

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

Colorado Convention Center
Denver, Colorado

Pre-Conference
MAR 27-28, 2019

Conference
MAR 29-31, 2019

Exhibits
MAR 29-30, 2019

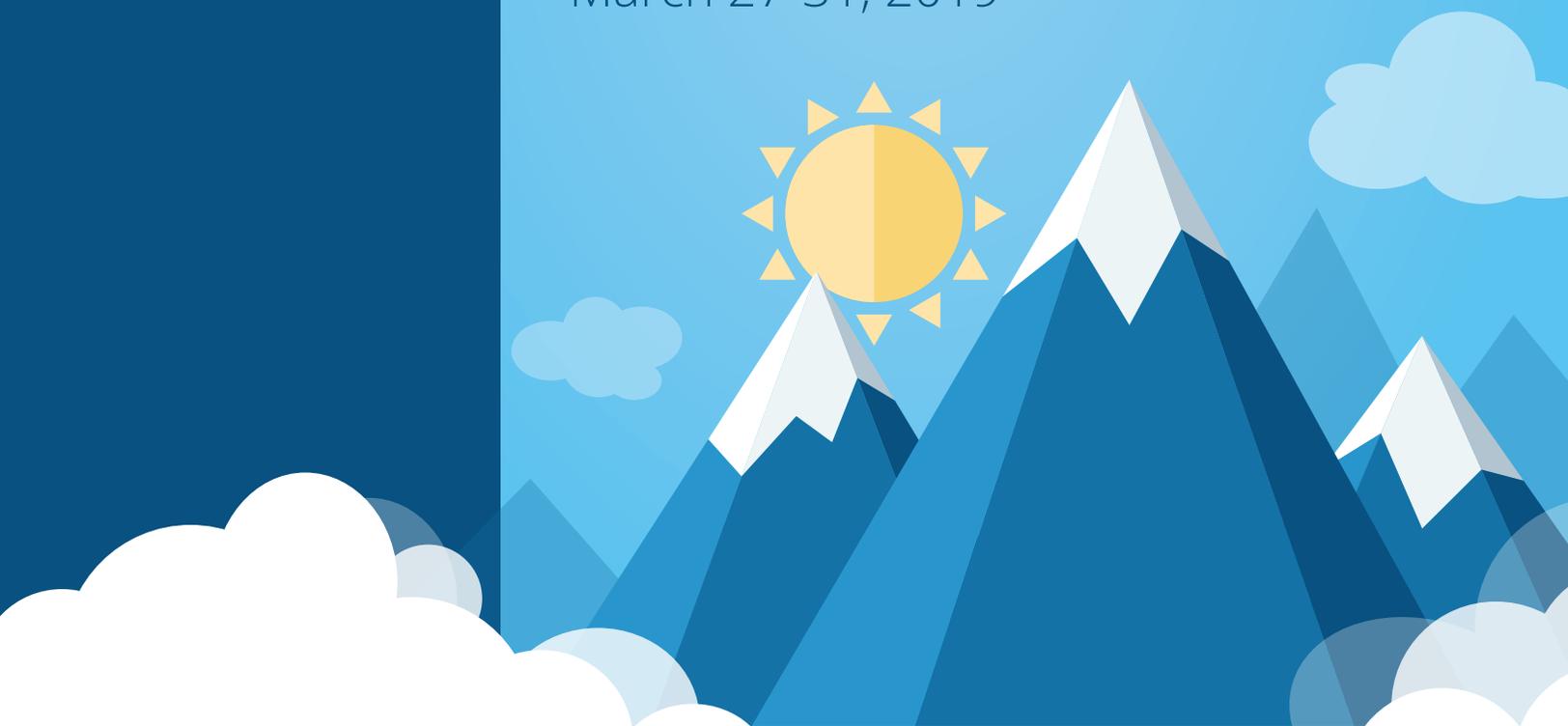
aslms.org
#ASLMS2019

ASLMS 2019 CONFERENCE PROGRAM

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

ASLMS 2019 DENVER

39th ASLMS Annual Conference on
ENERGY-BASED MEDICINE & SCIENCE
March 27-31, 2019



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- » **NEW** RF Devices: What's the Buzz All About? 11
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- » **NEW** Introduction to Energy-Based Applications for Genitourinary Syndrome of Menopause (GSM) 12
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- » Basic Mechanisms of Photobiomodulation 18
- » Devices in Women's Genitourinary Health: Scientific Fundamentals 18
- » Hanging Your Shingle: Practice Management Tips 18
- » **NEW** Non-CME How I Treat This: A Discussion of Challenging Cases in Pigment, Hair and Vascular Lesions 19
- » **NEW** Skin of Color: Exploring Device and Treatment Options 19
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- » Laser and Energy-Based Treatments for Leg Veins 26
- » Laser Safety in the Practice Environment 26
- » Neck Rejuvenation 27
- » **NEW** Skin of Color: Managing Complications 27
- » **NEW** Non-CME Using Photobiomodulation in Diverse Clinical Applications 27
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Looking for More Conference Information?

Don't forget **EXPLORE:CONNECT**, our Annual Conference 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 events, 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.



ASLMS 2019 DENVER

39th ASLMS Annual Conference on ENERGY-BASED MEDICINE & SCIENCE
March 27-31, 2019

EXHIBIT HALL

See the newest products and services, discover and compare cutting-edge technologies, acquire the latest information and new solutions and attend special learning opportunities, all in one place.
SEE PAGE 44

EVENING EVENTS

Relax and connect with the ASLMS community.
SEE PAGE 15

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



● LOBBY A

ATTENDEE REGISTRATION

- » Wednesday, March 27 | 7:00 AM - 5:30 PM
- » Thursday, March 28 | 6:00 AM - 6:00 PM
- » Friday, March 29 | 6:00 AM - 7:30 PM
- » Saturday, March 30 | 6:00 AM - 7:00 PM
- » Sunday, March 31 | 7:00 AM - 11:30 AM

EXHIBITOR REGISTRATION

- » Wednesday, March 27 | 7:00 AM - 5:30 PM
- » Thursday, March 28 | 6:00 AM - 6:00 PM
- » Friday, March 29 | 6:00 AM - 7:30 PM
- » Saturday, March 30 | 6:00 AM - 7:00 PM

SELF-SERVE CME STATION

HEADSHOT LOUNGE

- » Saturday, March 30 | 9:00 AM - 5:00 PM

● EXHIBIT HALL A (UL)

EXHIBIT HALL BREAKS

- » Friday, March 29 | 9:00 AM - 9:30 AM & 1:45 PM - 2:30 PM
- » Saturday, March 30 | 9:00 AM - 9:30 AM & 2:45 PM - 3:30 PM

EXHIBITS & ePOSTERS

- » Friday, March 29 | 9:00 AM - 4:45 PM
- » Saturday, March 30 | 9:00 AM - 7:00 PM

ePOSTER TOWN HALL

- » Friday, March 29 | 11:15 AM - 12:15 PM
- » Saturday, March 30 | 12:15 PM - 1:15 PM

NEW FREE ATTENDEE LUNCH

- » Friday, March 29 | 11:00 AM - 12:30 PM

CASH LUNCH

- » Saturday, March 30 | 12:00 PM - 1:30 PM

ASK ME ANYTHING

- » Friday, March 29 | 2:00 PM - 2:20 PM
Arielle N.B. Kauvar, MD; Brian D. Zelickson, MD
- » Saturday, March 30 | 3:00 PM - 3:20 PM
Roy G. Geronemus, MD; Suzanne L. Kilmer, MD

SILENT AUCTION

- » Friday, March 29 | 9:00 AM - 4:45 PM
- » Saturday, March 30 | 9:00 AM - 6:30 PM

NEW EXHIBIT HALL SOCIAL & LIVE AUCTION

- » Saturday, March 30 | 5:30 PM - 7:00 PM

● CHARGING STATIONS

● FOUR SEASONS BALLROOM (LL)

NEW SKIN OF COLOR: EXPLORING DEVICE AND TREATMENT OPTIONS

- Friday, March 29 | 7:00 AM - 9:00 AM

PLENARY SESSION

- » Friday, March 29 | 9:30 AM - 11:00 AM

ASLMS BUSINESS MEETING (MEMBERS ONLY)

- » Friday, March 29 | 11:00 AM - 11:30 AM

CLINICAL APPLICATIONS - CUTANEOUS ABSTRACT SESSIONS

- » Friday, March 29 | 12:30 PM - 1:45 PM & 2:30 PM - 4:45 PM
- » Saturday, March 30 | 1:30 PM - 2:45 PM & 3:30 PM - 5:30 PM
- » Sunday, March 31 | 8:00 AM - 10:00 AM

TECH CONNECT

- » Friday, March 29 | 5:30 PM - 7:30 PM

NEW SKIN OF COLOR: MANAGING COMPLICATIONS

- » Saturday, March 30 | 7:00 AM - 9:00 AM

MAGIC WAND: LAB TO CLINIC PROBLEM SOLVING

- » Saturday, March 30 | 9:30 AM - 10:30 AM

CUTTING EDGE: LASER AND SKIN

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

EXTENDED TIME NON-CME EXPERTS VIDEO SESSION

- » Sunday, March 31 | 10:00 AM - 12:00 PM

● FOUR SEASONS BALLROOM FOYER

WELCOME RECEPTION AND EARLY CAREER NETWORKING

- » Friday, March 29 | 4:45 PM - 5:30 PM

SELF-SERVE CME STATION

● MEETING ROOMS 100's, 200's, 300's & 400's

WORKSHOPS, COURSES & SESSIONS

● ROOM 301

ESLD SPECIAL MEETING

- » Friday, March 29 | 11:30 AM - 12:30 PM

● ROOM 402

CELEBRATION OF WOMEN IN ENERGY-BASED DEVICES

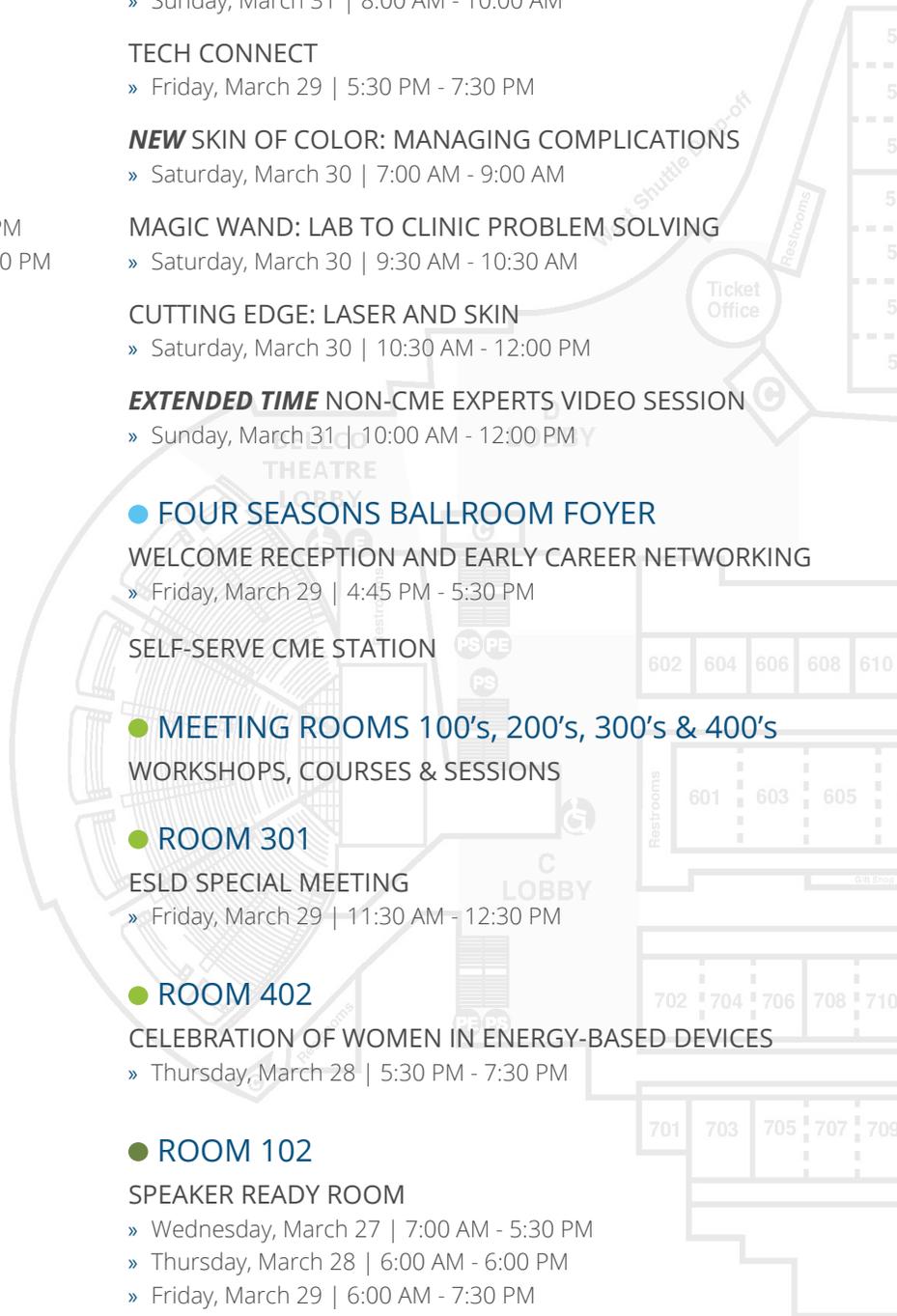
- » Thursday, March 28 | 5:30 PM - 7:30 PM

