Galderma, Kerastem, New York Stem Cell Foundation
Goh, Chee-Leok	Nothing to Disclose
Golabgir Anbarani, Afarin	Nothing to Disclose
Gold, Michael H.	Received Grant Funding From: Celgene, Croma, Johnson & Johnson, Merz, Neothetics, Prolenium and Valeant; Received Honoraria From: Suneva, EndyMed, Syneron-Candela, Alma Lasers, Invasix, SkinCeuticals, Merz, Aerolase, Aqua, Allergan, Galderma, DefanAge, SinClair Pharm, Sente, Thermi, Lumenis, Almirall, Bayer Health Care, Anaco Pharmaceuticals, Celgene, Croma, Erchonia, Exeltis, Neoghetics, Novartis, Poerre Fabre, Prolenium, Promius, Smith & Nephew, Valeant, IntraDerm, Viviscal and Zimmer; Served on Advisory Board For: Thermi, Almirall, Exeltis, IntraDerm, Johnson & Johnson, Aerolase, Croma, Erchonia, Prolenium, Sente, Sinclair Pharma
Goldberg, David J.	Received Grant Funding From: Cutera, Cynosure, Focus, Sebacia, Sienna, Novan, Allergan, Merz, Galderma, Stratpharma, Chroma, Foamix, Syneron, InMode; Received Consulting Fees From: Almirall, J&J, ThermiAesthetics, Merz, Sinclair, Sensus, RSI; Received Honoraria From: Sinclair, Cutera, InMode, Endymed, Thermi, Merz, Allergan, Alma; Lumenis; Served on Advisory Board For: J&J, Thermi, Merz, Galderma, Almirall; Served As Officer or Director For: ASLMS; Served on Promotional Speakers Bureau For: Cutera, Merz, Lumenis, Sensus, Stratpharma; Served As CMO For: Aquavit Pharmaceuticals
Goldberg, Gerald N.	Received a Discount From: Cutera, DEKA; Received Consulting Fees From: Cutera, DEKA, Sciton; Received Honoraria From: Cutera, DEKA; Served on Promotional Speakers Bureau For: Cutera, DEKA
Goldfarb, Noah	Nothing to Disclose

NAME	DISCLOSURES
Goldfarb, Richard M.	Received a Discount From: Factor Medical/Selphyl; Travel Expenses Paid By: Factor Medical/Selphyl; Holds Ownership Interests With: Factor Medical/Selphyl; Have Intellectual Property Rights With: Factor Medical/Selphyl; Served on Advisory Board For: Factor Meical/Selphyl; Served As Officer or Director For: Factor Medical/Selphyl
Goldman, Mitchel P.	Received Grant Funding From: Sienna; Received a Discount From: Lumenis, Merz, Solta, Syneron-Candela; Lutronic, Cynosure; Received Consulting Fees From: Sienna Pharma; Received Honoraria From: Lumenis; Sienna Pharma; Holds Ownership Interests With: Sienna Pharma; Served on Advisory Board For: Sienna
Gomes, Andréa O.	Nothing to Disclose
Goncalves, Marcela Leticia	Nothing to Disclose
Gonzalez, Noelani	Nothing to Disclose
Gonzalez-Lima, Francisco	Nothing to Disclose
Goth, Will	Nothing to Disclose
Graham, Paul M.	Nothing to Disclose
Grant, Auston C.	Nothing to Disclose
Green, Jeremy B.	Received Grant Funding From: Allergan, Cutera, Cynosure, Merz, Sienna; Holds Ownership Interests With: Candasant, Illustris; Served on Advisory Board For: Allergan, Galderma, Merz; Served on Promotional Speakers Bureau For: Allergan, Cutera, Merz
Gregory, Richard O.	Received Equipment and Honoraria from and Holds Ownership with: Thermi Aesthetics
Groff, William F.	Nothing to Disclose
Grubbs, Hailey	Nothing to Disclose
Grundfest, Warren S.	Received Grant Funding From: National Eye Institute, National Cancer Institute, National Institute for Biomedical Imaging and Bioengineering (all branches of NIH), NIH Center for Scientific Review, NCI, State of California Tobacco Related Disease Research Program, Pacific Institute for Medical Research, Friedman Family Fund; Received Honoraria From: University of Virginia; Have Intellectual Property Rights With: UCLA owns all intellectual property rights; Served on Advisory Board For: North Carolina State University, Arizona State University, University of California, Riverside
Gu, Ying	Nothing to Disclose
Guan, Xin	Nothing to Disclose
Guerette, Nathan L.	Received a Discount From: Sciton; Received Consulting Fees From: AmperSand, Sciton; Travel Expenses Paid By: Sciton; Received Honoraria From: Harvard; Received Royalties From: CL Medical; Have Intellectual Property Rights With: CL Medical; Served on Advisory Board For: Avadel; Served on Promotional Speakers Bureau For: Sciton
Guisbert, Eric	Nothing to Disclose
Guneri, Pelin	Nothing to Disclose
Guptarak, Jutatip	Nothing to Disclose

NAME	DISCLOSURES
Haedersdal, Merete	Received Grant Funding From: Galderma, Leo Pharma, Lutronic, Procter & Gamble, Sciton, Sebacia; Received Equipment From: Ellipse, Lutronic, Sciton, Syneron-Candela
Haerskjold, Ann	Nothing to Disclose
Haimovic, Adele	Nothing to Disclose
Halaney, David L.	Nothing to Disclose
Hamblin, Michael	Received Consulting Fees From: Lexington, Transdermal Cap, Medical Coherence, Vielight; Served on Advisory Board For: Lexington, Transdermal Cap, Medical Coherence, Vielight
Hamill, Selina S.	Nothing to Disclose
Hamzavi, Iltefat	Received Grant Funding From: AbbVie, Adelphi Values, Allergan, Estee Lauder, Ferndale Laboratories (all grants paid to institution); Received Equipment From: Johnson and Johnson; Received Consulting Fees From: Ferndale Laboratories, Johnson and Johnson (paid to institution); Received Honoraria From: National Psoriasis Foundation, SAWC; Served on Advisory Board For: AbbVie (non-compensated), Ferndale Laboratories; Served as President For: Hidradenitis Suppurativa Foundation (unfunded position)
Han, Yu	Nothing to Disclose
Handels, Heinz	Nothing to Disclose
Hansen, Steen Honoré	Nothing to Disclose
He, Juan	Nothing to Disclose
Hee Suku, Marie-Louise	Nothing to Disclose
Helal, Shereen O.	Nothing to Disclose
Helmy, kholoud	Nothing to Disclose
Hendel, Kristoffer K.	Nothing to Disclose
Henley, Jill	Nothing to Disclose
Hermesmeier, Maiko	Nothing to Disclose
Hernandez, Shannon L.	Received Consulting Fees From: Union Square Laser Dermatology
Hibler, Brian P.	Nothing to Disclose
Hoang, Mai P	Nothing to Disclose
Holikulov, Hasan G.	Nothing to Disclose
Honeybrook, Adam L.	Nothing to Disclose
Hong, Ellen	Nothing to Disclose
Honma, Kiyonobu	Nothing to Disclose
Hoopman, John E.	Nothing to Disclose
Hordinsky, Maria	Nothing to Disclose
Horliana, Anna Carolina R.	Nothing to Disclose
Hosking, Anna-Marie	Nothing to Disclose
Hoss, Elika	Nothing to Disclose
Hu, Allison C.	Nothing to Disclose
Huacuja, Aristides A.	Nothing to Disclose
Huang, Liyi	Nothing to Disclose
Huang, Yong	Nothing to Disclose
Huang, Yung-Hsueh	Nothing to Disclose
Huettmann, Gereon	Nothing to Disclose

NAME	DISCLOSURES
Huff, Madeline E.	Nothing to Disclose
Huh, Chang-Hun	Nothing to Disclose
Hunt, Heather K.	Received Grant Funding From: National Science Foundation; Received a Discount From: Academic discounts through Thorlabs, Optosigma, Newport, Fisher, etc.; Travel Expenses Paid By: National Science Foundation, University of Missouri; Received Honoraria From: National Science Foundation (serving as a proposal reviewer); Received Salary From: University of Missouri; Served As Officer or Director For: Institute of Biological Engineering
Hurtado, Eric	Received Consulting Fees From: Allergan
Ibrahim, Omer	Received Honoraria From: Suneva
Ibrahimi, Omar A.	Received Grant Funding From: Cutera, Lutronic; Received Honoraria From: Allergan, Cutera, Merz; Holds Ownership Interests With: Allergan, Revance; Served on Advisory Board For: Cutera; Served on Promotional Speakers Bureau For: Cutera, Lutronic, Zeltiq
Iglesia, Cheryl B.	Nothing to Disclose
Ilev, Ilko K.	Nothing to Disclose
Inada, Natalia M.	Nothing to Disclose
Ionta, Sarah	Nothing to Disclose
Irvin, Jennifer	Received Salary From: Blueshift International Materials; Have Intellectual Property Rights With: Blueshift International Materials
Ishak, Emily	Nothing to Disclose
Islip, Delaney	Nothing to Disclose
Ismail, Doaa	Nothing to Disclose
Jaccoma, Edward H.	Received Grant Funding From: Maine Technology Institute; Received Equipment From: Thermi RF; Received Consulting Fees From: Cynosure; Travel Expenses Paid By: Cynosure; Holds Ownership Interests With: eyeThera; Have Intellectual Property Rights With: intellectual eyeThera; Served As Officer or Director For: eyeThera
Jacob, Carolyn	Received Consulting Fees From: Allergan; Received Honoraria From: Abbvie, Galderma; Served on Advisory Board For: BTL Aesthetics
Jagdeo, Jared R.	Received Grant Funding From: DUSA; Received Honoraria From: SkinFix, PhotoMedex, Nutrafal, Sente; Served on Advisory Board For: L'Oreal; Served on Promotional Speakers Bureau For: DUSA
Jahnke, Marla	Received Grant Funding From: eb database research
Jakowatz, James	Nothing to Disclose
Jalian, H. Ray	Received Consulting Fees From: Zeltiq; Holds Ownership Interests With: Accure Acne; Served on Advisory Board For: Accure Acne
James, Bonney L.	Nothing to Disclose
Janfelt, Christian	Nothing to Disclose
Jauregui, Lauren	Nothing to Disclose
Javed, Muhammad	Nothing to Disclose
Javaji, Srimanasi	Nothing to Disclose

