

2014 WALT - NAALT Joint Session

| TUESDAY, SEPT 9 | | SPEAKER | TOPIC | |
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| 7:30 AM | Registration/Check-In | | | |
| 8:00 AM | COURSE / WORKSHOP - I | Lars Hode Jeri-Anne Lyons, Nicollette Hourelid Praveen Arany, Michael Weber David Baxter, Jan Bjordal Juanita Anders, Jeffrey Basford | Basics of Laser Biophysics Basics of Biological Systems Basics and Application of Immunology and light therapy The Musculoskeletal System The Neural System | |
| 10:30 AM | COURSE / WORKSHOP - II | Gerry Ross, Jerry True, Scott Benjamin James Carroll, Peter Jenkins Terrance Baker, Chris Carraway Richard Godine, Narda Robinson Sharon Tilley, Ann Liebert, Roberta Chow | Laser Safety Best Practices for reporting laser studies Setting Up Laser in Your Practice Veterinarian Practices Lasers in Lymphodema Management | |
| 12:30 PM | | | | Lunch (on your own) |
| 1:00 PM | COURSE / WORKSHOP - III | Richard Felten Douglas Johnson, Ernesto Leal-Junior Rene-Jean Bensadoun, Mark Dincher Roberta Chow, Liisa Laakso Janis Eells, Patricia Trimmer | FDA Regulations Musculoskeletal Disorder Oral Mucositis & TMJ Disorders Pain Disorders Light-Biological Interactions | |
| 3:30 PM | COURSE / WORKSHOP - IV | Anita Saltmarche, Shimon Rochkind Gerry Ross, Arun Darbar, Reza Fekrazad Jerry True, Narda Robinson Steve Liu, Shahjad Anwar Michael Weber | Neurological Disorders Dentistry Osteopathy and Chiropractic Acupuncture and Pain/Stress Management Light Therapy for Allergies | |
| 6:00 PM | WELCOME RECEPTION & POSTER SESSION-I | | Hors D'ouvres, Cocktails, LIVE Entertainment | |
| WEDNESDAY, SEPT 10 | | SPEAKER | TOPIC | |
| 7:00 AM | Registration/Check-In | | | Breakfast Buffet |
| 8:00 AM | KEYNOTE ADDRESS #1 | Richard Godine, President NAALT | 670nm - a stop sign for retinal degenerations? | Welcome & Keynote Introduction |
| 8:15 AM | INVITED TALK #1 | Kristina Valtter-Kocsi Moderator: Richard Godine | Induction of Regulatory T cells by 670nm Light in a model of Autoimmunity | 40min 15min QA |
| 9:15 AM | INVITED TALK #1 | Jeri-Anne Lyons Moderator: Roberta Chow | | 40min 15min QA |
| 10:00 AM | | | | Coffee Break & Exhibits |
| 10:30 AM | THEMATIC SESSION #1 | Improving Cognitive and Physical Function with Light Therapy | Dynamic Changes of Acetylcholine Receptors (AChR) and Creatine Kinase (CK) Activity in Complete Denervated Muscle and Protective Effect of Laser Phototherapy | |
| | | Shimon Rochkind Francisco Gonzalez-Lima Nicollette Hourelid Moderator: Steve Liu | Stimulation of cognitive brain functions with transcranial near-infrared lasers and LEDs Gene Expression in Wounded and Diabetic Wounded Cell Models in Response to Irradiation at 660 nm Panel Discussion | 30min 30min 30min 30min |
| 12:00 PM | NAALT Members Meeting and Elections | | | Lunch will be served |
| 1:00 PM | ABSTRACT TALKS #1 | Moderator: Ernesto-Leal Junior & Jeri-Anne Lyons | Young Investigator Competition | |
| | | Violet Bumah Sturla Haslerud Ann Ketz Eduardo Miranda Imran Khan Ingvill Fjell Naterstad | The viability of blue light irradiated human cells The efficacy of Low Level Laser Therapy for shoulder tendinopathy: a systematic review and meta-analysis of randomized controlled trials Establishment of an effective photobiomodulation treatment protocol in an animal model of persistent neuropathic pain Acute effect of phototherapy combining super-pulsed lasers and LEDs on the isokinetic performance (strength and endurance) in patients with chronic obstructive pulmonary disease ATF-4 mediates Near-infrared Laser Phototoxicity Treating tendinopathy with low level laser therapy: a systematic review and meta-analysis | 15min + 5minQA 15min + 5minQA 15min + 5minQA 15min + 5minQA 15min + 5minQA 15min + 5minQA |
| 3:00 PM | | | | Coffee Break & Exhibits |