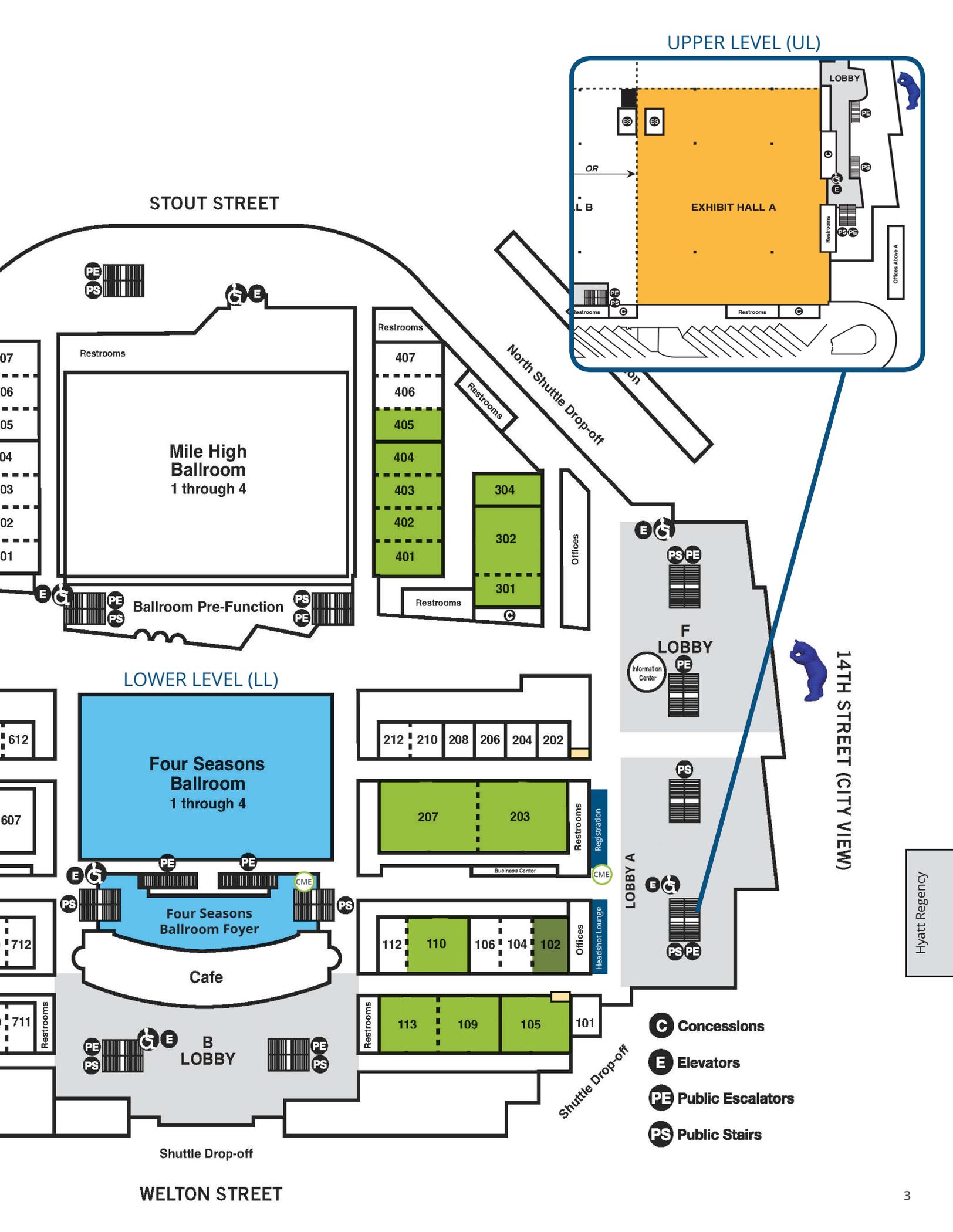
● ROOM 102

SPEAKER READY ROOM

- » Wednesday, March 27 | 7:00 AM - 5:30 PM
- » Thursday, March 28 | 6:00 AM - 6:00 PM
- » Friday, March 29 | 6:00 AM - 7:30 PM
- » Saturday, March 30 | 6:00 AM - 5:30 PM
- » Sunday, March 31 | 7:00 AM - 11:30 AM

SPEER BOULEVARD (MOUNTAIN VIEW)





- C** Concessions
- E** Elevators
- PE** Public Escalators
- PS** Public Stairs

WEDNESDAY, MARCH 27, 2019			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration/Exhibitor Registration		7:00 AM - 5:30 PM	Lobby A
Speaker Ready Room		7:00 AM - 5:30 PM	102
Exhibit Hall		CLOSED	Exhibit Hall A
\$ COURSE			
Fundamentals of Lasers for Dermatological Application <i>(full-day, continental breakfast and break refreshments provided)</i>	Keyvan Nouri, MD; Brooke C. Sikora, MD	8:00 AM - 5:30 PM	105
THURSDAY, MARCH 28, 2019			
ACTIVITY		TIME	ROOM
Attendee Registration/Exhibitor Registration		6:00 AM - 6:00 PM	Lobby A
Speaker Ready Room		6:00 AM - 6:00 PM	102
Continental Breakfast <i>(complimentary)</i>		6:30 AM - 8:00 AM	Lobby A
Exhibit Hall		CLOSED	Exhibit Hall A
SPECIAL MEETING			
ANSI Safety Meeting <i>(all invited)</i>		7:00 AM - 7:45 AM	105
\$ AM KNOWLEDGE POWER HOUR SESSIONS <i>(breakfast served outside the session rooms)</i>			
NEW How Do I Set Up My Office? EMR, Injectables, Devices...HELP!	Arielle N.B. Kauvar, MD	7:00 AM - 8:00 AM	401
Enhancing Patient Experience	Elizabeth K. Hale, MD; Julie K. Karen, MD	7:00 AM - 8:00 AM	402
NEW RF Devices: What's the Buzz All About?	Nazanin Saedi, MD	7:00 AM - 8:00 AM	403
Treatment of Vascular Lesions	Emil A. Tanghetti, MD	7:00 AM - 8:00 AM	404
NEW Non-CME Optimizing Patient Outcomes: Laser Modality Selection and Clinical Endpoints	Gerald N. Goldberg, MD	7:00 AM - 8:00 AM	405
\$ FULL-DAY & MORNING COURSES			
Nursing/Allied Health <i>(full-day, includes Laser Learning Lab Roundtable)</i>	John E. Hoopman, CMLSO; Rebecca L. Sprague, RN, NP-C	8:00 AM - 5:30 PM	113
NEW Introduction to Energy-Based Applications for Genitourinary Syndrome of Menopause (GSM) <i>(full-day)</i>	Cheryl B. Iglesia, MD ; Yona Tadir, MD	8:00 AM - 5:30 PM	109
Non-CME Expert Treatment Approaches	Gary P. Lask, MD; Brian D. Zelickson, MD	8:00 AM - 12:00 PM	302
Non-CME Resurfacing and Rejuvenation	Jeffrey S. Dover, MD, FRCPC; Roy G. Geronemus, MD	8:00 AM - 12:00 PM	105
Lunch Break <i>(cash lunch available)</i>		12:00 PM - 1:30 PM	
\$ PM KNOWLEDGE POWER HOUR SESSIONS			
Cutaneous Medical Applications for Energy-Based Devices	David J. Goldberg, MD, JD	12:15 PM - 1:15 PM	401
NEW Integrating Topicals into Your Laser/Energy-Based Device Practice	Jared R. Jagdeo, MD, MS	12:15 PM - 1:15 PM	402
Laser-Assisted Drug Delivery	Merete Haedersdal, MD, PhD, DMSc	12:15 PM - 1:15 PM	403
Non-CME Our Favorite Laser Pearls	Jeremy B. Green, MD Amy F. Taub, MD	12:15 PM - 1:15 PM	404
NEW Special FDA Session: Historical Glance and Approval Process Overview	Dieter Manstein, MD, PhD	12:15 PM - 1:15 PM	405
\$ HANDS-ON COURSES			
NEW Resident/Fellow Laser Learning Lab Roundtable	Kristen M. Kelly, MD; Yakir Levin, MD, PhD	10:00 AM - 11:45 AM	203
Laser Learning Lab: Session #1A <i>(limited seating)</i>	Ashish C. Bhatia, MD, FAAD; Kelly J. Stankiewicz, MD, FAAD	12:15 PM - 2:45 PM	203
Laser Learning Lab: Session #2A <i>(limited seating)</i>	Paul M. Friedman, MD; Omer Ibrahim, MD	12:15 PM - 2:45 PM	207
NEW Laser Learning Lab: Session #1B <i>(limited seating; same content as session #1A)</i>	Ashish C. Bhatia, MD, FAAD; Kelly J. Stankiewicz, MD, FAAD	3:00 PM - 5:30 PM	203
NEW Laser Learning Lab: Session #2B <i>(limited seating; same content as session #2A)</i>	Paul M. Friedman, MD; Omer Ibrahim, MD	3:00 PM - 5:30 PM	207
\$ AFTERNOON COURSES			
Early and Late Intervention for Scarring	Chad M. Hivnor, MD; Matteo Tretti Clementoni, MD	1:30 PM - 3:30 PM	105
Optimizing Outcomes: Treatments and Techniques for Combining Injectables with Lasers and Energy-Based Devices	Brian S. Biesman, MD; Joel L. Cohen, MD, FAAD, FACMS	1:30 PM - 5:30 PM	302
NEW Tattoo and Pigment: Treatments and Device Pros/Cons	Eric F. Bernstein, MD, MSE; E. Victor Ross, MD	3:30 PM - 5:30 PM	105
FEATURE EVENING EVENT <i>(non-CME)</i>			
Celebration of ASLMS Women in Energy-Based Devices <i>(all invited, complimentary light hors d'oeuvres and non-alcoholic beverages, drink tickets for bar)</i>	Arisa E. Ortiz, MD and WEBD Committee	5:30 PM - 7:30 PM	402