NAME	DISCLOSURES
Jeon, Hana	Nothing to Disclose
Jerdan, Kimberly	Nothing to Disclose
Jermain, Peter R.	Nothing to Disclose
Jiang, Kerrie	
Johnston, Yasmin H.	Nothing to Disclose
Jonak, Carrie	Nothing to Disclose
Juhasz, Margit L.	Nothing to Disclose
Junior, José Ribeiro L.	Nothing to Disclose
Kamei, Sergio K.	Nothing to Disclose
Kamel, Marwa M.	Nothing to Disclose
Kaminer, Michael S.	Received Grant Funding From: Soliton, Cytrelis, L'Oreal, Galderma; Received Consulting Fees From: Soliton, Cytrelis, Allergan, Zeltiq, Miramar, Cutera, L'Oreal, Cytrelis, MTF, Merz; Travel Expenses Paid By: Cutera; Received Honoraria From: Merz, Cutera; Served on Advisory Board For: Miramar, Zeltiq, Cytrelis, Soliton
Kang, Jin U.	Received Grant Funding From: NIH; Received Consulting Fees From: Lutronic Inc; Holds Ownership Interests With: LIV Medical Technology Inc; Received Salary From: Johns Hopkins University; Served on Advisory Board For: Lutronic
Kang, Sewon	Received Consulting Fees From: Galderma, L'Oreal, Unilever; Received Honoraria From: Galderma, L'Oreal, Unilever
Kappel, Stefani	Received Equipment From: ThermiRF, Merz, Allergan, Silhouette Instalift; Received Consulting Fees From: Merz; Travel Expenses Paid By: Merz; Received Honoraria From: Merz; Received Salary From: ZO Skin Health; Served on Advisory Board For: Merz; Served on Promotional Speakers Bureau For: Allergan, Merz, ThermiRF, ZO Skin Health
Karabut, Maria	Received Honoraria From: NTO "IRE-Polus"
Karaca, Betul	Nothing to Disclose
Karavan, Mahsa	Nothing to Disclose
Karavitis, Michael	Nothing to Disclose
Karlsmark, Tonny	Nothing to Disclose
Karmisholt, Katrine E.	Travel Expenses Paid By: Sciton
Katta, Nitesh	Nothing to Disclose
Katz, Bruce E.	Received Grant Funding From: CosmeceutTech, Cynosure, Kythera, Neoethetics; Received Equipment From: BTL; Received Consulting Fees From: DEKA Allergan, Merz, Galderma; Received Honoraria From: Syneron-Candela, Cynosure; Served on Advisory Board For: Allergan, Aliva, Merz, Syneron-Candela, Valeant; Served on Promotional Speakers Bureau For: Cynosure
Kaufman, David	Nothing to Disclose
Kauvar, Arielle N.	Received Grant Funding From: Syneron Candela, Allergan, Lumenis; Received a Discount From: Syneron Candela; Received Consulting Fees From: Sebacia; Served on Advisory Board For: Allergan, Sebacia

NAME	DISCLOSURES
Keaney, Terrence C.	Received Honoraria From: Allergan, Merz, Sciton, Syneron-Candela; Served on Advisory Board For: Allergan, Merz; Served on Promotional Speakers Bureau For: Allergan, Sciton, Syneron-Candela
Kelly, Kristen M.	Received Grant Funding From: National Institutes of Health, Sturge Weber Foundation, Allergan; Received Equipment From: Light Sciences Oncology, Syneron-Candela, Thermi, Novartis, Allergan, Solta; Received Consulting Fees From: Allergan, Syneron-Candela; Drug for studies from Light Sciences Oncology and Novartis
Kennedy, Gordon	Nothing to Disclose
Kenolova, Dilyana	Nothing to Disclose
Kent, David E.	Nothing to Disclose
Kent, Rhett	Nothing to Disclose
Kepp, Timo	Nothing to Disclose
Key, Douglas J.	Nothing to Disclose
Khalifian, Saami	Nothing to Disclose
Khatiri, Khalil A.	Nothing to Disclose
Khetarpal, Shilpi	Nothing to Disclose
Kilmer, Suzanne L.	Received Grant Funding From: Allergan, Cynosure, Cutera, Cytrelis, Galderma, Lumenis, Lutronic, Merz, Miramar, R2 Derm, Sienna Labs, Valeant, Zarin, Zeltiq, Zift; Received Consulting Fees From: Allergan, Galderma; Travel Expenses Paid By: Solta, Zeltiq; Served on Advisory Board For: Allergan, Cytrelis, Galderma, Lumenis, Merz, Miramar, Sienna Labs, Syneron-Candela, Zarin, Zeltiq, Zift
Kim, Eun	Nothing to Disclose
Kim, Jong Gu	Nothing to Disclose
King, Jason B.	Nothing to Disclose
Kingsley, Melanie M.	Nothing to Disclose
Kinney, Brian M.	Nothing to Disclose
Kobayashi, Fernanda Y.	Nothing to Disclose
Koo, Eugene	Nothing to Disclose
Koren, Amir	Nothing to Disclose
Koreshkov, Roman	Received Salary From: NTO "IRE-Polus"
Korta, Dorota	Nothing to Disclose
Kosari, Payman	Nothing to Disclose
Kositratna, Garuna	Nothing to Disclose
Kothare, Amogh	Nothing to Disclose
Kovalenko, Anastasiya	Received Salary From: NTO "IRE-Polus"
Krakovski, Andrew C.	Nothing to Disclose
Krasieva, Tatiana	Received Grant Funding From: NIH; Received Equipment From: NIH; Holds Ownership Interests With: ; Received Salary From: NIH
Krunic, Aleksander L.	Nothing to Disclose
Kuan, Edward C.	Travel Expenses Paid By: ASLMS; Served on Advisory Board For: ASLMS
Kunzler, Elaine	Nothing to Disclose
Kuriakose, M. Abraham	Nothing to Disclose
Labadie, Jessica G.	Nothing to Disclose
Lai, Kevin	Nothing to Disclose

NAME	DISCLOSURES
Lanzafame, Raymond J.	Received Grant Funding From: Apira Science; Received Equipment From: Apira Science, ImArcSys LiteCure; Received Consulting Fees From: Apira Science, Group, GLG Councils; 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); Have Intellectual Property Rights With: Biomedical Gateway LLC, Conversion Energy Enterprises, ImArcSys, New Skin Therapies LLC; Served As Officer or Director For: ASLMS, CMO for QLED Cures LLC. (start up for basic science research), Executive Director for Society of Laparoendoscopic Surgeons, House of Delegates of Medical Society of the State of New York, Monroe County Medical Society, North American Association for Laser Therapy; Consultant General and Plastic Surgery Devices Panel of the Medical Devices Advisory Committee of the FDA CDRH; Editorial Board and Associate Editor of Lasers in Medical Science, Editor-in-Chief of Photomedicine and Laser Surgery
Lask, Gary P.	Received Equipment From: Inmode/ Invasix; Holds Ownership Interests With: Inmode/Invasix, Sienna Biopharmaceuticals; Received Salary From: Inmode/Invasix, Vi Aesthetics; Served on Advisory Board For: Inmode/ Invasix, Vi Aesthetics
Lau, Ginger	Nothing to Disclose
Law, Brandon M.	Nothing to Disclose
Leanse, Leon G.	Nothing to Disclose
Lecomte, Fabienne	Nothing to Disclose
Lee, Kachiu C.	Nothing to Disclose
Lee, Nicole Y.	Nothing to Disclose
Lee, Sung	Nothing to Disclose
Leffell, David	Nothing to Disclose
Legacy, Michelle	Nothing to Disclose
Lehrer, Michael	Nothing to Disclose
Leiferman, Kristin M.	Received Grant Funding From: GlaxoSmithKline; Received Consulting Fees From: GlaxoSmithKline, Knopp Biosciences; Travel Expenses Paid By: Kyowa Kirin; Received Honoraria From: Kyowa Kirin; Received Salary From: University of Utah, Veterans Administration Medical Cebnter; Received Royalties From: Teva Pharmaceuticals, Mayo Clinic; Have Intellectual Property Rights With: patent with University of Utah; Served on Advisory Board For: Knopp Biosciences; Served As Officer or Director For: APFE
Lentsch, Griffin	Nothing to Disclose
Leo, Robot S.	Nothing to Disclose
Lepselter, Joseph	Nothing to Disclose
Lerche, Catharina M.	Nothing to Disclose
Levin, Yakir	Received Grant Funding From: ASDS
Levine, Robert	Nothing to Disclose
Li, Monica K.	Nothing to Disclose

NAME	DISCLOSURES
Liang, Ron	Nothing to Disclose
Liang, Rongguang	Nothing to Disclose
Lin, Bor-Shyh	Nothing to Disclose
Lin, Jessica	Nothing to Disclose
Lin, Tong	Nothing to Disclose
Linden, Kenneth G.	Received Grant Funding From: Genentech
Lish, Samantha	Nothing to Disclose
Liu, Hui	Nothing to Disclose
Liu, Junze	Nothing to Disclose
Liu, Steve H.	Nothing to Disclose
Liu, Xin	Nothing to Disclose
Loghdey, Saleem	Nothing to Disclose
Lopez Pineiro, Mildred	Nothing to Disclose
Lozanova, Paula	Nothing to Disclose
Lukac, Matjaz	Received Salary From: Fotona d.o.o.
Lyons, Jeri-Anne	
Mac, Jenny	Received Grant Funding From: ASLMS; Travel Expenses Paid By: UCR GSA Travel Grant, UCR Biochemistry Wedding Award, ASLMS; Received Salary From: UCR
MacGregor, Jennifer L.	Received Consulting Fees From: Mosaic Advisory consultant, Gheron Lehman Group; Served on Advisory Board For: Allergan related to Rhofade
Machado, Gabriela Benedito	Nothing to Disclose
Madi, Otávio	Nothing to Disclose
Maestri, Sandra E.	Nothing to Disclose
Mafaldo, Rodrigo	Nothing to Disclose
Magri, Nathan T.	Nothing to Disclose
Maire, Cyril	Nothing to Disclose
Majaron, Boris	Nothing to Disclose
Makin, Inder Raj S.	Nothing to Disclose
Mang, Thomas S.	Received Consulting Fees From: Concordia Healthcare, Pinnacle Biologics, Adgero Biopharmaceuticals; Travel Expenses Paid By: Adgero Biopharmaceuticals; Served on Advisory Board For: Adgero Biopharmaceuticals
Manstein, Dieter	Received Consulting Fees From: GME German Medical Engineering, Zeltiq; Has consulting contract with R2; Spouse Has Received Honoraria From: Zeltiq; Holds Ownership Interests With: Blossom Innovations, GME German Medical Engineering, Zalea; Received Royalties From: Massachusetts General Hospital (licensing contracts with Cynosure, Cytrelis, Solta, Zeltiq); Served on Advisory Board For: Zeltiq; Served As Officer or Director For: Blossom Innovations
Manuskiatti, Woraphong	Nothing to Disclose
Marin, Ana	Nothing to Disclose
Markey, Mia	Nothing to Disclose
Markowitz, Orit	Received Equipment From: Sciton
Marks, Dustin	Nothing to Disclose
Martin, Laura	Nothing to Disclose
Martingage, Caitlin	