FRIDAY, MARCH 29, 2019			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration/Exhibitor Registration		6:00 AM - 7:30 PM	Lobby A
Speaker Ready Room		6:00 AM - 7:30 PM	102
Continental Breakfast (<i>complimentary</i>)		6:30 AM - 8:00 AM	Lobby A
Exhibit Hall/Silent Auction (<i>bidding open</i>)		9:00 AM - 4:45 PM	Exhibit Hall A
MORNING WORKSHOPS			
NEW Non-CME Avoiding Complications of Injectables and Energy-Based Devices	Jason K. Rivers, MD, FRCPC, FAAD; Deanne Mraz Robinson, MD	7:00 AM - 9:00 AM	110
Basic Mechanisms of Photobiomodulation	Raymond J. Lanzafame, MD, MBA, FACS	7:00 AM - 9:00 AM	301
Hanging Your Shingle: Practice Management Tips	Tina S. Alster, MD; George J. Hruza, MD, MBA	7:00 AM - 9:00 AM	113
NEW Non-CME How I Treat This: A Discussion of Challenging Cases in Pigment, Hair and Vascular Lesions	Mark B. Taylor, MD; Jill S. Waibel, MD	7:00 AM - 9:00 AM	207
Devices in Women's Genitourinary Health: Scientific Fundamentals	Susan G. Murrmann, MD; Kevin Stepp, MD	7:00 AM - 9:00 AM	203
NEW Skin of Color: Exploring Device and Treatment Options	Henry H.L. Chan, MD, PhD, FRCP; Girish S. Munavalli, MD, MHS, FACMS	7:00 AM - 9:00 AM	Four Seasons Ballroom 4
Non-CME Treatments and Imaging for Skin Cancer	Boncheol L. Goo, MD, MSc; Anthony M. Rossi, MD, FAAD	7:00 AM - 9:00 AM	109
Morning Break - View ePosters/Visit Exhibits		9:00 AM - 9:30 AM	Exhibit Hall A
PLENARY SESSION & ASLMS MEMBERS BUSINESS MEETING			
Welcome and Introduction/Keynote Speaker/Presidential Address and Citations/Honorary and Abstract Session Awards	Eric F. Bernstein, MD, MSE; 2019 Program Chairs; Keynote Scott Parazyński	9:30 AM - 11:00 AM	Four Seasons Ballroom 4
ASLMS Business Meeting (all ASLMS members invited)		11:00 AM - 11:30 AM	Four Seasons Ballroom 4
Lunch Break - View ePosters/Visit Exhibits (<i>free attendee lunch in Exhibit Hall</i>)		11:00 AM - 12:30 PM	Exhibit Hall A
SPECIAL SESSION (CME)			
ePoster Town Hall	Martin Purschke, PhD; Douglas Wu, MD, PhD	11:15 AM - 12:15 PM	Exhibit Hall A
SPECIAL SESSION (Non-CME)			
ESLD Special Meeting	Hans-Joachim Laubach, MD; Albert Wolkerstorfer, MD, PhD	11:30 AM - 12:30 PM	301
AFTERNOON ABSTRACT SESSIONS - 12:30 PM - 4:45 PM - (<i>For a schedule of talk times and CME credit info see the ASLMS mobile app or online at aslms.org</i>)			
Basic Science and Translational Research	Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD		109
Non-CME Basic Science and Translational Research	Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD		109
Clinical Applications - Cutaneous	Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP		Four Seasons Ballroom 4
Non-CME Clinical Applications - Cutaneous	Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP		Four Seasons Ballroom 4
Clinical Applications - Gynecologic/Women's Health	G.W. Davila, MD, FACOG; Nathan L. Guerette, MD, FPMRS, FACOG		110
Non-CME Clinical Applications - Gynecologic/Women's Health	G.W. Davila, MD, FACOG; Nathan L. Guerette, MD, FPMRS, FACOG		110
Clinical Applications - Multi-Specialty	Randal T. Pham, MD; Jason N. Pozner, MD		113
Non-CME Clinical Applications - Multi-Specialty	Randal T. Pham, MD; Jason N. Pozner, MD		113
Afternoon Break - View ePosters/Visit Exhibits		1:45 PM - 2:30 PM	Exhibit Hall A
FEATURE EVENT (non-CME)			
Ask Me Anything	Arielle N.B. Kauvar, MD; Brian D. Zelickson, MD	2:00 PM - 2:20 PM	Exhibit Hall A
FEATURE EVENING EVENT (non-CME)			
NEW Welcome Reception and Early Career Networking (<i>all invited, complimentary light hors d'oeuvres and non-alcoholic beverages, drink tickets for bar</i>)		4:45 PM - 5:30 PM	Four Seasons Ballroom Foyer
Tech Connect	Henry H.L. Chan, MD, PhD, FRCP; Girish S. Munavalli, MD, MHS, FACMS; Dieter Manstein, MD, PhD	5:30 PM - 7:30 PM	Four Seasons Ballroom 4

SATURDAY, MARCH 30, 2019			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration/Exhibitor Registration		6:00 AM - 7:00 PM	Lobby A
Speaker Ready Room		6:00 AM - 5:30 PM	102
Continental Breakfast (<i>complimentary</i>)		6:30 AM - 8:00 AM	Lobby A
Silent Auction (<i>bidding closes at 6:30 PM</i>)		9:00 AM - 6:30 PM	Exhibit Hall A
Exhibit Hall		9:00 AM - 7:00 PM	Exhibit Hall A
MORNING WORKSHOPS			
Devices in Women's Genitourinary Health: Clinical Research and Current Trials	Macrene R. Alexiades, MD, PhD; Adrian Gaspar, MD	7:00 AM - 9:00 AM	203
Laser and Energy-Based Treatments for Leg Veins	Daniel P. Friedmann, MD; Robert A. Weiss, MD, FAAD	7:00 AM - 9:00 AM	105
Laser Safety in the Practice Environment	Patricia A. Owens, RN, MHA, CMLSO, CNOR; Molly Wanner, MD MBA;	7:00 AM - 9:00 AM	301
Neck Rejuvenation	Elizabeth L. Tanzi, MD, FAAD	7:00 AM - 9:00 AM	109
Non-CME Full Spectrum of Body Contouring	A. Jay Burns, MD; Suzanne L. Kilmer, MD	7:00 AM - 9:00 AM	207
NEW Skin of Color: Managing Complications	Jeremy A. Brauer, MD; Omar A. Ibrahim, MD, PhD	7:00 AM - 9:00 AM	Four Seasons Ballroom 4
NEW Non-CME Using Photobiomodulation in Diverse Clinical Applications	G. David Baxter, TD, DPhil, MBA; David H. McDaniel, MD	7:00 AM - 9:00 AM	113
Morning Break - View ePosters/Visit Exhibit Hall		9:00 AM - 9:30 AM	Exhibit Hall A
SPECIAL SESSIONS (CME)			
Magic Wand: Lab to Clinic Problem Solving	R. Rox Anderson, MD; Lilit Garibyan, MD, PhD	9:30 AM - 10:30 AM	Four Seasons Ballroom 4
Cutting Edge: Laser and Skin	Mathew M. Avram, MD, JD; J. Stuart Nelson, MD, PhD	10:30 AM - 12:00 PM	Four Seasons Ballroom 4
Lunch Break - View ePosters/Visit Exhibits (<i>cash lunch in exhibit hall</i>)		12:00 PM - 1:30 PM	Exhibit Hall A
SPECIAL SESSIONS (CME)			
ePoster Town Hall	Douglas Wu, MD, PhD; Martin Purschke, PhD	12:15 PM - 1:15 PM	Exhibit Hall A
Early Career Clinical Pearls	Murad Alam, MD, MSCI, MBA; Arisa E. Ortiz, MD	1:30 PM - 5:30 PM	105
AFTERNOON ABSTRACT SESSIONS - 1:30 PM - 5:30 PM (<i>For a schedule of talk times and CME credit info see the ASLMS mobile app or online at aslms.org</i>)			
Basic Science and Translational Research	Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD		109
Non-CME Basic Science and Translational Research	Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD		109
Clinical Applications - Cutaneous	Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP		Four Seasons Ballroom 4
Non-CME Clinical Applications - Cutaneous	Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP		Four Seasons Ballroom 4
Clinical Applications - Gynecologic/Women's Health	G.W. Davila, MD, FACOG; Nathan L. Guerette, MD, FPMRS, FACOG		110
Non-CME Clinical Applications - Gynecologic/Women's Health	G.W. Davila, MD, FACOG; Nathan L. Guerette, MD, FPMRS, FACOG		110
Clinical Applications - Multi-Specialty	Randal T. Pham, MD; Jason N. Pozner, MD		113
Non-CME Clinical Applications - Multi-Specialty	Randal T. Pham, MD; Jason N. Pozner, MD		113
Afternoon Break - View ePosters/Visit Exhibits		2:45 PM - 3:30 PM	Exhibit Hall A
FEATURE EVENT (non-CME)			
Ask Me Anything	Roy G. Geronemus, MD; Suzanne L. Kilmer, MD	3:00 PM - 3:20 PM	Exhibit Hall A
FEATURE EVENING EVENTS (non-CME)			
Exhibit Hall Social & Silent/Live Auction (<i>all invited, complimentary light hors d'oeuvres and non-alcoholic beverages, drink tickets for bar</i>)		5:30 PM - 7:00 PM	Exhibit Hall A

SUNDAY, MARCH 31, 2019			
ACTIVITY	DIRECTORS/SECTION CHAIRS	TIME	ROOM
Attendee Registration		7:00 AM - 11:30 AM	Lobby A
Speaker Ready Room		7:00 AM - 11:30 AM	102
Continental Breakfast (<i>complimentary</i>)		7:00 AM - 8:00 AM	Lobby A
Exhibitor Registration/Exhibit Hall		CLOSED	Exhibit Hall A
ABSTRACT SESSIONS - 8:00 AM - 10:00 AM (For a schedule of talk times and CME credit info see the ASLMS mobile app or online at aslms.org)			
Basic Science and Translational Research	Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD		109
Non-CME Basic Science and Translational Research	Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD		109
Clinical Applications - Cutaneous	Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP		Four Seasons Ballroom 4
Non-CME Clinical Applications - Cutaneous	Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP		Four Seasons Ballroom 4
Early Career Clinical and Scientific	Sandeep S. Saluja, MD; Yakir Levin, MD, PhD; Thomas E. Rohrer, MD		113
Non-CME Early Career Clinical and Scientific	Sandeep S. Saluja, MD; Yakir Levin, MD, PhD; Thomas E. Rohrer, MD		113
SPECIAL SESSION			
EXTENDED TIME Non-CME Experts Video Session	Gerald N. Goldberg, MD; Payman Kosari, MD	10:00 AM - 12:00 PM	Four Seasons Ballroom 4

AN IMPORTANT NOTICE REGARDING NON-CME CONTENT

Dear Attendees,

The ASLMS has designated certain educational activities as Non-CME. This is due to identified faculty/author financial relationships with ACCME defined commercial interests. Unfortunately, these disclosed conflict of interest (COI) disclosures cannot be "resolved" per ACCME regulations.

While these educational offerings remain part of the ASLMS 2019 Annual Conference program, they have been designated as separate "Non-CME" sessions and content.

Please understand that a "Non-CME" designation does not invalidate the quality education provided to learners. ASLMS applies the same vetting and quality review processes for the content presented in its programming. ASLMS simply needs to comply with ACCME regulations as an accredited CME provider. The "Non-CME" designation allows us to provide quality content to our learners and continue to function as an ACCME-Accredited provider.

Thank you for your understanding and for your support of our educational mission.



Raymond J. Lanzafame, MD, MBA, FACS
ASLMS Director of CME

Session Highlight

Plenary Session

Friday, March 29 | 9:30 AM – 11:00 AM | Four Seasons Ballroom 4



Join current ASLMS President Eric F. Bernstein, MD, MSE for a conference welcome and presidential address, introduction of the Program Chairs, presidential citations and award presentations.

KEYNOTE SPEAKER - SCOTT PARAZYNSKI

Dr. Scott Parazynski is our keynote speaker for ASLMS 2019. Dr. Parazynski is a highly decorated physician, astronaut, and tech CEO, recently inducted into the U.S. Astronaut Hall of Fame. He is a widely sought-after keynote speaker on innovation, risk management, mentorship and leadership under extreme adversity.

In the Exhibit Hall

ePosters

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

ePoster Town Hall

Friday, March 29 | 11:15 AM - 12:15 PM

Saturday, March 30 | 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

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

Friday, March 29 | 2:00 PM - 2:20 PM



Arielle N.B. Kauvar, MD



Brian D. Zelickson, MD

Saturday, March 30 | 3:00 PM - 3:20 PM



Roy G. Geronemus, MD



Suzanne L. Kilmer, MD

Headshot Lounge

Saturday, March 30 | 9:00 AM - 5:00 PM | Lobby A - Near Registration

Receive a free professional headshot! No need to register- just stop by!

New for 2019!

- » Expanded Hours
- » Make-up Artists
- » Quick turnaround on your photos

Thank you to Merz Aesthetics for sponsoring Headshot Lounge.

Evening Events

5th Annual Celebration of ASLMS Women in Energy-Based Devices

Thursday, March 28 | 5:30 PM - 7:30 PM | Room 402

Join us for an evening of networking and inspiration, with a focus on women from all specialties involved in ASLMS, including scientists, clinicians, allied health practitioners and industry partners. For 2019, the Celebration will feature speaker Suzanne L. Kilmer, MD, a panel discussion with audience Q&A, and award presentations, including the new Early Career Development Award to Dana M. Hutchison, MS and the ASLMS Leadership, Mentorship & Public Advocacy for Women in Medical Science award to Merete Haedersdal, MD, PhD, DMSc. Attendees can enjoy complimentary light hors d'oeuvres and non-alcoholic beverages, drink tickets for the bar and networking with peers and luminaries.

Thank you to Solta Medical for sponsoring the event and awards.

Welcome Reception and Early Career Networking

Friday, March 29 | 4:45 PM - 5:30 PM | Four Seasons Ballroom Foyer

All attendees are invited to relax and mingle prior to the Tech Connect session. This is the place for early career participants to network and build relationships with peers and luminaries. Complimentary light hors d'oeuvres and non-alcoholic beverages, and drink ticket for the bar will be available.

Tech Connect

Friday, March 29 | 5:30 PM - 7:30 PM | Four Seasons Ballroom

In this non-CME session experts share their perspectives regarding specific technologies and procedural approaches. Audience participation is encouraged, and lively discussions are guaranteed. Topics for 2019 include: Body Contouring Devices, Vaginal Rejuvenation, Picosecond Devices and Vascular. Complimentary non-alcoholic beverages available. Cash bar.

Thank you to our Welcome Reception/Tech Connect sponsors: Candela, Cartessa Aesthetics, Cutera, Lutronic Global, Pulse Biosciences, Solta Medical, and Thermi, an Almirall Company.

Exhibit Hall Social & Live/Silent Auction

Saturday, March 30 | 5:30 PM - 7:00 PM | Exhibit Hall A

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. Complimentary light hors d'oeuvres and non-alcoholic beverages, drink tickets for the bar will be available.

In addition to the Exhibit Hall Social, ASLMS will host its 14th annual auction to support research grants. New for 2019 is the addition of a live auction plus new electronic bidding for the silent auction via mobile app or kiosk in the Exhibit Hall. Proceeds from both support research. Live Auction will take place from 5:45 PM - 6:15 PM. Silent auction bidding closes at 6:30 PM followed by announcement of the winners.

PRE-CONFERENCE | MARCH 27-28

\$ MUST PURCHASE SEPARATELY | INCLUDES EXHIBIT HALL | DOES NOT INCLUDE CONFERENCE

\$ COURSE

N I

8:00 AM - 5:30 PM
Room 105

Fundamentals of Lasers for Dermatological Application

Continental breakfast and break refreshments provided**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** After this session participants will:

- » Understand the biophysics of lasers and energy based devices and will be prepared to apply this understanding to patient care.
- » Learn how to select the appropriate laser or device in different clinical settings including pigmented lesions, ethnic skin, vascular lesions, hair, scars, skin rejuvenation and body contouring.
- » Understand the safety risks associated with the use of lasers and energy based devices and be capable of using this knowledge to practice safely.
- » Learn through lectures, videos, and open discussions the appropriate endpoints of lasers and devices in the treatment of a wide range of conditions.

Director(s) Keyvan Nouri, MD; Brooke C. Sikora, MD**Faculty** Mathew M. Avram, MD, JD; Eric F. Bernstein, MD, MSE; Henry H.L. Chan, MD, PhD, FRCP; Christine C. Dierickx, MD; Merete Haedersdal, MD, PhD, DMSc; Kristen M. Kelly, MD; Shilpi Khetarpal, MD; Arisa E. Ortiz, MD; Thomas E. Rohrer, MD; Nazanin Saedi, MD; Fernanda H. Sakamoto, MD, PhD; Christopher B. Zachary, MBBS, FRCP

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.

Detailed schedules, disclosures, and CME/CE credit info are available on the ASLMS mobile app or online at aslms.org.

\$ AM KNOWLEDGE POWER HOUR

N I E

7:00 AM - 8:00 AM
Room 402

Enhancing Patient Experience

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 safety and communication checklists into pre-surgical routines along with strategies to improve staff morale, cooperation and harmony.

Director(s) Elizabeth K. Hale, MD; Julie K. Karen, MD

Faculty Chris G. Adigun, MD; Heather D. Rogers, MD

\$ AM KNOWLEDGE POWER HOUR

N I E

7:00 AM - 8:00 AM
Room 401

NEW How Do I Set Up My Office? EMR, Injectables, Devices...HELP!

Participants Dermatologists, plastic surgeons, otolaryngologists, and/or ophthalmologists performing aesthetic procedures.

Background Requirements This session is designed for physicians who are currently using lasers and energy-based devices in their clinical practice and are considering establishing their own practice.

Educational Needs/Expected Learning Objectives After this session, participants will:

- » Learn the fundamentals of office design, staffing needs and EHR options for an aesthetic-based practice.
- » Gain an understanding of how to choose new energy-based technology for their practices and alternatives for financing large capital purchases.
- » Learn how to select injectables for their practice, manage inventory and optimize the use of rewards programs.

Director(s) Arielle N.B. Kauvar, MD

Faculty Jeffrey S. Dover, MD, FRCPC; Jeremy B. Green, MD

\$ AM KNOWLEDGE POWER HOUR

N I E

7:00 AM - 8:00 AM
Room 403

NEW RF Devices: What's the Buzz All About?

Participants Physicians from all specialties and allied health professionals.

Background Requirements No background required.

Educational Needs/Expected Learning Objectives Physicians will learn the MOA and how to safely use these devices to avoid adverse events.

Director(s) Nazanin Saedi, MD

Faculty Macrene R. Alexiades, MD, PhD; Omar A. Ibrahim, MD, PhD

\$ NON- CME AM KNOWLEDGE POWER HOUR

N I E

7:00 AM - 8:00 AM
Room 405

NEW Optimizing Patient Outcomes: Laser Modality Selection and Clinical Endpoints

Participants Any physician, nurse practitioner, physician's assistant or aesthetics provider with significant laser experience.

Background Requirements Participants with knowledge of and experience with lasers will find this session most valuable.

Educational Needs/Expected Learning Objectives This session will provide attendees with a better understanding of patient selection, preparation and the proper management of expectations from treatments. Attendees will be shown a variety of devices to help select the best device for an individual patient problem, along with unique and creative ways to combine a variety of laser and other modalities to optimize patient outcomes especially in challenging clinical problems. This session will also use video and other media to illustrate optimal Laser-tissue interactions and laser tissue endpoints.

Director(s) Gerald N. Goldberg, MD

Faculty Bradley S. Bloom, MD; Mark B. Taylor, MD

**\$ AM
KNOWLEDGE
POWER HOUR****N I E**7:00 AM - 8:00 AM
Room 404**Treatment of Vascular Lesions****Participants** Novice to expert, 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 strong points and the weaknesses of each vascular platform while addressing the most commonly encountered vascular lesions. The session will also discuss methods to optimize outcomes.**Director(s)** Emil A. Tanghetti, MD**Faculty** Eric F. Bernstein, MD, MSE; E. Victor Ross, MD**\$ COURSE****N**8:00 AM - 5:30 PM
Room 109**NEW Introduction to Energy-Based Applications for Genitourinary Syndrome of Menopause (GSM)****Participants** Gynecologists, urogynecologists, physicians with special interest in menopausal medicine, dermatologists, nurse practitioners, and plastic surgeons.**Background Requirements** Previous experience in the use of laser.**Educational Needs/Expected Learning Objectives** Physicians will learn how and when to incorporate standardized safety and communication checklists into pre-surgical routines.**Director(s)** Cheryl B. Iglesia, MD; Yona Tadir, MD**Faculty** Macrene R. Alexiades, MD, PhD; G. Willy Davila, MD, FACOG; Adrian Gaspar, MD; Fernanda H. Sakamoto, MD, PhD; Sherry Thomas, MD, MPH**\$ COURSE****N I E**8:00 AM - 5:30 PM
Room 113**Nursing / Allied Health*****With new Nursing/Allied Health Laser Learning Lab Roundtable*****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 session will address the practice gaps that exist between scopes of practice in the use of lasers and light-based devices within different specialties. The session identifies the need for either both more basic as well as more advanced lectures to better address the needs of different specialties in the audience. And finally, the session includes knowledge of laser safety, best practices and increased understanding of lasers and energy devices.**Director(s)** John E. Hoopman, CMLSO; Rebecca L. Sprague, RN, NP-C**Faculty** Rebecca Amato, RN; Linda Coward, RN; Christine C. Dierickx, MD; Omar A. Ibrahim, MD, PhD; H. Ray Jalian, MD; Jeffrey M. Kenkel, MD; Kathy Keys, RN; Elizabeth G. Newman, RN, BSN; Sharon K. Olson, RN; Tracy Ovtcharov, RN; Patricia A. Owens, RN, MHA, CMLSO, CNOR; Judy Romero, RN; E. Victor Ross, MD; Penny J. Smalley, RN, CMLSO; Emil A. Tanghetti, MD; Godfrey A. Town, PhD; Jill S. Waibel, MD**\$ NON-CME
COURSE****I E**8:00 AM - 12:00 PM
Room 302**Expert Treatment Approaches****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 how to assess and choose effective and safe treatment modalities for difficult cosmetic problems based on case studies and experience.**Director(s)** Gary P. Lask, MD; Brian D. Zelickson, MD**Faculty** Mathew M. Avram, MD, JD; A. Jay Burns, MD; Jerome M. Garden, MD; Omer Ibrahim, MD; Arielle N.B. Kauvar, MD; Kristen M. Kelly, MD; Suzanne L. Kilmer, MD; Arisa E. Ortiz, MD; E. Victor Ross, MD; Fernanda H. Sakamoto, MD, PhD

\$ NON-CME COURSE

N I E

8:00 AM - 12:00 PM
Room 105**Resurfacing and Rejuvenation****Participants** This activity is aimed at physicians who wish to enhance their understanding of best practice methods in rejuvenation.**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** During this session detailed discussion will take place to review each of the classes of devices used in skin rejuvenation as well as proper safety techniques. After, participants will be able to identify the correct device for a specific condition.**Director(s)** Jeffrey S. Dover, MD, FRCPC; Roy G. Geronemus, MD**Faculty** Andrew F. Alexis, MD, MPH; Daniel A. Belkin, MD; Bradley S. Bloom, MD; Lauren M. Bonati, MD; Anne M. Chapas, MD; Christine C. Dierickx, MD; Paul M. Friedman, MD; Omer Ibrahim, MD; Shilpi Khetarpal, MD; Zakia Rahman, MD; Jason K. Rivers, MD, FRCPC, FAAD; Christopher B. Zachary, MBBS, FRCP**HANDS-ON COURSE**

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10:00 AM - 11:45 AM
Room 203**NEW Resident/Fellow Laser Learning Lab Roundtable*****Pre-registration required*****Participants** This session is only open to Residents or Fellows-in-Training.**Background Requirements** There are no specific background requirements.**Educational Needs/Expected Learning Objectives** Participants will learn:

- » Basics of laser safety.
- » Basic clinical endpoints to be achieved during laser treatments.
- » The devices that are available for clinical use and for which indication(s) each is best suited.