NAME	DISCLOSURES
Martinez, Michelle	Nothing to Disclose
Mazhar, Amaan	Travel Expenses Paid By: MI Inc; Holds Ownership Interests With: MI Inc; Received Salary From: MI Inc; Have Intellectual Property Rights With: Have IP that is used in measurements
McBurney, Elizabeth I.	Nothing to Disclose
McCammon, Susan	Nothing to Disclose
McDaniel, David H.	Received Grant Funding From: BTL Aesthetics, Cynosure, Dermarche Labs, Allergan, Merz, SkinBetter Science, Thermigen, Photon MD; Received Equipment From: BTL Aesthetics, Cynosure, Zimmer, Thermi Aesthetics; Received a Discount From: BTL Aesthetics, Cynosure, ThermiAesthetics; Received Consulting Fees From: Cynosure, Allergan, BTL Aesthetics, Dermaforce, Photon MD; Travel Expenses Paid By: Allergan, SkinCeuticals; Received Honoraria From: Allergan, Dermarche Labs, Cynosure, SkinCeuticals; Holds Ownership Interests With: LifeSpan Extension, McDaniel Institute of Anti-Aging Research; Have Intellectual Property Rights With: McDaniel Institute of Anti Aging Research; Served on Advisory Board For: Allergan, Cynosure; Served As Officer or Director For: McDaniel Institute of Anti-Aging Research, McDaniel Laser and Cosmetic Center
McElroy, Austin	Nothing to Disclose
McGrath, Clare	Nothing to Disclose
Meesters, Arne	Nothing to Disclose
Mehregan, Darius	Nothing to Disclose
Merceo Bacchi Cirino, Simone	Nothing to Disclose
Mesinkovska, Natasha A.	Received Salary From: National Alopecia Areata Foundation;
Mesquita Ferrari, Raquel A.	Nothing to Disclose
Micci, Adelaide	Nothing to Disclose
Milanic, Matija	Nothing to Disclose
Miller, Dara	Received Salary From: Johnson & Johnson
Milner, Thomas E.	Received Grant Funding From: CPRIT and Clayton Foundation; Holds Ownership Interests With: Insight Photonics; Received Salary From: UTexas; Received Royalties From: UCalifornia and UTexas; Have Intellectual Property Rights With: IP owned by UCalifornia, and UTexas
Min, Wanki	Travel Expenses Paid By: Speclipse, Inc.; Holds Ownership Interests With: Speclipse, Inc.; Received Salary From: Speclipse, Inc.; Have Intellectual Property Rights With: Speclipse, Inc.; Served As Officer or Director For: Speclipse, Inc.
Ming Shan, Su	Nothing to Disclose
Misell, Lisa	Received Salary From: Ampersand; Served As Officer or Director For: Ampersand
Mishra, Vineet	Received Equipment From: Cutera; Strata Skin Sciences
Mitra, Kunal	Nothing to Disclose
Mogensen, Mette	Received Grant Funding From: Innovation Fund, Denamrk. ShapeOCT; Received Consulting Fees From: Leo Pharma, Denmark

NAME	DISCLOSURES
Moiseev, Viktor V.	Nothing to Disclose
Monteiro, Marcos R.	Nothing to Disclose
Moradi, Amir	Received Grant Funding From: Gal derma, Lutronic, Merz; Received Consulting Fees From: BTL, Galderma, Merz; Travel Expenses Paid By: Merz; Received Honoraria From: Merz, BTL; Served on Advisory Board For: Merz; Served on Promotional Speakers Bureau For: BTL, Merz
Mordon, Serge R.	Served on Advisory Board for: Advalight
Mortier, Laurent	Nothing to Disclose
Mosca, Rodrigo C.	Have Intellectual Property Rights With: IPEN
Mota, Lidiane Rocha	Nothing to Disclose
Motta, Lara J.	Nothing to Disclose
Moy, Austin J.	Received Salary From: University of Texas at Austin
Moy, Wesley	Nothing to Disclose
Mudda, Jayashree	Nothing to Disclose
Munavalli, Girish S.	Received Grant Funding From: Lutronic, Lumenis, Syneron, Zeltiq; Received Consulting Fees From: Lutronic, Lumenis, Syneron, Zeltiq, Inmode; Received Honoraria From: Lutronic, Lumenis, Syneron, Zeltiq, Inmode; Served on Advisory Board For: Sebacia; Served on Promotional Speakers Bureau For: Lutronic, Zeltiq
Murison, Max	Nothing to Disclose
Murmann, Susan G.	Nothing to Disclose
Nagarajan, Vivek Krishna	Nothing to Disclose
Nagavarapu, Usha	Nothing to Disclose
Nam, Seung Min	Nothing to Disclose
Narurkar, Vic A.	Nothing to Disclose
Nast, Alexander	Nothing to Disclose
Neel, Victor	Nothing to Disclose
Negishi, Kei	Received Equipment From: Cutera, Quanta System; Received Honoraria From: Cutera, Quanta System
Nehal, Kishwer S.	Nothing to Disclose
Nelson, Aislyn M.	Nothing to Disclose
Nelson, J. Stuart	Received Equipment From: Syneron-Candela, Cutera; Received Royalties From: University of California; Have Intellectual Property Rights With: Syneron-Candela
Nguyen, Hieu	Nothing to Disclose
Nicholson, Cynthia	Institution Received Grant Funding From Being a Sub-Investigator For: Allergan, Estee Lauder, and Ferndale Laboratories
Nishijima, Akio	Nothing to Disclose
Nishijima, Junko	Nothing to Disclose
Niv, Roni	Nothing to Disclose
Nogueira, Gesse Eduardo Calvo	Nothing to Disclose
Nouri, Keyvan	Nothing to Disclose
Novotny, Shelley	Nothing to Disclose
Nuccitelli, Richard	Nothing to Disclose
Nunes, Kenia	Nothing to Disclose

NAME	DISCLOSURES
Ochoa, Shari A.	Nothing to Disclose
Ojea, Alecsander	Nothing to Disclose
Okui, Nobuo	Nothing to Disclose
Olesen, Uffe Høgh	Nothing to Disclose
Oliveira, Ana Paula L.	Nothing to Disclose
Oliveira, Luz Marina A.	Nothing to Disclose
Olson, Sharon K.	
Onwudiwe, Oge C.	
Ortiz, Arisa E.	Received Grant Funding From: Sienna Inc, Revance; Received Equipment From: BTL, Invasix, Sciton; Received Consulting Fees From: Alastin, Merz, Sciton; Travel Expenses Paid By: Invasix, Kythera, Sciton; Received Honoraria From: Alastin, Invasix, Sciton; Holds Ownership Interests With: Allergan; Served on Advisory Board For: Alastin, Invasix, Rodan + Fields, Sciton, Sienna, Merz; Served on Promotional Speakers Bureau For: Invasix, Allergan, Sciton; Served as a Paid Spokesperson For: Guthy-Renker
Ortner, Vinzent K.	Received Grant Funding From: InnovationFund Denmark; Received Salary From: LEO Pharma Nordic
Ossin, David	Nothing to Disclose
Ottaviani, Giulia	Received Salary From: K-Laser D.o.o. (Slovenia)
Ovtcharov, Tracy	Nothing to Disclose
Owens, Patricia A.	Received Consulting Fees From: Rockwell Laser Industry, Fortec Medical; Travel Expenses Paid By: Rockwell Laser Industry, LIA; Received Honoraria From: Cosmetic Bootcamp LLC for Meeting Design, A+MD Symposium; Holds Ownership Interests With: AestheticMed Consulting International LLC and Online Laser Training LLC; Received Royalties From: Cengage Malady; Have Intellectual Property Rights With: OLTUSA
Paasch, Uwe	Received Equipment From: Alma Lasers, Asclepion, GME; Travel Expenses Paid By: Almirall, Alma Lasers, Quintessenz; Received Honoraria From: Almirall, Alma Lasers, Quintessenz
Paghdal, Kapila	Nothing to Disclose
Paixão Jordão, Camila	Nothing to Disclose
Pal, Rahul	Nothing to Disclose
Palm, Melanie	Received Consulting Fees From: Galderma, Merz, Allergan; Served on Advisory Board For: Allergan, Galderma, Merz, Lutronic, Lumenis; Served on Promotional Speakers Bureau For: Allergan, Galderma, Merz, Lutronic, Lumenis, Valeant; Served as Clinical Investigator For: Allergan, Galderma, Amersand, R2Derm
Paranjape, Amit S.	Travel Expenses Paid By: Syneron-Candela; Received Salary From: Syneron-Candela
Parchami, Neda	Nothing to Disclose
Park, EunSoo	Nothing to Disclose
Park, Hyle	Received Grant Funding From: NIH; Received Royalties From: MGH; Have Intellectual Property Rights With: MGH, UC

NAME	DISCLOSURES
Park, Joonhong	Nothing to Disclose
Parks-Miller, Angela	Received Consulting Fees From: AbbVie; Received Salary From: HS Foundation; President & Founding Director: Hope for HS (non funded)
Parsley, Margaret	Nothing to Disclose
Paskova, Katya	Nothing to Disclose
Patel, Trisha	Nothing to Disclose
Patel, Utpalkumar	Received Consulting Fees From: Aldeyra Therapeutics
Pavani, Christiane	Nothing to Disclose
Peet, John J.	Received Consulting Fees From: BioTE, Sciton; Travel Expenses Paid By: BioTE, Sciton; Received Royalties From: ACCMA; Served on Advisory Board For: BioTE, Sciton; Served As Officer or Director For: BioTE; Served on Promotional Speakers Bureau For: BioTE, Sciton, BTL
Pellionisz, Peter A.	Nothing to Disclose
Peng, Lin	Nothing to Disclose
Pennino, Ralph P.	Nothing to Disclose
Pereira, Daisa Lima	Nothing to Disclose
Pereira, Sylvania	Nothing to Disclose
Peterson, Jennifer D.	Travel Expenses Paid By: Lumenis, Galderma, Allergan, Merz, Revance; Received Honoraria From: Allergan, Merz, Lumenis, Galderma, Miradry; Served on Advisory Board For: Merz, Lumenis; Served on Promotional Speakers Bureau For: Galderma, Allergan, Lumenis, Miradry; Performed research For: Galderma, Revance, Colorscience, Lumenis, Allergan
Petrell, Kathleen G.	Nothing to Disclose
Petrov, Irene	Nothing to Disclose
Petrov, Yuriy	Nothing to Disclose
Petti, Christine A.	Received Grant Funding From: Cynosure
Philipsen, Peter A.	Nothing to Disclose
Phothong, Weeranut	Nothing to Disclose
Pilkiewicz, Frank G.	Received Equipment From: Adgero Biopharmaceuticals, Inc; Travel Expenses Paid By: Adgero Biopharmaceuticals, Inc; Holds Ownership Interests With: Adgero Biopharmaceuticals, Inc; Received Salary From: Adgero Biopharmaceuticals, Inc; Have Intellectual Property Rights With: Adgero Biopharmaceuticals, Inc.; Served As Officer or Director For: Adgero Biopharmaceuticals, Inc
Pinkhasov, Omar R.	Nothing to Disclose
Pinto, Nathali C.	Nothing to Disclose
Pitonyak, Lisa	Nothing to Disclose
Plotkin, Scott R.	Received Grant Funding From: Department of Defense, NIH; Received Consulting Fees From: Novartis; Travel Expenses Paid By: Children's Tumor Foundation; Holds Ownership Interests With: NFlection; Served on Advisory Board For: Children's Tumor Foundation
Pocock, Ginger M.	Holds Ownership Interests With: Cutera; Received Salary From: Cutera
Polnikorn, Niwat	Nothing to Disclose