Topics/Devices Covered:

- » Vascular Lesions - *Jerome M. Garden; Sandeep S. Saluja*
 - » 650 Microsecond 1064 ND:YAG
 - » LED Polarized Light
 - » PDL
 - » 532nm KTP with two 1064nm Nd:YAG laser modes
- » IPL, Tattoos and Pigment - *Elizabeth L. Tanzi; Adam J. Wulkan*
 - » IPL
 - » Combined Q-Switched Picosecond 532/785/1064nm
- » Hair Removal - *Brian S. Biesman; Catherine M. DiGiorgio*
 - » Diode Laser
 - » Bilateral Nd:YAG (1064nm) and Alexandrite (755nm)
 - » Smoke Evacuation System
- » Body Contouring - *Nazanin Saedi; Kelly J. Stankiewicz*
 - » HIFEM
 - » RF Fat Removal
 - » 1550/1927nm

Director(s) Kristen M. Kelly, MD; Yakir Levin, MD, PhD**Faculty** Brian S. Biesman, MD; Catherine M. DiGiorgio, MD; Jerome M. Garden, MD; Nazanin Saedi, MD; Sandeep S. Saluja, BS, MD; Kelly J. Stankiewicz, MD, FAAD; Elizabeth L. Tanzi, MD, FAAD; Adam J. Wulkan, MD**\$ PM KNOWLEDGE POWER HOUR**

N I E

12:15 PM - 1:15 PM
Room 401**Cutaneous Medical Applications for Energy-Based Devices****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** Providers will learn the varied approaches now used with these devices, along with safety techniques to maximize patient outcomes.**Director(s)** David J. Goldberg, MD, JD**Faculty** Michael H. Gold, MD; Mark S. Nestor, MD, PhD

**\$ PM
KNOWLEDGE
POWER HOUR**

N I E

12:15 PM - 1:15 PM
Room 402

NEW Integrating Topicals into Your Laser/Energy-Based Device Practice

Participants Physicians who currently use or are considering use of topicals and laser/energy-based devices in their practice.

Background Requirements Participants should have an interest in adding topicals to complement laser, aesthetic, and body procedures.

Educational Needs/Expected Learning Objectives This course is beneficial for anyone who wishes to have a deeper understanding of how to integrate topical treatments with lasers, energy-based devices, and other procedures and then apply that knowledge to achieve optimal clinical outcomes. After this session, physicians will:

- » Learn how to combine topical treatments with lasers and energy-based devices for optimal patient benefit.
- » Learn the basic science and clinical principles that underlie combining topicals with lasers and energy-based devices.
- » Become aware of the current clinical practice trends and science supporting the combination of topicals and laser/energy-based devices.

Director(s) Jared R. Jagdeo, MD, MS

Faculty Neil I. Brody, MD, PhD; Roy G. Geronemus, MD; Julie Nguyen, MD

**\$ PM
KNOWLEDGE
POWER HOUR**

N I E

12:15 PM - 1:15 PM
Room 403

Laser-Assisted Drug Delivery

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

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

Educational Needs/Expected Learning Objectives Attendees will gain a basic understanding of the interaction between laser settings, drug uptake and clinical skin reactions. Attendees will also learn the current clinical state of knowledge in laser-assisted drug delivery in dermatology-oncology, scar treatment, and rejuvenation procedures, as well as how to handle safety issues.

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

Faculty Jeffrey S. Dover, MD, FRCP; Jill S. Waibel, MD

**\$ NON- CME PM
KNOWLEDGE
POWER HOUR**

I E

12:15 PM - 1:15 PM
Room 404

Our Favorite Laser Pearls

Participants This session is designed for experienced laser practitioners using lasers for cutaneous applications and are 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 From attending this session, physicians will:

- » Learn how to execute an improvement in a complex patient with tattoos that change color during treatment or that darken during treatment.
- » Learn new skills and parameters to effectively treat pigmented lesions that often go untreated.
- » Learn about the dangers of laser plume and posit solution(s).
- » Learn how to vary settings in different areas to limit downtime and enhance healing.
- » Be introduced to techniques to manage these conditions effectively, with longevity and safety.
- » Learn about DSAP which is a new laser technique which hasn't been published and is simple and widely available will be presented to laser physicians for potential usage.
- » Learn of a combination therapy with lasers and other modalities that is effective for melasma.

Director(s) Jeremy B. Green, MD; Amy F. Taub, MD

Faculty Kenneth A. Arndt, MD; Brian S. Biesman, MD; Suzanne L. Kilmer, MD; Zakia Rahman, MD

**\$ PM
KNOWLEDGE
POWER HOUR**

N I E

12:15 PM - 1:15 PM
Room 405

NEW Special FDA Session: Historical Glance and Approval Process Overview

Participants Physicians and healthcare professionals using medical devices for patient care and clinical research.

Background Requirements No prior regulatory knowledge should be required to achieve the learning objectives of this course.

Educational Needs/Expected Learning Objectives Attendees will gain an understanding of the FDA approval process for selected medical devices and therefore improve their ability to properly advise and consent patients. They will also learn how they can use and advertise their medical devices consistent with FDA cleared labeling.

Director(s) Dieter Manstein, MD, PhD

Faculty Richard P. Felten, BA, MS; Shlomit Halachmi, MD, PhD

**\$ HANDS-ON
COURSE****N****12:15 PM - 2:45 PM
Room 203****Laser Learning Lab: Session #1A**

Participants Practitioners who are novice users of 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 be introduced to various laser technologies, learn basic laser parameters and how to optimize them for the best clinical outcomes. Basic laser safety techniques will be emphasized.

Topics/Devices Covered:

- » Vascular Lesions - *Melanie M. Kingsley; Yakir Levin*
 - » 650 Microsecond 1064 ND:YAG
 - » LED Polarized Light
 - » PDL
 - » 532nm KTP with two 1064nm Nd:YAG laser modes
- » IPL - *H. Ray Jalian; Brenda LaTowsky*
 - » IPL
- » Hair Removal - *Vineet Mishra; Sandeep S. Saluja*
 - » Diode Laser
 - » Bilateral Nd:YAG (1064nm) and Alexandrite (755nm)
 - » Smoke Evacuation System
- » Body Contouring - *Daniel P. Friedmann; Adam J. Wulkan*
 - » RF Fat Removal
 - » HIFEM

Director(s) Ashish C. Bhatia, MD, FAAD; Kelly J. Stankiewicz, MD, FAAD

Faculty Daniel P. Friedmann, MD; H. Ray Jalian, MD; Melanie M. Kingsley, MD; Brenda LaTowsky, MD; Yakir Levin, MD, PhD; Vineet Mishra, MD; Sandeep S. Saluja, BS, MD; Adam J. Wulkan, MD

**\$ HANDS-ON
COURSE****I****12:15 PM - 2:45 PM
Room 207****Laser Learning Lab: Session #2A**

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 At least a beginner's knowledge or history of laser use and implementation.

Educational Needs/Expected Learning Objectives After this session, physicians will:

- » Learn how to select the appropriate patient for each laser and intended treatment.
- » Learn the mechanism of action and subtleties of each device, and widen their repertoire of settings and applications of each device.
- » Re-learn and review proper laser safety techniques.

Topics/Devices Covered:

- » Skin Tightening - *Shilpi Khetarpal; Kristel D. Polder*
 - » Microneedling with Fractional RF
 - » RF
- » Pigment/Tattoos - *Nazanin Saedi; Mara C. Weinstein Velez*
 - » Combined Q-Switched Picosecond and Nanosecond 532/670/1064nm
 - » Picosecond workstation with 755nm core wavelength and focus lens array
 - » 532nm KTP with two 1064nm Nd:YAG laser modes
- » Non-Ablative Fractional Resurfacing - *Shraddha Desai; Amanda Suggs*
 - » Fractional, tunable 1470nm and 2940nm
 - » 1550/1927nm
- » Ablative Fractional Resurfacing & Finishing Injectable Techniques - *Marwan Alhaddad; Mary Lupo*
 - » Er:YAG
 - » IPL - CO₂
 - » Smoke Evacuation System

Director(s) Paul M. Friedman, MD; Omer Ibrahim, MD

Faculty Marwan Alhaddad, MD; Shraddha Desai, MD; Shilpi Khetarpal, MD; Mary Lupo, MD; Kristel D. Polder, MD; Nazanin Saedi, MD; Amanda Suggs, MD; Mara C. Weinstein Velez, MD

\$ COURSE**I**1:30 PM - 3:30 PM
Room 105**Early and Late Intervention for Scarring****Participants** Dermatologists and plastic surgeons who want to improve their skills in treating multiple variations of scars.**Background Requirements** Participants should have a clear interest in the full aspect of treating scars from pathophysiology to the psychology.**Educational Needs/Expected Learning Objectives** After attending this session physicians will:

- » Acquire the assessment skills in scars and determine on when they can be safely treated.
- » Understand the importance of expectation management and communication when treating patients.

Director(s) Chad M. Hivnor, MD; Matteo Tretti Clementoni, MD**Faculty** David M. Ozog, MD; Peter R. Shumaker, MD**\$ COURSE****I E**1:30 PM - 5:30 PM
Room 302**Optimizing Outcomes: Treatments and Techniques for Combining Injectables with Lasers and Energy-Based Devices****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 as well as possess a basic understanding of energy and light based devices.**Educational Needs/Expected Learning Objectives** From this activity participants will:

- » Learn how to select the appropriate laser or device in different clinical settings and combine these with the appropriate injectable(s) to achieve optimal outcomes.
- » Better understand the safety risks associated with the use of injectables and be capable of using this knowledge to practice safely.
- » Learn through lectures, videos, and open discussions the appropriate use of lasers, devices and injectables to treat a wide range of concerns.

Director(s) Brian S. Biesman, MD; Joel L. Cohen, MD, FAAD, FACMS**Faculty** Macrene R. Alexiades, MD, PhD; Tina S. Alster, MD; Mathew M. Avram, MD, JD; Jeffrey S. Dover, MD, FRCPC; Jeremy B. Green, MD; Arielle N.B. Kauvar, MD; Girish S. Munavalli, MD, MHS, FACMS; Arisa E. Ortiz, MD; Jason N. Pozner, MD; Brooke C. Sikora, MD**\$ HANDS-ON COURSE****N**3:00 PM - 5:30 PM
Room 203**NEW Laser Learning Lab: Session #1B****Participants** Practitioners who are novice users of 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 be introduced to various laser technologies, learn basic laser parameters and how to optimize them for the best clinical outcomes. Basic laser safety techniques will be emphasized.**Topics/Devices Covered:**

- » Vascular Lesions - *Melanie M. Kingsley; Yakir Levin*
 - » 650 Microsecond 1064 ND:YAG
 - » LED Polarized Light
 - » PDL
 - » 532nm KTP with two 1064nm Nd:YAG laser modes
- » IPL - *H. Ray Jalian; Brenda LaTowsky*
 - » IPL
- » Hair Removal - *Vineet Mishra; Sandeep S. Saluja*
 - » Diode Laser
 - » Bilateral Nd:YAG (1064nm) and Alexandrite (755nm)
 - » Smoke Evacuation System
- » Body Contouring - *Daniel P. Friedmann; Adam J. Wulkan*
 - » RF Fat Removal
 - » HIFEM

Faculty Daniel P. Friedmann, MD; H. Ray Jalian, MD; Melanie M. Kingsley, MD; Brenda LaTowsky, MD; Yakir Levin, MD, PhD; Vineet Mishra, MD; Sandeep S. Saluja, BS, MD; Adam J. Wulkan, MD

\$ HANDS-ON COURSE**I****3:00 PM - 5:30 PM
Room 207**CME: 2.5
CE: 3.0**NEW Laser Learning Lab: Session #2B****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** At least a beginner's knowledge or history of laser use and implementation.**Educational Needs/Expected Learning Objectives** After this session, physicians will:

- » Learn how to select the appropriate patient for each laser and intended treatment.
- » Learn the mechanism of action and subtleties of each device, and widen their repertoire of settings and applications of each device.
- » Re-learn and review proper laser safety techniques.

Topics/Devices Covered:

- » Skin Tightening - *Shilpi Khetarpal; Kristel D. Polder*
 - » Microneedling with Fractional RF
 - » RF
- » Pigment/Tattoos - *Nazanin Saedi; Mara C. Weinstein Velez*
 - » Combined Q-Switched Picosecond and Nanosecond 532/670/1064nm
 - » Picosecond workstation with 755nm core wavelength and focus lens array
 - » 532nm KTP with two 1064nm Nd:YAG laser modes
- » Non-Ablative Fractional Resurfacing - *Shraddha Desa; Amanda Suggs*
 - » Fractional, tunable 1470nm and 2940nm
 - » 1550/1927nm
- » Ablative Fractional Resurfacing & Finishing Injectable Techniques - *Marwan Alhaddad; Mary Lupo*
 - » Er:YAG
 - » IPL - CO₂
 - » Smoke Evacuation System

Director(s) Paul M. Friedman, MD; Omer Ibrahim, MD**Faculty** Marwan Alhaddad, MD; Shraddha Desai, MD; Shilpi Khetarpal, MD; Mary Lupo, MD; Kristel D. Polder, MD; Nazanin Saedi, MD; Amanda Suggs, MD; Mara C. Weinstein Velez, MD**\$ COURSE****N I E****3:30 PM - 5:30 PM
Room 105**CME: 2.0
CE: 2.4**NEW Tattoo and Pigment: Treatments and Device Pros/Cons****Participants** This course is designed for beginners all the way to expert who wish to treat tattoos or pigmented lesions with lasers and other energy-based devices.**Background Requirements** No background is required for this course, as concepts will be explained clearly whether basic or advanced.**Educational Needs/Expected Learning Objectives** Physicians will learn a basic understanding of laser physics and techniques to learn how to safely operate advanced Q-switched and picosecond-domain lasers and IPLs. Cutting edge technologies will also be presented to acquaint participants with new laser technologies and associated devices to maximize outcomes. Information from laser safety all the way to newest developments in laser technology will be presented.**Director(s)** Eric F. Bernstein, MD, MSE; E. Victor Ross, MD**Faculty** Mathew M. Avram, MD, JD; Henry H.L Chan, MD, PhD, FRCP; Roy G. Geronemus, MD**FEATURED NON-CME EVENT****N I E****5:30 PM - 7:30 PM
Room 402****Celebration of ASLMS Women in Energy-Based Devices*****Complimentary light hors d'oeuvres and non-alcoholic beverages, drink tickets for the bar*****WEBD Committee Director** Arisa E. Ortiz, MD**Featured Speaker** Suzanne L. Kilmer, MD**Award Recipients** Merete Haedersdal, MD, PhD, DMSc; Dana M. Hutchison, MS**Panelists** Lilit Garibyan, MD, PhD; Kristen M. Kelly, MD; Liz P. Newman; Thanh-Nga T. Tran, MD, PhD**WEBD Committee Members** Jennifer K. Barton, PhD; Anne M. Chapas, MD; Laura L. McDermott, BIS, LE, MA; Ginger M. Pocock, PhD; Anne Marie Tremaine, MD; Jill S. Waibel, MD***For more information see the EXPLORE:CONNECT guide***

CONFERENCE | MARCH 29-31

INCLUDES EXHIBIT HALL | DOES NOT INCLUDE PRE-CONFERENCE

NON-CME WORKSHOP

N I E

7:00 AM - 9:00 AM
Room 110

NEW Avoiding Complications of Injectables and Energy-Based Devices

Participants Any health care provider working with energy-based devices and injectables would benefit from understanding potential complications and paradigm to treat them.

Background Requirements Participants should have some background in energy-based devices and injectable treatments such as botulinum toxin A and dermal fillers.

Educational Needs/Expected Learning Objectives Participants will learn how to reduce the risk of complications through a better understanding of device/tissue interactions and knowledge of local anatomy.

Director(s) Deanne Mraz Robinson, MD; Jason K. Rivers, MD, FRCPC, FAAD

Faculty Jeremy A. Brauer, MD; Melanie Palm, MD, MBA; Rachel N. Pritzker, MD; Mara C. Weinstein Velez, MD

WORKSHOP

N

7:00 AM - 9:00 AM
Room 301

Basic Mechanisms of Photobiomodulation

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 This 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. It will also help attendees to improve performance, competence and outcomes as clinicians will be better able to select appropriate patients, devices, application strategies and assessment strategies. The session will provide strategies to address clinical problems and improved understanding will result in increased professional effectiveness, and enhanced patient safety.

Director(s) Raymond J. Lanzafame, MD, MBA, FACS

Faculty G. David Baxter, TD, DPhil, MBA; Ethne L. Nussbaum, PhD, MEd, BScPT; Steve Tumilty, PhD, MPhy

NON-CME WORKSHOP

N I

7:00 AM - 9:00 AM
Room 203

Devices in Women's Genitourinary Health Scientific Fundamentals

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 This session will review the clinical applications of each of the different energy-based therapies currently used in the vagina and pelvic health. It will also specifically discuss possible alternative medicine such as stress incontinence, dyspareunia, pelvic and perineal scar in addition to genitourinary syndrome of menopause.

Director(s) Susan G. Murrmann, MD; Kevin Stepp, MD

Faculty Peter A. Castillo, MD; Andrea M. Pezzella, MD

WORKSHOP

I E

7:00 AM - 9:00 AM
Room 113

Hanging Your Shingle: Practice Management Tips

Participants This session is designed for physicians who are in current practice and/or are interested in opening or expanding laser services.

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

Educational Needs/Expected Learning Objectives After this session, physicians will learn:

- » How to maximize office design for increased practice efficiency and patient safety.
- » How to optimize financial management and learn basic employee management skills.
- » What the best practices are to identify and negotiate large capital purchases.
- » What the basics are of internal and external marketing of a new device or procedure.
- » How to address difficult patient situations in order to optimize patient satisfaction and loyalty.

Director(s) Tina S. Alster, MD; George J. Hruza, MD, MBA

Faculty Eric F. Bernstein, MD, MSE; Anne M. Chapas, MD; Melanie Palm, MD, MBA; Todd E. Schlesinger, MD

NON-CME
WORKSHOP

I E

7:00 AM - 9:00 AM
Room 207**NEW** How I Treat This: A Discussion of Challenging Cases in Pigment, Hair and Vascular Lesions**Participants** Experienced physicians who are comfortable working with difficult therapeutic challenges using lasers, technology alone or in combination with traditional therapies.**Background Requirements** Must have thorough knowledge of complicated skin pathological states involving hair, pigment and vascular lesions. Should be experienced with traditional therapeutic options. Dermatologists, Plastic surgeons and those with extensive experience treating complicated skin lesions would be more qualified.**Educational Needs/Expected Learning Objectives** Faculty will provide tips on treating challenging cases in pigment, hair and vascular lesions, including potential benefits and potential complications. They will also review past and present best practices, as well as literature-based evidence for the standard of care, for challenging conditions and when to treat and when not to treat.**Director(s)** Mark B. Taylor, MD; Jill S. Waibel, MD**Faculty** Jerome M. Garden, MD; Gerald N. Goldberg, MD; Suzanne L. Kilmer, MD

WORKSHOP

N I E

7:00 AM - 9:00 AM
Four-Seasons Ballroom 4**NEW** Skin of Color: Exploring Device and Treatment Options**Participants** This activity is designed for doctors, physician 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** Attendees will learn to safely utilize lasers and devices, through proper parameter manipulation, to provide safe and effective treatment in skin of color.**Director(s)** Henry H.L. Chan, MD, PhD, FRCP; Girish S. Munavalli, MD, MHS, FACMS**Faculty** Andrew F. Alexis, MD, MPH; Carl Kuo Liang Cheng, MD; Taro Kono, MD; Swapnil Shah, MDNON-CME
WORKSHOP

N I E

7:00 AM - 9:00 AM
Room 109

Treatments and Imaging for Skin Cancer

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** From attending this session, physicians and researchers:

- » Will be updated on current research and issues in non-invasive skin cancer imaging.
- » Will explore the use of energy-based devices for skin cancer treatment.
- » Will be presented with data on newer innovations in technology.

Director(s) Boncheol L. Goo, MD, MSc; Anthony M. Rossi, MD**Faculty** Andres M. Erlendsson, MD, PhD; Merete Haedersdal, MD, PhD, DMSc; Milind Rajadhyaksha, BS, MS, PhDPLENARY
SESSION

N I E

9:30 AM - 11:00 AM
Four-Seasons Ballroom 4

Plenary Session

Presiding Eric F. Bernstein, MD, MSE**Program Chairs:** Henry H.L. Chan, MD, PhD, FRCP; Dieter Manstein, MD, PhD; Girish S. Munavalli, MD, MHS, FACMS**Keynote Speaker** Scott Parazynski**Presidential Address** Eric F. Bernstein, MD, MSE**Presidential Citation Recognition** Craig A. Drill, MBA; Roy G. Geronemus, MD; Jasson Gilmore; Robert E. Grove, PHD; George J. Hruza, MD, MBA; Suzanne L. Kilmer, MD; Raymond J. Lanza fame, MD, MBA, FACS; David H. Sliney, PhD; Brian D. Zelickson, MD**Honorary Award Speakers** Bahman Anvari, PhD; Paul M. Friedman, MD; Gerald N. Goldberg, MD; Rebecca L. Sprague, RN, NP-C; Judith Su, PhD**Abstract Award Recipient Recognition** Macrene R. Alexiades, MD, PhD; Jose L. Azpiaz, MD; Daniel J. Callaghan, MD; Timothy A. Durso, MD; Natalia Jiménez Gómez, MD; Sheila Natari; Katia Rupel, DDS, PhD; Mona Sadeghpour, MD

BUSINESS MEETING

11:00 AM - 11:30 AM
Four Seasons Ballroom 4

ASLMS Business Meeting

Participants All ASLMS Members invited.

ABSTRACT SESSION

11:15 AM - 12:15 PM
Exhibit Hall A

ePoster Town Hall

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.

Sub-Topics

- » Combinational Treatment of Laser with Other Modalities
- » Non-Laser Application

Section Chairs Martin Purschke, PhD; Douglas Wu, MD, PhD

FEATURED NON-CME EVENT

N I E

11:30 AM - 12:30 PM
Room 301

ESLD Special Meeting

Pre-registration required along with registration for the ASLMS Conference in order to attend

***Note: Lunch is not provided. Attendees may bring lunch into the meeting. Lunch is available in the Exhibit Hall 11:00 AM - 1:00 PM, free for attendees with voucher, cash lunch options available for exhibitors.**

Description The luncheon session of the European Society for Laser and Energy-based Devices (ESLD) will deal with controversial topics and focus on recent systematic reviews concerning laser and light based treatments for acne, congenital nevi and reduction of scar formation by early treatment.

The pros and cons of these applications will be discussed based upon state of the art systematic reviews. Above all, the evidence or lack of evidence for these applications will be critically appraised.

Special emphasis will be put on discussion and exchange in between the panel and the participants to ensure the exchange of "European savoir faire" in laser medicine.

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

Director(s) Hans-Joachim Laubach, MD; Albert Wolkerstorfer, MD, PhD

Faculty Ashraf M. Badawi, MD, PhD; Merete Haedersdal, MD, PhD, DMSc; Anthony M. Rossi, MD, FAAD; Katharina Russe-Wilflingseder, MD; Matteo Tretti Clementoni, MD

Detailed schedules, disclosures, and CME/CE credit info are available on the ASLMS mobile app or online at aslms.org.

CME
ABSTRACT
SESSION

Room 109

Basic Science and Translational Research

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 energy-based technology (photobiomodulation, radiofrequency, laser/light therapy and cryolipolysis).
- » New diagnostic and treatment approaches.
- » Pre-clinical 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.

Sub-Topics

- » Diagnostics - Imaging - Skin/Dentistry/
Gastroenterology/Gynecology
- » Diagnostics - Light Sensors - Skin/Cryolipolysis/
Vascular/Miscellaneous
- » Therapeutic - HIFU - Fat
- » Therapeutic - Laser - Gastrointestinal
- » Therapeutic - Light Therapy - Dentistry
- » Therapeutic - Miscellaneous
- » Therapeutic - Phototherapy - Gastroenterology/
Photobiomodulation/Skin Surgery
- » Therapeutic - Radiofrequency Therapy -
Skin Surgery/Gastroenterology
- » Therapeutic - Skin - Drug Delivery/Fat/
Plasma/Radiofrequency
- » Therapeutic - Thermal - Skin/Cryolipolysis/
Surgery/Ophthalmology

Section Chairs Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 109

Non-CME Basic Science and Translational Research

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:

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- » Diagnostics - Imaging - Skin/Dentistry/
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- » Diagnostics - Light Sensors - Skin/Cryolipolysis/
Vascular/Miscellaneous
- » Therapeutic - HIFU - Fat
- » Therapeutic - Laser - Gastrointestinal
- » Therapeutic - Light Therapy - Dentistry
- » Therapeutic - Miscellaneous
- » Therapeutic - Phototherapy - Gastroenterology/
Photobiomodulation/Skin Surgery
- » Therapeutic - Radiofrequency Therapy -
Skin Surgery/Gastroenterology
- » Therapeutic - Skin - Drug Delivery/Fat/
Plasma/Radiofrequency
- » Therapeutic - Thermal - Skin/Cryolipolysis/
Surgery/Ophthalmology

Section Chairs Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD

CME
ABSTRACT
SESSION

Four Seasons Ballroom 4

Clinical Applications - Cutaneous

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.