NAME	DISCLOSURES
Ponnusamy, Sasikumar	Nothing to Disclose
Ponticorvo, Adrien	Nothing to Disclose
Poon, Emily	Nothing to Disclose
Pozner, Jason N.	Received Grant Funding From: MTF, TDM; Received Equipment From: Apollo, Bella Contour, Cutera, Cynosure, Exilis, Human Med, Inmode, Invasix, Jeisys, Lutronic, Oculoplastik, Sciton, Inc., Serene Medical, Solta, Sound Surgical, Syneron, Thermi, Zimmer; Received a Discount From: Alma, Canfield, Cytori, Cynosure, Ellman, Invasix, Ra Medical, Solta, Sound Surgical, Zeltiq; Received Consulting Fees From: Merz, Sciton, Cytrelis; Holds Ownership Interests With: Revance, Cytrelis, Plastic Surgery Channel; Have Intellectual Property Rights With: Sciton; Served on Advisory Board For: Allergan, Canfield, Cytrelis, Mentor, Merge, Midmark, Merz, New Beauty, Plastic Surgery Channel, Real Self, Syneron, Valeant; Served as Editor For: Aesthetic Plastic Surgery, Journal of Cosmetic & Laser Therapy, PSEN, QMP; Served as Investigator For: Syneron, Cynosure, HOYA, Invasix; Served as Reviewer For: Plastic and Reconstructive Surgery, Prime: International Journal of Aesthetic and Anti-Ageing Medicine; Served on Promotional Speakers Bureau For: Alma, Lifecell, Sciton, Cynosure, Inmode, Solta, Sound Surgical, Thermi, Zeltiq
Prather, Heidi	Travel Expenses Paid By: Aclaris, Galderma; Received Honoraria From: Aclaris, Galderma; Served on Advisory Board For: Aclaris
Pritzker, Rachel N.	Served on Advisory Board For: Galderma, Allergan; Served on Promotional Speakers Bureau For: Galderma
Prough, Donald	Nothing to Disclose
Purschke, Martin	Nothing to Disclose
Pyun, Sung Hyun	Travel Expenses Paid By: Speclipse, Inc.; Holds Ownership Interests With: Speclipse, Inc.; Received Salary From: Speclipse, Inc.; Have Intellectual Property Rights With: Speclipse, Inc.; Served As Officer or Director For: Speclipse, Inc.
Qiu, Suimin	Nothing to Disclose
Qureshi, Azam	Nothing to Disclose
Rabie Abdelhalim, Mona	Nothing to Disclose
Rahman, Saeed Ur	Nothing to Disclose
Rajaram, Narasimhan	Nothing to Disclose
Ravishankar, Adarsh	Nothing to Disclose
Reichenberg, Jason	Nothing to Disclose
Reichert, Barbara A.	Nothing to Disclose
Rengifo-Pardo, Monica	Nothing to Disclose
Rettig, Samantha	Nothing to Disclose
Reyns, Nicolas	Nothing to Disclose
Rice, Shawn	Nothing to Disclose

NAME	DISCLOSURES
Rivers, Jason K.	Received Grant Funding From: Allergan, Leo, Regeneron, Zeltiq; Received Consulting Fees From: Allergan, MetaOptima, Solta/Valeant, Suneva; Travel Expenses Paid By: Allergan, Solta, Suneva; Received Honoraria From: Allergan, Valeant; Holds Ownership Interests With: Riversol; Served on Advisory Board For: Allergan, Galderma, Valeant; Served As Officer or Director For: Riversol; Served on Promotional Speakers Bureau For: Allergan
Riyaz, Farhaad R.	Nothing to Disclose
Robb, Chris W.	Received Equipment From: Jeisys; Received Consulting Fees From: Intraderm; Travel Expenses Paid By: Sciton; Served on Advisory Board For: Sciton; Served on Promotional Speakers Bureau For: Sciton
Rodrigues Soares, Clariana	Nothing to Disclose
Rodriguez Troncoso, Joel I.	Nothing to Disclose
Rogers, Stephen	Nothing to Disclose
Rohrer, Thomas E.	Received Grant Funding From: Allergan, Merz, Pulse BioScience; Received a Discount From: Syneron-Candela; Received Honoraria From: Syneron-Candela; Served on Advisory Board For: Allergan, Syneron-Candela; Pulse BioScience
Roonpisuthipong, Wanjarus	Nothing to Disclose
Rosa, Ellen Perim	Nothing to Disclose
Ross, E. Victor	Received Grant Funding From: Cutera, Cynosure, Lumenis, Lutronic, Syneron-Candela; Received Equipment From: Cynosure; Received a Discount From: Alma; Received Consulting Fees From: Cynosure, Inmode, Lumenis, Miramar Labs, Sebacia, Syneron-Candela, Sciton, Cutera; Travel Expenses Paid By: Alma, Cynosure, Cutera, Lumenis, Lutronic; Received Honoraria From: Cutera, Sciton, Lumenis, Cynosure, Lutronic, Inmode; Served on Advisory Board For: Sebacia, Sciton, Allergan, Cutera
Rossi, Anthony M.	Received Grant Funding From: Skin Cancer Foundation; Received Consulting Fees From: Dynamed; Travel Expenses Paid By: Maviq; Received Honoraria From: Allergan; Cutera; Served on Advisory Board For: AAD; Served As Officer or Director For: AAD; ASDA
Rouhani Schaffer, Panta	Nothing to Disclose
Rouse, Nicole	Nothing to Disclose
Rowland, Rebecca	Nothing to Disclose
Rubin, Iris	Nothing to Disclose
Rubin, Nathan	Nothing to Disclose
Rupel, Katia	Nothing to Disclose
Russe, Elisabeth	Nothing to Disclose
Russell, Stewart	Nothing to Disclose
Russe-Wiflingseder, Katharina	Nothing to Disclose
Ryabova, Valentina	Received Honoraria From: NTO "IRE-Polus"

NAME	DISCLOSURES
Ryan, Hollie	Holds Ownership Interests With: Veritas Alchemy LLC (inactive); Received Salary From: McDaniel Institute for Anti-Aging Research
Rychnovsky, Steve	Travel Expenses Paid By: Adgero Biopharmaceuticals; Holds Ownership Interests With: Adgero Biopharmaceuticals; Received Salary From: Adgero Biopharmaceuticals; Have Intellectual Property Rights With: Adgero Biopharmaceuticals; Served As Officer or Director For: Adgero Biopharmaceuticals
Saber, Maha	Nothing to Disclose
Sadhvani, Divya	Nothing to Disclose
Sadick, Neil S.	Received Grant Funding From: Amgen, Cassiopea SpA, Celgene Corporation, Cutera Inc., Cynosure, Inc., DS Laboratories, Eli Lilly and Company, Endo International plc, Foamix, Galderma USA, Hydropeptide, LLC, Kadmon Corporation, LLC, LEO Laboratories Ltd (LEO Pharma), Neostrata, Novartis, Nutraceutical Wellness, LLC, Pfizer, Inc., Ralexar Therapeutics, Inc, Regeneron, Roche Laboratories, Valeant Pharmaceuticals International, Vanda Pharmaceuticals, Inc., Venus Concept; Received Consulting Fees From: Almirall, Allergan, Cynosure, Inc., Eclipse Medical, Gerson Lehrman Group, Valeant Pharmaceuticals International, Venus Concept, Eternogen, Merz Aesthetics; Received Honoraria From: Endo International plc, Galderma Laboratories, LP, Merz Aesthetics, Almirall, Allergan, Cynosure, Inc., Eclipse Medical, Gerson Lehrman Group, Valeant Pharmaceuticals International, Prescriber's Choice, Solta Medical, Endymed Medical Inc. USA, Venus Concept, Carma Laboratories, Inc., Cutera, Inc., Storz Medical AG, Zimmer, Celgene Corporation; Holds Ownership Interests With: Venus Concept, Eternogen, DermAvance, Slender Medical Ltd., Vascular Insights, LLC; Served on Advisory Board For: Endo International plc, Galderma Laboratories, LP, Merz Aesthetics
Saedi, Nazanin	Received Grant Funding From: Cynosure; Received Equipment From: Cynosure, Aerolase, Cartessa; Received Consulting Fees From: Cynosure, Solta, Vivo Capital, Alastin; Received Honoraria From: Cynosure, Solta; Served on Promotional Speakers Bureau For: Cynosure, Solta
Sahu, Aditi	Nothing to Disclose
Sain, Amanda	Nothing to Disclose
Sakamoto, Fernanda H.	Received Consulting Fees From: Living Proof; Olivo, Inc.; Received Honoraria From: Strata Sciences; Sofregen; Holds Ownership Interests With: Seven Oaks; Living Proof; Seventh Sense; MOE Devices; Cytrelis Received Royalties From: Seven Oaks; Have Intellectual Property Rights With: Seven Oaks; Served on Advisory Board For: Quanta Lasers
Salameh, Fares	Nothing to Disclose
Salma, Nunciada	Nothing to Disclose
Saluja, Raminder K.	Served on Advisory Board For: Cynosure; Served on Promotional Speakers Bureau For: Cynosure

NAME	DISCLOSURES
Sampaio Menezes, Honório	Nothing to Disclose
Samuels, Julene	Received a Discount From: Syneron Candela; Travel Expenses Paid By: Syneron Candela; Received Honoraria From: Syneron Candela
Santos, Daniel M.	Nothing to Disclose
Santos, Sherisse	Nothing to Disclose
Santos, Sofia Nascimento	Nothing to Disclose
Sawant, Tanvee	Nothing to Disclose
Scafuri, Louis	Travel Expenses Paid By: Zalea; Holds Ownership Interests With: Zalea; Received Salary From: Zalea; Served As Officer or Director For: Zalea
Schachar, Jeffrey	Nothing to Disclose
Schellenberg, Mason W.	Received Grant Funding From: Unrelated to current information; Travel Expenses Paid By: By lab to attend conference; Have Intellectual Property Rights With: Unrelated to current information
Schilling, Laura	Nothing to Disclose
Schlesinger, Todd E.	Received Grant Funding From: Allergan, Cutanea, Akros, Athenex, Abbvie, Concentrics, LEO, Novartis, Novan, Valeant, Boehringer Ingelheim, Lilly, Suneva Medical, Bayer, Galderma, Regeneron, Abbvie, Cotech, Dermira, Sebacia; Received Consulting Fees From: Suneva Medical, Galderma, Allergan, Regeneron, Sanofi; Received Honoraria From: Suneva Medical, Merz, Allergan, Bellus Medical, Galderma, Regeneron, Sanofi, Bayer; Served on Advisory Board For: Remedy; Served on Promotional Speakers Bureau For: Suneva Medical, Sanofi, Bayer, DUSA
Schlosser, Steven Kyle	Nothing to Disclose
Schneider, Samantha L.	Travel Expenses Paid By: Pfizer
Schomacker, Kevin	Travel Expenses Paid By: Syneron-Candela; Received Salary From: Syneron-Candela
Scott, Jeffrey	Nothing to Disclose
Sebastian, Katherine	Nothing to Disclose
Seo, Youngseok	Nothing to Disclose
Shah, Jasmine	Nothing to Disclose
Sharif, Ata	Nothing to Disclose
Sharma, Amit	Nothing to Disclose
Shatilova, Ksenia	Received Salary From: NTO "IRE-Polus"
Shek, Yee Nam Samantha	Nothing to Disclose
Sheu, Mary	Nothing to Disclose
Shiloh, Aaron	Travel Expenses Paid By: Sirtex; Received Honoraria From: BTG, Sirtex
Shlossman, Marc	Nothing to Disclose
Shumaker, Peter R.	Received Royalties From: Textbook editor published with Wolters Kluwer
Silva, Daniela F.	Received Grant Funding From: FAPESP 2015/05259-8; Received Salary From: Nove de Julho University
Sin, Jun Hyung	Nothing to Disclose
Sitenga, Graison	Nothing to Disclose
Sitenga, Jenna L.	Nothing to Disclose

NAME	DISCLOSURES
Slaney, David H.	Received Consulting Fees From: Zeiss, Gecko Medical, Alcou, Proctor and Gamble, Abbott Medical Optics, Exponent, Keylogic; Travel Expenses Paid By: Zeiss, Technolas, LIA; Received Honoraria From: Laser Institute of America
Smalley, Penny J.	Received Consulting Fees From: Megadyne; Travel Expenses Paid By: California Nurses Association, ICSP, Megadyne, Big Green Pty Ltd., Synergy Hong Kong; Received Honoraria From: Megadyne; Served As Officer or Director For: Secretary of Board of Directors, International Council on Surgical Plume (ICSP)
Smart, David	Nothing to Disclose
Smith, Janellen	Served on Advisory Board For: Arbonne
Soares, Stephanie S.	Nothing to Disclose
Song, Bofan	Nothing to Disclose
Sorbini, Pedro	Nothing to Disclose
Sprague, Rebecca L.	Nothing to Disclose
Sprecher, Eli	Nothing to Disclose
Sriramoju, Vidyasagar	Nothing to Disclose
St. John, Maie	Nothing to Disclose
Stadler, Istvan	Nothing to Disclose
Stankiewicz, Kelly J.	Received a Discount From: Cutera, Sciton; Received Honoraria From: Cutera; Served on Promotional Speakers Bureau For: Cutera
Stepp, Kevin	Travel Expenses Paid By: Sciton; Received Honoraria From: Sciton; Served on Promotional Speakers Bureau For: Sciton
Stergar, Jost	Nothing to Disclose
Stevens, Madelyn	Nothing to Disclose
Stoneburner, Jacqueline	Nothing to Disclose
Suggs, Amanda	Nothing to Disclose
Summers, Erika M.	Nothing to Disclose
Sun, Yidan	Nothing to Disclose
Sunny, Sumsum P.	Nothing to Disclose
Suresh, Amirtha	Nothing to Disclose
Swanson, Stephen G.	Nothing to Disclose
Swengel, Steven L.	Received a Discount From: Lasemd; Received Honoraria From: Lutronics
Szeimies, Rolf-Markus	Received Grant Funding From: Photonamic GMBH, European Community; Received Consulting Fees From: Almirall, Galderma, LEO; Travel Expenses Paid By: Almirall, Galderma, LEO; Received Honoraria From: Galderma; Served on Advisory Board For: Almirall, Biofrontera, Galderma, LEO; Served on Promotional Speakers Bureau For: Biofrontera
Tadir, Yona	Received Consulting Fees From: Alma Lasers
Takesh, Thair	Nothing to Disclose
Talasila, Sreya	Nothing to Disclose
Talebi-Liasi, Faezeh	Nothing to Disclose

NAME	DISCLOSURES
Tam, Joshua	Received Equipment From: FTSG Innovations Inc; Received Consulting Fees From: Medline Industries, Inc; Travel Expenses Paid By: Medline Industries, Inc; Holds Ownership Interests With: SevenOaks Biosystems LLC, FTSG Innovations Inc; Received Royalties From: Royalties from patents held by Massachusetts General Hospital; Have Intellectual Property Rights With: Co-inventor on patents held by Massachusetts General Hospital; Served on Advisory Board For: Scientific Advisory Board for FTSG Innovations, Inc; Received Equity Payment Resulting From the Acquisition of: SevenOaks Biosystems, LLC, by Medline Industries, Inc
Tan, Wenbin	Nothing to Disclose
Tanghetti, Emil A.	Received Equipment From: Cynosure; Travel Expenses Paid By: Cynosure, Accure; Holds Ownership Interests With: Accure; Received Salary From: Galderma, Allergan, Novartis; Served on Advisory Board For: Cynosure, Allergan, Galderma; Served on Promotional Speakers Bureau For: Allergan, Galderma, Cynosure, Novartis
Tannous, Zeina S.	Nothing to Disclose
Tanzi, Elizabeth L.	Received a Discount From: Zeltiq, Sciton; Received Consulting Fees From: Beiersdorf; Zalea, Allergan, Neutrogena, Beiersdorf, Soliton, Sciton; Received Honoraria From: Syneron-Candela, Zeltiq; Served on Advisory Board For: Aclaris, Zeltiq; Zalea, Soliton
Tasic, Blaz	Received Salary From: Fotona d.o.o.
Taylor, Mark B.	Received Grant Funding From: EndyMed; Received Equipment From: Fotona, Ellipse, Inmode, Eclipse; Received a Discount From: Fotona, Quanta, Syneron Candela; Received Consulting Fees From: Eclipse Medical, Allergan, Galderma, Fotona, Predictive Technologies; Received Honoraria From: Cynosure, Lumenis, Eclipse Medical, Fotona, Allergan; Holds Ownership Interests With: Predictive Technologies, Allergan, Valeant and Cosmion; Have Intellectual Property Rights With: Acne Scar Dissector; Served on Advisory Board For: Allergan, Galderma, Alastin; Served on Promotional Speakers Bureau For: Fotona, Inmode
Taylor, Zachary D.	Nothing to Disclose
Teller, Craig F.	Nothing to Disclose
Thecua, Elise	Received Salary From: INSERM
Thomas, Sherry	Received Equipment From: Perigee; Travel Expenses Paid By: Perigee, Jeysis; Receive Administration Fees for:
Thomas, Valencia	Nothing to Disclose
Ting, Joseph	Holds Ownership Interests With: Catapult Product Development; Received Salary From: Blossom Innovations; Served As Officer or Director For: Catapult Product Development
Tobita, Saori	Nothing to Disclose
Topaz, Orit	Nothing to Disclose
Tristani, Payam	Nothing to Disclose

NAME	DISCLOSURES
Tromberg, Bruce	Received Grant Funding From: NIH, NSF peer-reviewed research funding in Biophotonics; Received Equipment From: Time resolved spectroscopy instrument unrelated to presentation; Received Consulting Fees From: Hamamatsu Photonics and Advanced Elemental Technologies, Inc. unrelated to presentation Travel Expenses Paid By: Hamamatsu Photonics and Advanced Elemental Technologies, Inc. unrelated to presentation; Holds Ownership Interests With: Co-founder and <5% ownership in UCI startup Modulated Imaging, Inc. unrelated to presentation; Co-founder and 33% ownership in UCI startup Infraderm LLC related to presentation; Received Royalties From: Royalties for patents assigned to UC Regents and licensed to companies in fields unrelated to presentation; Have Intellectual Property Rights With: Patents unrelated to presentation assigned to UC Regents; Served on Advisory Board For: Universities unrelated to presentation; Served As Officer or Director For: Modulated Imaging, Inc. and Datavia Systems, Inc. unrelated to presentation
Trombetta, Ivani	Nothing to Disclose
Tunnell, James W.	Received Grant Funding From: Cancer Prevention and Research Institute of Texas, National Institutes of Health; Travel Expenses Paid By: Radiation Research Society, CLEO
Turetsky, Yelizaveta	Nothing to Disclose
Turetsky, Yelizaveta	Nothing to Disclose
Uebelhoer, Nathan S.	Nothing to Disclose
Ulmer, Marcie	Received Consulting Fees From: Allergan, Leo, Regeneron, Sanofi, (Zeltiq); Travel Expenses Paid By: Allergan, Leo, Regeneron, Sanofi, (Zeltiq); Received Honoraria From: Allergan, Leo, Regeneron, Sanofi, (Zeltiq); Served on Advisory Board For: Abbvie, Actelion, Aralez, Aspen, Galderma, Johnson & Johnson, Leo, L'Oreal, Valeant; Served on Promotional Speakers Bureau For: Actelion, Galderma, Leo, L'Oreal, Novartis; Served as a Sub-Investigator in Clinical Trials For: Allergan, Leo, Regeneron, Sanofi, (Zeltiq)
Ungakornpairote, Chanida	Nothing to Disclose
Urbach, Paul	Nothing to Disclose
Urdiales Galvez, Fernando	Nothing to Disclose
Uthoff, Ross	Received Grant Funding From: NIH; Received Consulting Fees From: Intuor Technologies LLC; Travel Expenses Paid By: NIH; Holds Ownership Interests With: Shareholder of various corporations through index funds
Vakharia, Paras	Nothing to Disclose
Vakoc, Benjamin	Received Royalties From: Terumo Corporation; Have Intellectual Property Rights With: Massachusetts General Hospital
Valdebran, Manuel	Travel Expenses Paid By: National Alopecia Areata Foundation
Vankayala, Raviraj	Nothing to Disclose

NAME	DISCLOSURES
Vargas, Gracie	Received Grant Funding From: NIH and Cancer Prevention Research Institute of Texas
Varghese, Babu	Received Salary From: Philips Research
Vasilev, Vasil	Nothing to Disclose
Vasily, David B.	Received Equipment From: Aesthetics Biomedical, Viora; Received a Discount From: Aesthetics Biomedical, Viora; Holds Ownership Interests With: CHL Industries-1/3; Served on Advisory Board For: Aesthetics Biomedical, MDRjuvena, Inc.
Vatanchi, Marjon	Nothing to Disclose
Vazirnia, Aria	Nothing to Disclose
Veiga, Gael C.	Nothing to Disclose
Verdel, Nina	Received Equipment From: Fotona
Vermandel, Maximilien	Nothing to Disclose
Vestvik, Brianne	Nothing to Disclose
Vicentini, Claire	Received Grant Funding From: ASLMS; Travel Expenses Paid By: Photodermatology Congress June 2017
Vickers, Jennifer	Nothing to Disclose
Vignion, Anne-Sophie	Nothing to Disclose
Villanueva, Michelle D.	Nothing to Disclose
Villarreal, Paula	Nothing to Disclose
Vinnichenko, Viktoriya	Received Salary From: NTO "IRE-Polus"
Vizintin, Zdenko	Received Salary From: Fotona; Holds Ownership Interests With: Fotona; Have Intellectual Property Rights With: Fotona; Served As Officer or Director For: Fotona
Wagh, Andy	Nothing to Disclose
Wahyudi, Natalia	Nothing to Disclose
Waibel, Jill S.	Received Equipment From: Michaelson Diagnostics; Received Consulting Fees From: Syneron-Candela; Travel Expenses Paid By: Loreal, Syneron/Candela, Sciton; Received Honoraria From: Loreal, Syneron/Candela, Sciton; Holds Ownership Interests With: Aquavit Pharmaceuticals; Have Intellectual Property Rights With: University of Miami; Served on Advisory Board For: Sebacia, Dominion Aesthetics, Sciton; Served in a Clinical Trial For: Aquavit Pharmaceuticals, Cytrellis Biosystems, Lumenis, Lutronic, Medisca Pharmaceuticals, Hygia Life Sciences, RegenX, Strata Skin Sciences, Michaelson Diagnostics, Syneron/Candela
Wang, Ying	Nothing to Disclose
Waniphakdeedecha, Rungsima	Nothing to Disclose
Wanner, Molly	Received Grant Funding From: Nu Skin; Received Consulting Fees From: Nu Skin
Washington, Toneia	Nothing to Disclose
Wat, Heidi	Nothing to Disclose
Weil, Alexandra	Nothing to Disclose
Weiner, Steven F.	Nothing to Disclose
Weinstein Velez, Mara C.	Nothing to Disclose
Weiss, Elliot T.	Nothing to Disclose