Sub-Topics

- » Acne
- » Complications and Legal Issues
- » Fat/Body Contouring
- » Hair
- » Hyperhidrosis
- » Laser-Assisted Delivery
- » Novel Use of Lasers for Medical Conditions
- » Picosecond Laser
- » Pigment
- » Rejuvenation
- » Scar
- » Tattoo
- » Tightening
- » Vascular

Section Chairs Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Four Seasons Ballroom 4

Non-CME Clinical Applications - Cutaneous

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- » Scar
- » Tattoo
- » Tightening
- » Vascular

Section Chairs Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP

CME
ABSTRACT
SESSION

Room 110

Clinical Applications - Gynecologic/Women's Health

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.

Sub-Topics

- » Genitourinary Syndrome of Menopause
- » Histology
- » Other
- » Vulva

Section Chairs G. Willy Davila, MD, FACOG; Nathan L. Guerette, MD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 110

Non-CME Clinical Applications - Gynecologic/Women's Health

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Sub-Topics

- » Genitourinary Syndrome of Menopause
- » Histology
- » Other
- » Vulva

Section Chairs G. Willy Davila, MD, FACOG; Nathan L. Guerette, MD

Detailed schedules, disclosures, and CME/CE credit info are available on the ASLMS mobile app or online at aslms.org.

CME
ABSTRACT
SESSION

Room 113

Clinical Applications - Multi-Specialty

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.

Sub-Topics

- » Body Contouring
- » Dental
- » Fractional
- » General Laser
- » Non-Fractional Ablative
- » Neurology
- » Ophthalmology
- » Photobiomodulation
- » Photodynamic Therapy
- » Picosecond
- » Practice Management
- » Radiofrequency
- » Tattoo
- » Vascular
- » Ultrasound
- » Urology

Section Chairs Randal T. Pham, MD; Jason N. Pozner, MD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 113

Non-CME Clinical Applications - Multi-Specialty

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.

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Sub-Topics

- » Body Contouring
- » Dental
- » Fractional
- » General Laser
- » Non-Fractional Ablative
- » Neurology
- » Ophthalmology
- » Photobiomodulation
- » Photodynamic Therapy
- » Picosecond
- » Practice Management
- » Radiofrequency
- » Tattoo
- » Vascular
- » Ultrasound
- » Urology

Section Chairs Randal T. Pham, MD; Jason N. Pozner, MD

FEATURED
NON-CME
EVENT

N I E

2:00 PM - 2:20 PM
Exhibit Hall A

Ask Me Anything

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.

Hosts Arielle N.B. Kauvar, MD; Brian D. Zelickson, MD

FEATURED
NON-CME
EVENT4:45 PM - 5:30 PM
Four Seasons
Ballroom Foyer

NEW Welcome Reception and Early Career Networking

Complimentary light hors d'oeuvres and non-alcoholic beverages, drink ticket for the bar

Participants All are welcome.

All attendees are invited to relax and mingle prior to the Tech Connect session. This is the place for early career participants to network and build relationships with peers and luminaries. Complimentary light hors d'oeuvres and drink tickets for beverages/bar will be available. Cash bar.

FEATURED
NON-CME
EVENT

N I E

5:30 PM - 7:30 PM
Four Seasons Ballroom 4

Tech Connect

Participants All are welcome.

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

Sub-Topics

- » Body Contouring Devices
- » Vaginal Rejuvenation
- » Picosecond Devices
- » Vascular

Director(s) Henry H.L Chan, MD, PhD, FRCP; Dieter Manstein, MD, PhD;
Girish S. Munavalli, MD, MHS, FACMS

Faculty Macrene R. Alexiades, MD, PhD; Eric F. Bernstein, MD, MSE; A. Jay Burns, MD;
Daniel P. Friedmann, MD; Adrian Gaspar, MD; Omar A. Ibrahim, MD, PhD; Cheryl B. Iglesia, MD;
Bruce E. Katz, MD; Kristen M. Kelly, MD; Suzanne L. Kilmer, MD; Taro Kono, MD, PhD; Mark B. Taylor, MD;
Robert A. Weiss, MD, FAAD; Douglas Wu, MD, PhD

Detailed schedules,
disclosures, and CME/CE
credit info are available on
the ASLMS mobile app or
online at aslms.org.

WORKSHOP

N I E

7:00 AM - 9:00 AM
Room 203

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

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 radio frequency devices.**Educational Needs/Expected Learning Objectives** Physicians will learn to evaluate the purposes, ability, benefits to the patients and relative merits of each device and will learn to better determine what, if anything, needs to be done for each condition that the devices are intended to treat, and the medical science justifying their use or non-use. Physicians will also learn about and discuss information on the usefulness, present and potential applications of such devices.**Director(s)** Macrene R. Alexiades, MD, PhD; Adrian Gaspar, MD**Faculty** Nathan L. Guerette, MD, FPMRS, FACOG; Cheryl B. Iglesia, MD; Yona Tadir, MD; Sherry Thomas, MD, MPH

NON-CME WORKSHOP

N I E

7:00 AM - 9:00 AM
Room 207

Full Spectrum of Body Contouring

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 learn how to better assess patients and have better knowledge about the devices available to improve body contouring techniques, safety and patient outcomes.**Director(s)** A. Jay Burns, MD; Suzanne L. Kilmer, MD**Faculty** Mathew M. Avram, MD, JD; Barry E. DiBernardo, MD; Jason N. Pozner, MD

WORKSHOP

N I E

7:00 AM - 9:00 AM
Room 105

Laser and Energy-Based Treatments for Leg Veins

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** This session will present the latest laser technologies that can be applied for the evidenced-based treatment of cutaneous (spider and reticular) to varicose veins. This session will also highlight how to avoid and manage complications of energy-based devices for leg veins.**Director(s)** Daniel P. Friedmann, MD; Robert A. Weiss, MD, FAAD**Faculty** Vineet Mishra, MD; Girish S. Munavalli, MD, MHS, FACMS; Neil S. Sadick, MD

WORKSHOP

I

7:00 AM - 9:00 AM
Room 301

Laser Safety in the Practice Environment

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** After attending this session 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.
- » Describe common local and topical anesthetics, dosimetry, clinical effects, signs and symptoms of toxicity, and treatment course for complications.
- » Have a deeper understanding of the national, state, their local regulatory and standards environment.
- » Increase their knowledge of 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; Kachiu C. Lee, MD, MPH; Gustavo A. Lozada, MD, MSEd

WORKSHOP

NI

7:00 AM - 9:00 AM
Room 109

Neck Rejuvenation

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 about the most advanced techniques to rejuvenate the neck including non-surgical and minimally-invasive treatments to better address the needs of their patients.**Director(s)** Elizabeth L. Tanzi, MD, FAAD**Faculty** Bruce E. Katz, MD; Girish S. Munavalli, MD, MHS, FACMS

WORKSHOP

IE

7:00 AM - 9:00 AM
Four Seasons Ballroom 4

NEW Skin of Color: Managing Complications

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** Attendees will learn important considerations of laser physics to provide safe and effective treatments to patients with skin of color.**Director(s)** Jeremy A. Brauer, MD; Omar A. Ibrahim, MD, PhD**Faculty** Henry H.L. Chan, MD, PhD, FRCP; H. Ray Jalian, MD; Taro Kono, MD, PhD; E. Victor Ross, MD; Nazanin Saedi, MDNON-CME
WORKSHOP

IE

7:00 AM - 9:00 AM
Room 113

NEW Using Photobiomodulation in Diverse Clinical Applications

Participants This session is suitable for clinicians (physicians, allied health and nursing) and researchers.**Background Requirements** Graduate level knowledge and outcomes and attributes in clinical and biological sciences will be necessary for this session.**Educational Needs/Expected Learning Objectives** The session will discuss the lack of knowledge of the underlying principles and clinical evidence to support the use of laser photobiomodulation in various clinical applications along with the relevance of irradiation parameters to clinical effects. Attendees will be provided with an overview of clinical applications, current challenges/debates, and focus - for the areas indicated - on providing a summary of biophysical and biological rationale, as well as current clinical evidence. This session will serve to improve performance, clinical competence, and clinical outcomes by enabling better clinical reasoning and clinical decision making in attendees. The principle aim of the activity is to enhance evidence-based practice: informing better decision making for individual patients through the use of the best available evidence; along with better clinical outcomes, and improved patient safety.**Director(s)** G. David Baxter, TD, DPhil, MBA; David H. McDaniel, MD**Faculty** Praveen Arany, DDS, MDS, MMSc, PhD; Ethne L. Nussbaum, PhD, MEd, BScPT; Steve Tumilty, PhD, MPhtySPECIAL CME
SESSION

N

9:30 AM - 10:30 AM
Four Seasons Ballroom 4

Magic Wand: Lab to Clinic Problem Solving

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 identify and clearly define unmet needs in dermatology worth solving. They will also learn how to do innovative and problem based research in academic and private practice settings.**Director(s)** R. Rox Anderson, MD; Lilit Garibyan, MD, PhD**Faculty** Kristen M. Kelly, MD; Suzanne L. Kilmer, MD; Fernanda H. Sakamoto, MD, PhD

SPECIAL CME SESSION

I E

10:30 AM - 12:00 PM
Four Seasons Ballroom 4

Cutting Edge: Laser and Skin

Participants All attendees of the ASLMS Annual Conference.**Background Requirements** Attendees should have some prior knowledge of laser medicine or basic science.**Educational Needs/Expected Learning Objectives** This activity is designed to improve physician knowledge in research involving light-based technologies and concepts.**Director(s)** Mathew M. Avram, MD, JD; J. Stuart Nelson, MD, PhD**Faculty** R. Rox Anderson, MD; Dieter Manstein, MD, PhD; Martin Purschke, PhD; E. Victor Ross, MD; Emil A. Tanghetti, MD; Robert A. Weiss, MD, FAAD

ABSTRACT SESSION

12:15 PM - 1:15 PM
Exhibit Hall A

ePoster Town Hall

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.**Sub-Topics**

- » Photobiomodulation/PDT
- » Picosecond Laser Application

Section Chairs Martin Purschke, PhD; Douglas Wu, MD, PhD

SPECIAL CME SESSION

N I

1:30 PM - 5:30 PM
Room 105

Early Career Clinical Pearls

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** From this activity, attendees will be able to learn practical tips through instructional videos and clinically relevant lectures from experts in the field. The activity will provide attendees with techniques and pearls that can be utilized to enhance physicians' abilities to perform various laser procedures, which will improve patient outcomes and satisfaction.**Director(s)** Murad Alam, MD, MSCI, MBA; Arisa E. Ortiz, MD**Faculty** Mathew M. Avram, MD, JD; Henry H.L. Chan, MD, PhD, FRCP; Joel L. Cohen, MD, FAAD, FACMS; Catherine M. DiGiorgio, MD; Omar A. Ibrahim, MD, PhD; Kachiu C. Lee, MD, MPH; E. Victor Ross, MD; Nazanin Saedi, MD; Mary Sheu, MD; Anne Marie Tremaine, MD; Molly Wanner, MD, MBA

Detailed schedules, disclosures, and CME/CE credit info are available on the ASLMS mobile app or online at aslms.org.

CME
ABSTRACT
SESSION

Room 109

Basic Science and Translational Research

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 energy-based technology (photobiomodulation, radiofrequency, laser/light therapy and cryolipolysis).
- » New diagnostic and treatment approaches.
- » Pre-clinical 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.