NAME	DISCLOSURES
Weiss, Margaret A.	Received Grant Funding From: Allergan, Cynosure, Evolus, Revance, Fibrocell, Galderma, Medtronic, Merz, Revance, Sebacia, Valeant/Solta; Received Equipment From: BTL Industries, Cynosure, Syneron-Candela; Received Consulting Fees From: Allergan, Fibrocell, Galderma, Merz, Syneron-Candela, BTL; Received Honoraria From: Allergan, BTL Industries, Cutera, Cynosure, Fibrocell, Galderma, Merz, SkinCeuticals, Syneron-Candela, ThermoAesthetics, Valeant/Solta; Served on Advisory Board For: Allergan, Cynosure, Merz, SkinCeuticals, Syneron-Candela, Valeant/Solta, Aclaris; Served As Officer or Director For: ASLMS, ASDS, AAD; Served on Promotional Speakers Bureau For: Cynosure
Weiss, Robert A.	Received Grant Funding From: Allergan, Cynosure, Evolus, Fibrocell, Galderma, Medtronic, Merz, Revance, Sebacia, Valeant/Solta; Received Equipment From: BTL Industries, Cynosure, Syneron-Candela; Received Consulting Fees From: Allergan, Fibrocell, Galderma, Merz, Syneron-Candela; Received Honoraria From: Allergan, BTL Industries, Cutera, Cynosure, Fibrocell, Galderma, Merz, SkinCeuticals, Syneron-Candela, ThermoAesthetics, Valeant/Solta; Served on Advisory Board For: Allergan, Cynosure, Merz, SkinCeuticals, Syneron-Candela, Valeant/Solta; Served As Officer or Director For: ASLMS; Served on Promotional Speakers Bureau For: Cynosure
Wenande, Emily	Travel Expenses Paid By: ASLMS Travel Grant
Whiteside, Paul J.	Received Grant Funding From: University of Missouri Fast Track Program Grant, ASLMS, A. Ward Ford Memorial Institute Grant; Have Intellectual Property Rights With: Patent US 14/730,845 issued
Wilder-Smith, Petra E.	Nothing to Disclose
Wink, Cherie	Nothing to Disclose
Wipf, Angela J.	Nothing to Disclose
Wolkerstorfer, Albert	Received Grant Funding From: AvitaMedical
Wong, Brian J.	Received Grant Funding From: Flight Attendant Medical Research Institute, OCT Medical Imaging, National Institutes of Health; Received a Discount From: SPIE; Travel Expenses Paid By: ASLMS; Received Honoraria From: National Institutes of Health; Holds Ownership Interests With: Praxis BioSciences; Have Intellectual Property Rights With: Aerin Medical, University of California
Wong, Christopher	Nothing to Disclose
Woods, Daniel	Received Salary From: Michelson Diagnostics Ltd
Woodward, Julie	Nothing to Disclose
Wu, Douglas	Received Honoraria From: Thermo Aesthetics, Syneron Candela, Allergan, Merz; Served on Advisory Board For: Thermo Aesthetics, Syneron Candela; Served on Promotional Speakers Bureau For: Allergan, Syneron Candela
Wu, Xingjia	Received Salary From: CRADA between USUHS and LiteCure LLC

NAME	DISCLOSURES
Wulkan, Adam J.	Nothing to Disclose
Yamamoto, Maki	Travel Expenses Paid By: Boston Scientific, Amgen; Received Honoraria From: Amgen; Served on Promotional Speakers Bureau For: Amgen
Yang, Jinping	Nothing to Disclose
Yang, Yin	Nothing to Disclose
Yao, William	Received Grant Funding From: ASLMS Student Research Grant
Yaroslavsky, Anna N.	Nothing to Disclose
Yaroslavsky, Ilya	Travel Expenses Paid By: IPG; Holds Ownership Interests With: Cynosure, IPG; Received Salary From: IPG
Yelamos, Oriol	Nothing to Disclose
Yeung, Chi K.	Received Salary From: Hong Kong Dermatology and Laser Centre
Yeung, Kelvin	Nothing to Disclose
Yin, Rong	Nothing to Disclose
Yoda, Kikue K.	Nothing to Disclose
Yonan, Yousif	Nothing to Disclose
Yu, Bing	Received Grant Funding From: NIH, Marquette University; Holds Ownership Interests With: Zenalux Biomedical Inc.; Received Salary From: Marquette University & Myriad Genetics Inc.; Received Royalties From: Duke University; Have Intellectual Property Rights With: Duke University and University of Akron
Yu, Junxiao	Nothing to Disclose
Zacchigna, Serena	Nothing to Disclose
Zachary, Christopher B.	Received Equipment From: Thermo; Received a Discount From: ;Received Consulting Fees From: Sciton, Zeltiq, Solta; Received Honoraria From: Solta; Zeltiq; Served on Advisory Board For: Solta, Sciton, Zeltiq; Merz
Zalevsky, Zeev	Nothing to Disclose
Zeituni, Carlos A.	Nothing to Disclose
Zelickson, Brian D.	Received Grant Funding From: Newton Medical, Siena Lab, Zeltiq; Syneron, Recross Medical, R2 Medical; Holds Ownership Interests With: Newton Medical, Siena Lab; MD Complete, Zift Medical, United Skin Specialists, Recross Medical; Received Royalties From: Syneron-Candela; Have Intellectual Property Rights With: Newton Medical; Served on Advisory Board For: Syneron-Candela, Zeltiq, Recross Medical
Zerah, Michele L.	Nothing to Disclose
Zhang, Yao	Nothing to Disclose
Zumwalt, Jonathan	Nothing to Disclose
Zuo, Vincent	Received Salary From: Blossom Innovations
Zupin, Luisa	Nothing to Disclose

For complete/updated disclosures, please see the ASLMS mobile app.

Policies & Guidelines

Official Language

The official language at the ASLMS Annual Conference is English. No simultaneous translation is available.

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 ASLMS. Any sound reproduction, transcript or other use of the material presented at the Annual Conference without the permission of the speaker or 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 during educational sessions represent the personal views of the individual participants and do not represent the opinion of 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.

Discrimination Policy

The Society does not discriminate on the basis of race, color, religion, creed, gender, national origin, ancestry, age, disability, or sexual orientation in any aspect of its operations, including, but not limited to, the provision of services, membership on the Society's governing board or committees, and attendance at or participation in the Society's programs, grant selection, meetings, and events.

Educational Session Handouts

In an effort to be environmentally conscious and to embrace technological advancement, ASLMS will **not** provide print/hard copy handouts for any educational sessions. Handouts will be available via the ASLMS mobile app to registered attendees prior to the conference - search for ASLMS in the Apple App or Google Play stores or go to <https://aslms.gatherdigital.com/> for Blackberry, Windows, or on your computer. Attendees may then choose to access the links to view handouts electronically or to print materials on their own prior to the conference. A printed/hard copy of the Conference Program will be available at the conference registration desk for registered conference attendees.

Personal Information Made Available Through Lead Retrieval System

The name badges given to conference attendees have a barcode that is tied to the ASLMS registration database. When you allow an exhibitor to scan your badge, personal information will be available to the exhibitor and may be used to contact you after the conference. The personal information that becomes available upon scanning includes your name, title, e-mail address, employer name, and work address and telephone number.

Internet

Free wireless internet service will be available throughout the ASLMS conference rooms. This service is designed for casual users and not guaranteed.

Literature/Photography/Videotaping Policy

NO literature can be distributed during scientific sessions. **NO** photography or videotaping is permitted in educational sessions or the exhibit hall.

ASLMS reserves the right to take photos/videos at the Annual Conference and to publish them in ASLMS marketing materials. Your attendance and registration authorizes ASLMS to publish photos/videos in our publications, marketing materials and on our website. If your photo/video appears on the website or in a publication, and you prefer that we discontinue using the material, please contact our office.

Research Education Fund Ribbons and Pins

We sincerely appreciate member contributions to ASLMS research. We acknowledge members contributing to the ASLMS Research Fund with ribbons and members contributing to the Advancement of Laser Medicine Endowment Fund with pins during the conference.

Complimentary Continental Breakfasts/Breaks

Complimentary continental breakfasts 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, or via notification through the ASLMS mobile app.

Smoking

It is a policy of ASLMS and the facility 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.

Responsible Drinking Policy

With alcohol served during conference receptions, 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.

Childcare Services

Children under the age of 16 are not permitted in the exhibit hall or educational sessions. Attending parents are responsible for arranging their own childcare if needed. Please contact the hotel concierge for recommended reliable childcare services.

Press

Press materials are available to media online. Please contact Andrea Alstad, Marketing and Communications Manager, via email at andrea@aslms.org or by phone 715-845-9283, with media inquiries. Andrea will be available throughout the conference to offer additional information or to arrange interviews. 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 715-845-9283.
- » Members of the press are not permitted to ask questions at the microphones or via the mobile app during an educational session.
- » **NO** photography or videotaping is permitted in educational sessions or the exhibit hall.

CME Mission Statement

The American Society for Laser Medicine and Surgery (ASLMS) is a multi-disciplinary organization whose membership includes representatives from all medical and surgical disciplines, nursing, allied health, dentistry, podiatric medicine, veterinary medicine, industry, research and government.

Purpose

ASLMS is dedicated to enhancing the understanding of lasers and the application of laser, light, energy-based 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 multi-specialty 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, September 29, 2017

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 light/energy-based 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 behind energy-tissue interactions to the most up-to-date laser and energy device research to their everyday practical use in the clinic.

Designated Participants

The designated participants are all those interested in the use of lasers, light/energy-based 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, oncologists, gynecologists, just to name a few. Laboratory researchers attending the conference include, but are not limited to, engineers, physicists, biologists, and chemists. In addition, attendees from the nursing and allied health fields as well as industry itself are all welcome to share information about a variety of topics on lasers.

Background Requirements

While knowledge of lasers and energy devices and their use in medicine and surgery is desired, the conference is directed at all levels including novices coming to learn about lasers for the very the first time.

Expected Learning Outcomes

Attendees of the conference will improve understanding of the new basic science and clinical research in lasers and energy devices that may lead to novel therapeutic strategies. In addition, attendees will be better able to select appropriate laser and energy device therapies for specific patient problems; and anticipate, prevent, and manage adverse events associated with clinical laser treatments and 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 Fundamentals courses, clinical application courses, luncheons, workshops, plenary session, clinical breakout sessions and combined sessions, expert panels, focus sessions, and poster presentations. The multispecialty nature of this conference provides cross-fertilization among specialties, which frequently leads to clinical breakthroughs in multiple fields.

Commercial Support Guidelines

The American Society for Laser Medicine and Surgery was established exclusively for literary and scientific purposes. These purposes include a wide range of activities such as developing lines of communication between individuals engaged in all phases of laser technology application and development in the broad fields of laser biology, surgery and medicine; promoting the standards for the use of these technologies in biomedicine; providing continuing education; facilitating and promoting research and development; and providing high quality forums for the exchange of ideas and methodologies across laser biomedicine. As an organization accredited by the Accreditation Council for Continuing Medical Education (ACCME) the following commercial support guidelines have been developed to ensure the quality of our education programs.

Conference Guidelines

1. The ASLMS adheres to regulations as mandated by the Physician Payment Sunshine Act ("Sunshine Act") as well as current ACCME regulations and guidelines.
2. The ASLMS will have the ultimate responsibility for the planning, development and content of continuing education programs. Commercial supporters will not direct content or influence the planning or implementation of ASLMS programs.
3. Commercial supporters may not organize any functions involving attendees during the actual hours of any educational program. Commercial exhibits should enhance the scientific activities of the ASLMS and not interfere with the scientific program.
4. Commercial supporters may not use the ASLMS or annual conference logos in conjunction with advertising or promotion without written permission.
5. All of the proceedings of the ASLMS educational programs are 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 and/or to the ASLMS. Any sound reproduction, transcript or other use of the material presented at an ASLMS educational program without the permission of the speaker and/or the ASLMS is prohibited to the full extent of common law copyright in such material.
6. Support of CME programs shall be accepted only as short-term donation of equipment/accessories for continuing education courses, exhibitor registration fees or a donation of funds restricted for support of food/beverage functions.
7. Distribution of any literature outside of the exhibit space is prohibited during scientific sessions.
8. Commercial supporters may not engage in sales or promotional activities within scientific sessions, social events (outside of the exhibit hall) or business meetings.
9. Commercial support of the conference through donations of equipment/accessories, donations of funds for food/beverage functions and exhibitor fees may be acknowledged on promotional materials and/or in an acknowledgement booklet or other materials distributed to attendees. However, ACCME regulations preclude the inclusion of such information in the final program. Scientific chairs may recognize the support during the announcements at the conference/courses. Corporate slogans and logos are not permissible.
10. Program committee members may not be in a position of conflict of interest by virtue of an undisclosed relationship with industrial companies that fund CME activities or surgical research activities.
11. 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. In addition, the presenter must indicate the FDA status of the devices used for the material being presented. 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 relevant financial relationships, will be disqualified from being a part of the planning and implementation of the CME activity.
12. ASLMS policy and practice is that sponsorships are solicited by way of an offering to all appropriate entities based on the requirements for maintaining ACCME accreditation as well as maintaining the Society's independence,

objectivity and reputation for excellence. Offering a sponsorship opportunity to a single entity is acceptable only if the opportunity is one to renew a sponsorship and the option to renew was a provision of the original sponsorship.

Research Grants

1. Grants or other funds to permit students, residents or fellows to attend educational events shall be permissible as long as the ASLMS, the grantee's institution or another scientific society makes the selection of participants for these funds.
2. Selection of research grants and/or awarding of fellowships supported by industry shall be made by the ASLMS free from any influence from industry.
3. Commercial support of research may be recognized in the minutes of business meetings. However, commercial representatives may not occupy prominent positions at business meetings, scientific sessions, or social events.

Management of Funds

1. Decisions regarding funding arrangements for CME programs will be the responsibility of the ASLMS. The terms, conditions and purposes of such grants and funds shall be documented by a signed agreement between the commercial supporter and the ASLMS. No funds from a commercial supporter shall be paid to members of the ASLMS Board or Executive Committee, or others involved in CME programming.
2. Commercial support shall be disclosed in a sponsorship acknowledgement booklet or other formats as permitted by ACCME regulations. The provider's acknowledgment and disclosure of commercial support as required by ACCME SCS 6.3 and 6.4 may state the name, mission, and areas of clinical involvement of an ACCME-defined commercial interest. Corporate logos and slogans are not permissible on CME materials or in educational content.

Approved by the Board of Directors, September 29, 2017.

ASLMS Policy on Mechanism to Identify and Resolve Conflict of Interest

The American Society for Laser Medicine and Surgery is 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(s).
3. If a 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 Acknowledgement of Disclosure Review form. If it appears that a 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(s) select Section Chairs.
6. A COI form is completed by each of the Section Chairs.
7. If a 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(s) COI forms and completes an Acknowledgement 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 Acknowledgement 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, the Section Chair, Program Chair and CME Director, under the guidance of the Board of Directors, will make the determination 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 posted online, provided to attendees via electronic link, included as part of the preliminary (online only) and final programs (online and print copy at conference) and published in the journal.
12. At the Annual Conference:
 - 12.1. 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.

- 12.2. In addition to a COI statement being posted online, provided via electronic link, and 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.
- 12.3. 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
- 12.4. 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).
- 12.5. Board members are provided with audit forms and asked to verify if Speakers disclose COI.
- 12.6. Attendees complete evaluation forms and are asked to comment about proper COI disclosure. Evaluation forms are reviewed by the CME Director, Program Chair(s) and Section Chairs after which appropriate corrective action is taken.

COURSES (DIRECTORS/FACULTY)

1. The Program Chair(s) select Course Directors.
2. A Disclosure of Conflict of Interest "COI" form is completed by all Course Directors.
3. If a Course Director refuses to disclose all financial relationships, he/she will be disqualified from participating in the program.
4. The CME Director reviews the Course Director disclosure forms. The CME Director completes an Acknowledgement 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(s) and CME Director under the guidance of the Board of Directors if a proposed Course Director can participate in the program.
5. The Course Director(s) select Faculty.
6. The COI forms are completed by all Faculty
7. If a Faculty Member refuses to disclose all financial relationships, he/she will be disqualified from participating in the program.
8. The Course Director(s) and CME Director review the faculty disclosure forms. Course Director(s) complete 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(s), Program Chair(s), 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 posted online, provided to attendees via electronic link, and printed in the final program.
11. At the conference:
 - 11.1. The Course Director(s) are provided with a checklist of Faculty Members who are required to disclose COI. The Course Director(s) are 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.
 - 11.2. 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.

- 11.3. 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.
- 11.4. 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).
- 11.5. Board members are provided with audit forms and asked to verify if Faculty discloses COI.
- 11.6. Attendees complete evaluation forms and are asked to comment about proper COI disclosure. Evaluation forms are reviewed by the CME Director, Program Chair(s) and Course Directors after which appropriate corrective action is taken.

BOARD OF DIRECTORS, MEMBERS, OFFICERS, CANDIDATES FOR OFFICE OR COMMITTEES

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. 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 a Disclosure of Interest Statement.

1. Members of the ASLMS Board of Directors are required to complete the 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.
2. The Disclosure of interests shall include 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.
3. The disclosure shall list "concerns" which include any corporation, association, joint venture, trust, partnership, limited liability entity, firm, institution, governmental body, endeavor, other entity other than the Society or person.
4. In addition to completing the Disclosure of Interest Statement the 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.
5. The discloser acknowledges that as a director, officer, candidate for office or committee member of the American Society for Laser Medicine and Surgery, Inc., he/she occupies or seeks a position of trust with a fiduciary duty to act at all times in good faith and with loyalty to the Society.
6. The discloser further acknowledges having received, read and understood the Society's Disclosure of Interest Policy, and that he/she agrees to comply with it.
7. The discloser certifies that, all of the interests as defined in the Policy have been disclosed to the best of his/her knowledge.
8. The Secretary of the Society is charged with the responsibility to monitor potential conflict of interest and bring it to the attention of the Board.
9. All Board Members are expected to verbally disclose conflicts of interest with any pertinent item on the agenda and recuse themselves from discussion and voting, including additional topics that may arise.

Approved by the Board of Directors, September 29, 2017

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.

ePosters

EPOSTER VIEWING STATIONS

Approximately 20 viewing stations will be located in the Exhibit Hall. Attendees will be able to search and view ePosters by author, title, or topic category. No hard copy posters will be on display. There will be ample time during the lunch hours and breaks for viewing. A maximum of four CME credits will be offered for viewing the ePosters.

Following the conference, ePosters will be published on the ASLMS website for the remainder of the calendar year and accessible for ASLMS member viewing.

EPOSTER TOWN HALL SESSIONS

Special CME sessions in which the top-ranked ePosters will be presented live in the Exhibit Hall, followed by an opportunity for audience Q&A.

Continuing Education Credits (CME/CE)

A statement of CME credit hours will be issued to you 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. The deadline for submitting CME/CE documentation for the ASLMS 2018 Annual Conference is May 15, 2018.

CME Provider Expectations

ACCME ACCREDITATION

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

The ASLMS offers a variety of CME educational activities and strives to maintain quality programming with ACCME compliance.

ACCREDITATION CRITERIA

The ASLMS follows the guidelines set forth within the following documents:

- » ACCME Accreditation Criteria
- » ACCME Standards for Commercial Support
- » ACCME Policies
- » The AMA Physicians Recognition Award (PRA) and Credit System: Information for accredited providers and physicians (2017)

AMA PRA CATEGORY 1 CREDITS™

As an ACCME Accredited Provider, the ASLMS offers CME in the form of *AMA PRA Category 1 Credit(s)™*. Per the AMA, to certify educational activities for *AMA PRA Category 1 Credit™*, the sponsoring organization must:

- » Be accredited by either the Accreditation Council for Continuing Medical Education (ACCME) or a recognized state medical society (SMS).
- » Meet all requirements of both the AMA and their accreditor (ACCME or SMS).

MAINTENANCE OF CME RECORD OF ATTENDANCE

In compliance with ACCME and AMA criteria, the ASLMS maintains activity registration rosters, assessments, and CME Record and Critique Evaluations as submitted by participating physicians for a total of 6 years. The ASLMS is required to file CME information with the ACCME within the same year as the CME activity.

CME DOCUMENTATION

The ASLMS requires completion of a Pre-Test, Post-Test (or alternative assessment if available) and CME Record & Critique Evaluation for EACH registered course (including conference workshops, breakfasts or luncheons). For the Annual Conference program, a separate CME Record & Critique Evaluation with documented daily attendance hours, commensurate to the participating physician's participation, is required.

DEADLINES FOR CME DOCUMENTATION

If the physician participant wishes to receive a CME credit acknowledgement letter, all required documents must be submitted **within 30 days of the activity end-date**. The ASLMS will make specific deadlines available to participants prior to, during, and following the activity via varied formats (online, email, mobile app, printed program or mailer).

Expectations for Physician Attendees of ASLMS CME Activities

SUBMIT CME DOCUMENTATION IN A TIMELY MANNER (DEADLINE)

- » To ensure accuracy of records, physician attendees must submit required CME documentation (including but not limited to pre-test, post-test (or alternative assessment) and CME Record and Critique Evaluation) to the accredited CME provider (ASLMS) per the following deadline and guidelines:
 - » Physician participants must submit all required CME documentation **within 30 days of the activity end date**. Specific deadlines will be made available to participants prior to, during, and following the activity via varied formats (website, email, mobile app, printed program or mailer).
 - » Exceptions for documentation submitted beyond the 30-day deadline may be considered within 6 months from the end-date of the activity, but only for reasons beyond the participant's control (extended illness, natural disaster, etc.) Participants must submit a formal request for deadline exception and provide detailed explanation of the reason for their request. Formal requests will be submitted to the CME Director for review.
 - » **CME documentation submitted beyond 6 months from the end-date of the activity will NOT be accepted.**

CLAIM ACCURATE CME CREDIT HOURS

- » In accordance with the ACCME and AMA, physicians should claim only the credit commensurate with the extent of their participation in the activity.
- » When claiming CME credit hours, physician attendees should claim time of attendance to the nearest quarter (.25) hour. Up to 1 *AMA PRA Category 1 Credit™* of CME is allowed per each 60 minutes of instruction (breaks are not included).

Approved by the ASLMS Board of Directors - December 18, 2017

Access to Mobile App and CME/CE Evaluations

DOWNLOAD THE ASLMS MOBILE APP

Look for the updated ASLMS app in the App Store or on Google Play. Search for **ASLMS**.



For PC, Laptop, Blackberry or Windows phone, go to <https://aslms.gatherdigital.com/> to access the mobile web version.

WIFI INFORMATION

Name: aslms2018 | **Password:** aslms2018

LOG-IN AND PASSWORD

Registered Attendees

Log-in is required to view personal course content, submit CME documents, and interact within the app.