Sub-Topics

- » Diagnostics - Imaging - Skin/Dentistry/
Gastroenterology/Gynecology
- » Diagnostics - Light Sensors - Skin/Cryolipolysis/
Vascular/Miscellaneous
- » Therapeutic - HIFU - Fat
- » Therapeutic - Laser - Gastrointestinal
- » Therapeutic - Light Therapy - Dentistry
- » Therapeutic - Miscellaneous
- » Therapeutic - Phototherapy - Gastroenterology/
Photobiomodulation/Skin Surgery
- » Therapeutic - Radiofrequency Therapy -
Skin Surgery/Gastroenterology
- » Therapeutic - Skin - Drug Delivery/Fat/
Plasma/Radiofrequency
- » Therapeutic - Thermal - Skin/Cryolipolysis/
Surgery/Ophthalmology

Section Chairs Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 109

Non-CME Basic Science and Translational Research

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:

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Sub-Topics

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Plasma/Radiofrequency
- » Therapeutic - Thermal - Skin/Cryolipolysis/
Surgery/Ophthalmology

Section Chairs Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD

CME
ABSTRACT
SESSION

Four Seasons Ballroom 4

Clinical Applications - Cutaneous

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.

Sub-Topics

- » Acne
- » Complications and Legal Issues
- » Fat/Body Contouring
- » Hair
- » Hyperhidrosis
- » Laser-Assisted Delivery
- » Novel Use of Lasers for Medical Conditions
- » Picosecond Laser
- » Pigment
- » Rejuvenation
- » Scar
- » Tattoo
- » Tightening
- » Vascular

Section Chairs Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Four Seasons Ballroom 4

Non-CME Clinical Applications - Cutaneous

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- » Hair
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- » Picosecond Laser
- » Pigment
- » Rejuvenation
- » Scar
- » Tattoo
- » Tightening
- » Vascular

Section Chairs Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP

CME
ABSTRACT
SESSION

Room 110

Clinical Applications - Gynecologic/Women's Health

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.

Sub-Topics

- » Genitourinary Syndrome of Menopause
- » Histology
- » Other
- » Vulva

Section Chairs G. Willy Davila, MD, FACOG; Nathan L. Guerette, MD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 110

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

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Sub-Topics

- » Genitourinary Syndrome of Menopause
- » Histology
- » Other
- » Vulva

Section Chairs G. Willy Davila, MD, FACOG; Nathan L. Guerette, MD

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CME
ABSTRACT
SESSION

Room 113

Clinical Applications - Multi-Specialty

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.

Sub-Topics

- » Body Contouring
- » Dental
- » Fractional
- » General Laser
- » Non-Fractional Ablative
- » Neurology
- » Ophthalmology
- » Photobiomodulation
- » Photodynamic Therapy
- » Picosecond
- » Practice Management
- » Radiofrequency
- » Tattoo
- » Vascular
- » Ultrasound
- » Urology

Section Chairs Randal T. Pham, MD; Jason N. Pozner, MD

Special Speakers Saif Shaikh, MS; Julie Woodward, MD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 113

Non-CME Clinical Applications - Multi-Specialty

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.

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Sub-Topics

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- » Dental
- » Fractional
- » General Laser
- » Non-Fractional Ablative
- » Neurology
- » Ophthalmology
- » Photobiomodulation
- » Photodynamic Therapy
- » Picosecond
- » Practice Management
- » Radiofrequency
- » Tattoo
- » Vascular
- » Ultrasound
- » Urology

Section Chairs Randal T. Pham, MD; Jason N. Pozner, MD

FEATURED
NON-CME
EVENT

N I E

3:00 PM - 3:20 PM
Exhibit Hall A

Ask Me Anything

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.

Hosts Roy G. Geronemus, MD; Suzanne L. Kilmer, MD

FEATURED
NON-CME
EVENT5:30 PM - 7:00 PM
Exhibit Hall A

Exhibit Hall Social & Live/Silent Auction

Complimentary light hors d'oeuvres and non-alcoholic beverages, drink tickets for the bar

Participants All are welcome.

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. Complimentary light hors d'oeuvres and bar/beverages. Cash bar.

In addition to the Exhibit Hall Social, ASLMS will host its 14th annual auction to support research grants. New for 2019 is the addition of a live auction plus new electronic bidding for the silent auction via mobile app or kiosk in the Exhibit Hall. Proceeds from both support research. Live Auction will take place from 5:45 PM - 6:15 PM. Silent auction bidding closes at 6:30 PM followed by announcement of the winners.

Detailed schedules, disclosures, and CME/CE credit info are available on the ASLMS mobile app or online at aslms.org.

CME
ABSTRACT
SESSION

Room 109

Basic Science and Translational Research

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 energy-based technology (photobiomodulation, radiofrequency, laser/light therapy and cryolipolysis).
- » New diagnostic and treatment approaches.
- » Pre-clinical 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.

Sub-Topics

- » Diagnostics - Imaging - Skin/Dentistry/
Gastroenterology/Gynecology
- » Diagnostics - Light Sensors - Skin/Cryolipolysis/
Vascular/Miscellaneous
- » Therapeutic - HIFU - Fat
- » Therapeutic - Laser - Gastrointestinal
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Plasma/Radiofrequency
- » Therapeutic - Thermal - Skin/Cryolipolysis/
Surgery/Ophthalmology

Section Chairs Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 109

Non-CME Basic Science and Translational Research

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:

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Sub-Topics

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Surgery/Ophthalmology

Section Chairs Walfre Franco, PhD; Fernanda H. Sakamoto, MD, PhD

CME
ABSTRACT
SESSION

Four Seasons Ballroom 4

Clinical Applications - Cutaneous

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.

Sub-Topics

- » Acne
- » Complications and Legal Issues
- » Fat/Body Contouring
- » Hair
- » Hyperhidrosis
- » Laser-Assisted Delivery
- » Novel Use of Lasers for Medical Conditions
- » Picosecond Laser
- » Pigment
- » Rejuvenation
- » Scar
- » Tattoo
- » Tightening
- » Vascular

Section Chairs Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Four Seasons Ballroom 4

Non-CME Clinical Applications - Cutaneous

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- » Vascular

Section Chairs Jennifer Y. Lin, MD; Christopher B. Zachary, MBBS, FRCP

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CME
ABSTRACT
SESSION

Room 113

Early Career Clinical and Scientific

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.

Sub-Topics

- » Clinical
- » Scientific

Section Chairs Yakir Levin, MD, PhD; Thomas E. Rohrer, MD; Sandeep S. Saluja, MD

AFTER A BRIEF BREAK THE NON-CME SESSION WILL BEGIN

NON-CME
ABSTRACT
SESSION

Room 113

Non-CME Early Career Clinical and Scientific

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.

Sub-Topics

- » Clinical
- » Scientific

Section Chairs Yakir Levin, MD, PhD; Thomas E. Rohrer, MD; Sandeep S. Saluja, MD

NON-CME
SPECIAL
SESSION

NOTE

10:00 AM - 12:00 PM
Four Seasons Ballroom 4**Extended Time Experts Video Session**

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.

Educational Needs/Expected Learning Objectives This activity will give demonstrations and provide discussions of video endpoints for device treatments. The videos will show optimized treatment and safety techniques, new applications and approaches of laser devices and show the range of treatment options (some novel) for a given clinical indication.

Sub-Topics

- » Body Contouring
- » Combination Laser and Adjuvant RX
- » Pigmentary Disorders
- » Rejuvenation
- » Scars
- » Vascular

Director(s) Gerald N. Goldberg, MD; Payman Kosari, MD

Faculty E. Victor Ross, MD; Hema Sundaram, MA, MD; Robert A. Weiss, MD, FAAD

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 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 or group of participants.

Disclosure of Faculty and Speaker Commercial Relationship(s)

The American Society for Laser Medicine and Surgery (ASLMS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. As such, we have made the choice to meet ACCME's criteria and practices for continuing medical education and have implemented a Policy on Mechanism to Identify Financial Relationships and Resolve Conflict of Interest where everyone who is in a position to control the content of an educational activity must complete a Disclosure of Financial Relationships with Commercial Interests form and disclose 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 (COI) exists as a result of a relevant financial relationship, it must be resolved prior to the individuals' involvement in a CME activity. In order to do this, all presenters must submit for review any content intended for presentation. Individuals, who refuse to disclose all financial relationships or submit presentation materials, will be disqualified from being a part of the planning and implementation of the CME activity. In addition to providing written disclosure, presenters must verbally disclose all financial relationships and verbally indicate if the content of their presentation relates to any proprietary interest, or whether it describes any off-label uses of drugs, instruments or devices, and whether drugs, instruments, or devices discussed are FDA approved prior to their presentation. Disclosure information is provided to learners via online posting, printed listing in the final program and/or accessible electronic link posted within the mobile app program.

Discrimination Policy

ASLMS does not discriminate on the basis of race, color, religion, national origin, 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, membership in the Society, 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 to registered attendees via the ASLMS mobile app 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 your computer. Attendees may choose to access the links to view handouts electronically or print materials on their own prior to the Conference. A printed/hard copy of the Conference program with limited content will be available at the Conference registration desk for registered attendees. We strongly encourage the use of the mobile app as it contains full program content.

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, the personal information you shared when registering 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, work address and telephone number. If you do not want your personal information shared, please do not allow your badge to be scanned by exhibitors. The American Society for Laser Medicine and Surgery ("ASLMS") respects the privacy of its members and other visitors to its website ("Site"). You may view our complete privacy policy on our website.

Personal Information Made Available Via Attendee Mailing Lists

Exhibitors may request either the pre- or post-conference attendee mailing list for one-time use at no charge. The lists include only the mailing address for United States attendees and international attendees that opt in during the registration process to share their mailing address. The lists do not include email addresses or phone numbers. The American Society for Laser Medicine and Surgery ("ASLMS") respects the privacy of its members and other visitors to its website ("Site"). You may view our complete privacy policy on our website. You may contact us at any time to have your information removed from the attendee mailing lists.

Internet

Free wireless internet service will be available throughout the ASLMS Conference. This service is designed for use by registered attendees for the mobile app functions 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 at information@aslms.org

Research Education Fund Ribbons and Pins

ASLMS sincerely appreciates member contributions to research. During the Conference, we acknowledge members contributing to the ASLMS Research Fund with ribbons and those contributing to the Advancement of Laser Medicine Endowment Fund with ribbons and pins.

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 all areas of the Convention Center and Exhibit Hall (including setup and dismantle of exhibits) are a smoke-free environment. Thank you for not smoking.

Responsible Drinking Policy

When alcohol is served during Conference receptions, ASLMS encourages responsible drinking. Non-alcoholic options are provided on a complementary basis and drink tickets may be required for alcoholic beverages. Alcohol is not served to anyone under age 21. Attendees may be asked to present their ID.

Childcare Services

Children under the age of 18 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 childcare services.

Press

Press materials are available to media online. Please contact Andrea Alstad, Marketing and Communications Manager, via email at andrea@aslms.org, 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; 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.
- » 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.

For more details, see aslms.org/annual-conference-2019/attend/press-credentials-and-guidelines.

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 (Pre-Test, Post-Test and CME evaluation) for the ASLMS 2019 Annual Conference is April 30, 2019.**

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).

Detailed schedules, disclosures, and CME/CE credit info are available on the ASLMS mobile app or online at aslms.org.

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: aslms2019 | **Password:** aslms2019

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 2019**, go to the **Menu** (≡) in the upper left, and select **Login**

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

Password: aslms2019 (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 2019**. Note: You must be logged to view personal content and use interactive features.

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

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

ASLMS 2021

April 21 - 25, 2021 | Orlando, Florida
Rosen Centre Hotel
Orange County Convention Center



Thomas E. Rohrer, MD
2020/21 ASLMS President



Anne M. Chapas, MD
ASLMS 2021 Co-Chair



Merete Haedersdal,
MD, PhD, DMSc
ASLMS 2021 Co-Chair



Nathan S. Uebelhoer, DO
ASLMS 2021 Co-Chair

Save the
dates!

THANK YOU!

We look forward to seeing you again at ASLMS 2020 in Phoenix, Arizona.

Upcoming Events

ASLMS 2020

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

ASLMS 2021

April 21 - April 25, 2021 | Orlando, Florida
Rosen Centre Hotel & Orange County Convention Center

ASLMS 2022

April 27 - May 1, 2022 | San Diego, California
Hilton San Diego Bayfront & San Diego Convention Center



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#ASLMS2019