You may start your login two different ways:

1. Launch the app and select **Login** in the upper right corner
2. OR - Launch the app, select **ASLMS 2018**, go to the **Menu** (≡) in the upper left, and select **Login**

Email: you must enter the email address used for your conference registration

Password: aslms2018 (case sensitive)

Don't forget to verify your phone settings to allow push notifications!

GENERAL VIEWING

NEW! Log-in is not required to view basic conference information. Simply launch the app and select **ASLMS 2018**. Note: You must be logged to view personal content and use interactive features.

Please see the Conference Guide for full CME/CE submission details.

EDUCATIONAL ACTIVITIES (MUST PRE-REGISTER)	CME CREDIT HOURS*	CE CONTACT HOURS**
PRE-CONFERENCE COURSES		
Fundamentals of Lasers in Health Care	3.75	4.2
Expert Treatment Approaches	3.75	4.2
Pediatric Laser Focus	2.0	2.2
Nursing/Allied Health	NA	7.8
Resurfacing, Rejuvenation and Recontouring	2.0	2.2
Optimizing Results: Combining Injectables / Topicals with Lasers and Energy-Based Devices	2.0	2.2
Early and Late Intervention for Scarring	2.0	2.2
Laser Learning Lab: Opportunities for Hands-On Laser Use through Case Study Analyses - Session #1	1.75	1.9
Laser Learning Lab: Opportunities for Hands-On Laser Use through Case Study Analyses - Session #2	1.75	1.9
LUNCHEONS		
Cutaneous Medical Applications for Lasers	1.0	1.0
Fully Ablative and Fractional Resurfacing	1.0	1.0
Laser-Assisted Drug Delivery	1.0	1.0
Neck Rejuvenation	1.0	1.0
Our Favorite Laser Pearls	1.0	1.0
BREAKFASTS		
Device-Assisted Hair Restoration and Removal	1.0	1.0
New Treatments for Tackling Scars	1.0	1.0
Optimizing Patient Experience	1.0	1.0
State-of-the-Art in Tattoo Treatment	1.0	1.0
Treatments for Vascular Lesions	1.0	1.0
WORKSHOPS		
Complications, Legal Issues and Laser Safety	2.0	2.2
Hanging Your Shingle: Practice Management Tips	2.0	2.2
Laser Treatments for Skin of Color	2.0	2.2
Scientific Basis of Devices on Women's Genitourinary Health	2.0	2.2
Treatments and Imaging for Skin Cancer	2.0	2.2
Basic Mechanisms of Photobiomodulation	2.0	2.2
Devices in Women's Genitourinary Health: Clinical Research and Current Trials	2.0	2.2
Laser and Energy-Based Treatment for Leg Veins	2.0	2.2
Laser Safety in the Practice Environment	2.0	2.2
Non-Invasive Body Contouring	2.0	2.2
Periorbital Therapies and Rejuvenation	2.0	2.2

*AMA PRA Category 1 Credit™ hours are calculated by the quarter-hour (.25) increment and does not include break time.

**In compliance with the Professional Medical Education Association which is accredited with the California Board of Registered Nursing, Provider # CEP 12386, CE credit hours are calculated as 1 credit hour per 50 minutes of instruction. For CE, credit sessions must be at least 60 minutes in length. No partial credit will be awarded.

MOC Credit These educational programs contain a Pre-test and Post-test to assess understanding of the material presented. The programs above may be claimed as a Maintenance of Certification (MOC) activity by individuals who attend the sessions and who complete the self-assessment (pre-test and post-test) and evaluation forms. Please consult your specialty Board for specific information and requirements.

Conference Only CME Calculations

FRIDAY, APRIL 13	HOURS	BREAK	CME - QUARTER-HOUR (.25) INCREMENTS
Basic Science and Translational Research	9:30 AM - 10:20 AM		0.75
Clinical Applications - Cutaneous	9:30 AM - 10:20 AM		0.75
Plenary Session	10:30 AM - 12:00 PM		1.50
ePoster Town Hall	12:15 PM - 1:15 PM		1.00
Clinical Applications - Multi-Specialty	1:30 PM - 2:45 PM		1.25
Basic Science and Translational Research	1:30 PM - 5:30 PM	45 min	3.25
Clinical Applications - Cutaneous	1:30 PM - 5:30 PM	45 min	3.25
Clinical Applications - Gynecologic / Women's Health	1:30 PM - 5:30 PM	45 min	3.25
Maximum Credits Available for Friday			6.50

SATURDAY, APRIL 14	HOURS	BREAK	CME - QUARTER-HOUR (.25) INCREMENTS
Magic Wand: Lab to the Clinic Problem Solving	9:30 AM - 10:30 AM		1.00
Cutting Edge: Laser and Skin	10:30 AM - 12:00 PM		1.50
ePoster Town Hall	12:15 PM - 1:15 PM		1.00
Clinical Applications - Multi-Specialty	1:30 PM - 2:45 PM		1.25
Early Career Clinical Pearls	1:30 PM - 5:30 PM	45 min	3.25
Basic Science & Translational Research	1:30 PM - 5:30 PM	45 min	3.25
Clinical Applications - Cutaneous	1:30 PM - 5:30 PM	45 min	3.25
Clinical Applications - Gynecologic / Women's Health	1:30 PM - 5:30 PM	45 min	3.25
Maximum Credits Available for Saturday			6.75

SUNDAY, APRIL 15	HOURS	BREAK	CME - QUARTER-HOUR (.25) INCREMENTS
Basic Science and Translational Research	8:00 AM - 10:00 AM		2.00
Early Career Clinical and Scientific	8:00 AM - 10:00 AM		2.00
Clinical Applications - Cutaneous	8:30 AM - 10:00 AM		1.50
Experts Video Session / Conference Highlights	10:00 AM - 11:30 AM		1.50
Maximum Credits Available for Sunday			3.50

ELECTRONIC POSTER VIEWING / EPOSTERS (TOTAL BREAK TIME FROM ALL DAYS)	
Maximum Credits Available for ePoster Viewing	4.00

Maximum Credits Available for 2018 Conference	20.75
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ASLMS 2019

March 27-31, 2019 | Denver, Colorado
 Hyatt Regency Denver
 Colorado Convention Center



Eric F. Bernstein, MD, MSE
 2018/19 ASLMS President



Henry H.L. Chan, MD, PhD
 ASLMS 2019 Co-Chair



Dieter Manstein, MD, PhD
 ASLMS 2019 Co-Chair



Girish S. Munavalli, MD
 ASLMS 2019 Co-Chair

ASLMS 2020

April 29 - May 3, 2020 | Phoenix, Arizona
 Hyatt Regency Phoenix | Sheraton Grand Phoenix
 Phoenix Convention Center



Dieter Manstein, MD, PhD
 2019/20 ASLMS President



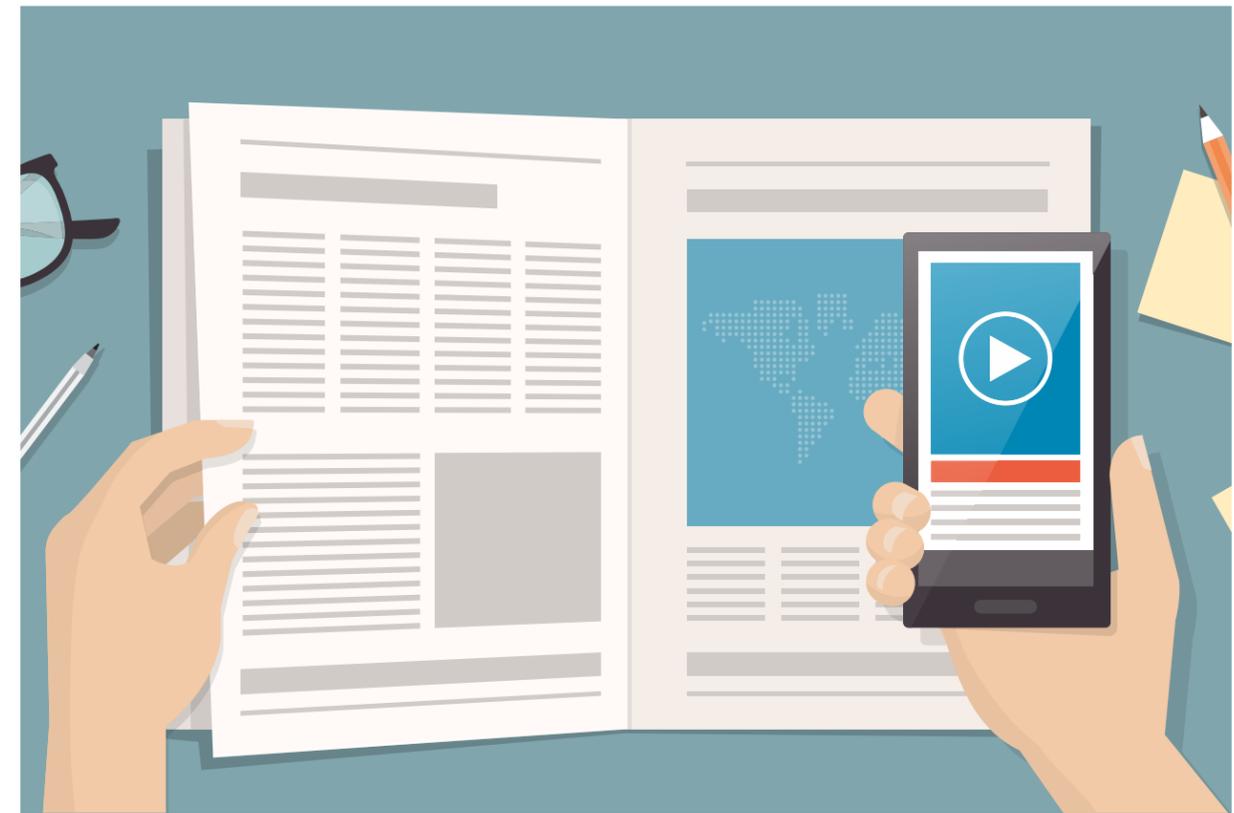
Molly Wanner, MD, MBA
 ASLMS 2020 Co-Chair



Hans-Joachim Laubach, MD
 ASLMS 2020 Co-Chair

Save the dates!

LOOKING FOR MORE CONFERENCE INFORMATION?



Don't forget **EXPLORE:CONNECT**, our Annual Conference non-CME guide, a companion piece to the Conference Educational Program. This guide goes beyond our educational offerings to provide other important information you need to know to fully experience the conference.

You will find complete information on exhibitors, the exhibit hall map, and other activities taking place in the exhibit hall during the conference, plus details on our speakers and award recipients.

This publication will be an invaluable source of information for you throughout the conference as well as an important takeaway for future reference.

Also, make sure you download the ASLMS mobile app. Complete instructions are in **EXPLORE:CONNECT**.

THANK YOU!

We look forward to seeing you again at ASLMS
2019 in Denver, Colorado.

Upcoming Events

2018 LASER AESTHETIC COURSE

November 10-11, 2018 | Irvine, California
Beckman Laser Institute

ASLMS 2019

March 27-31, 2019 | Denver, Colorado
Hyatt Regency Denver & Colorado Convention Center

ASLMS 2020

April 29 - May 3, 2020 | Phoenix, Arizona
Hyatt Regency Phoenix/Sheraton Grand Phoenix & Phoenix Convention Center



aslms.org

ASLMS, Inc.

2100 Stewart Avenue
Suite 240

Wausau, WI 54401

phone: (715) 845-9283

fax: (715) 848-2493

email: information@aslms.org



#ASLMS2018