| 3:15 PM | ABSTRACT TALKS #2 | Moderator: Liliach Gavish Timothy Demchak Charles Phillip Gabel Sohaila Mokmeil Graham Merry Paulo de Tarso de Carvalho | Using lasers to treat fibromyalgia syndrome: Clinical case series A controlled case study investigation of the effects of low level laser therapy in the treatment of ruptured tympanic membrane The effect of low-level laser therapy (LLLT) on postoperative pain after tibial fracture surgery Photobiomodulation in Age-related macular degeneration using optical coherence tomography Effect of Low Level Laser Therapy on the expression of inflammatory mediators and on neutrophils and macrophages in acute joint inflammation | 10min + 5minQA 10min + 5minQA 10min + 5minQA 10min + 5minQA |
| 4:30 PM | THEMATIC SESSION #2 | LLLT / PBM and Stem Cells | Bone-marrow stem cells and low-level laser therapy for ischemia-reperfusion and myocardial infarction Differentiation Potential and Genetic Expression Profile of Adipose Derived Stem Cells in Response to Low Intensity Laser Irradiation Mechanisms of PBM for therapeutic application of dental stem cells Panel Discussion | 25min 25min 25min 15min |
| 6:00 PM | EXHIBITS & POSTER SESSION-II | | | |
| THURSDAY, SEPT 11 | | SPEAKER | TOPIC | |
| 7:30 AM | Registration/Check-In | | | Breakfast Buffet |
| 8:00 AM | KEYNOTE ADDRESS #2 | Liisa Laakso, President WALT | Beyond Action Potentials - Neuronal Cytoskeletal Signaling as a Mechanism for the Long-Term Effects of Low-Level Laser Therapy | Welcome & Keynote Introduction |
| 8:15 AM | INVITED TALK #2 | Roberta Chow Moderator: Liisa Laakso | Lab to Clinic to Patient - Why so slow? | 40min 15min QA |
| 9:15 AM | INVITED TALK #2 | Ron Hirschberg Moderator: Rodrigo Lopez Martens | | 40min 15min QA |
| 10:00 AM | | | | Coffee Break & Exhibits |
| 10:20 AM | THEMATIC SESSION #3 | Novel Approaches to PBM / LLLT Mechanisms | Laser acupuncture for pain management: Hope, Hope or Hokus? Neural Cytoskeletal Modulation: A signal-transduction mechanism of Low-Level Laser Therapy (LLLT) in the nervous system. Endothelial dependent stimulation of the peripheral circulation by 670 nm energy Panel Discussion | 25min 25min 25min 15min |
| 12:10 PM | WALT General Members meeting | | | Lunch will be served |
| 12:30 PM | Networking Time and DC Bus Tour | Meet in Foyer Area | Trolley Car Excursion | |
| 4:00 PM | EXHIBITS & POSTER SESSION-III | | | |
| 7:00 PM | GALA DINNER | Tiina Karu | Photobiomodulation - where we are and where we have to go | GALA Dinner |
| FRIDAY, SEPT 12 | | SPEAKER | TOPIC | |
| 7:30 AM | Registration/Check-In | | | |
| 8:00 AM | KEYNOTE ADDRESS #3 | Jan Bjordal | Current barriers for LLLT / PBM towards mainstream clinical medicine | Welcome & Keynote Introduction |
| 9:00 AM | INVITED TALK #3 | Ilko Iliev Moderator: Randolph Merrick | Impact of Critical Laser and Optical Radiation Characteristics on the Efficacy of Light-Tissue Interactions in Novel Therapeutic Technologies and Medical Devices | 40min 15min QA |
| 10:00 AM | | | | Coffee Break & Exhibits |
| 10:30 AM | THEMATIC SESSION #4 | Low dose effects in biology | Hormesis: Adaptive Responses in Biology and Medicine Low dose effects of radiation in Biology An Emerging Amnamentarium to Foretell Neurodegenerative Disorders Panel Discussion | 25min 25min 25min 15min |
| 12:00 PM | | | | Lunch (on your own) |
| 1:00 PM | ABSTRACT TALKS #3 | Moderator: Violet Bumah James Carroll Alexandra Schnee Arun Maitya Angela Maria Paiva Magri | The Roadmap for LLLT to become a Mainstream Medical Procedure A Three Year Analysis of the Effects of Low-Level Laser Therapy on Patients Suffering with Bone on Bone Osteoarthritis Knee Pain: A DETAILED ANALYSIS BY QUESTIONNAIRE Effect of low level laser therapy in the management of diabetic peripheral neuropathy Low level laser therapy and bone healing in diabetic rats: a biological evaluation using an experimental model of tibial bone defect in rats | 10min + 5minQA 10min + 5minQA 10min + 5minQA 10min + 5minQA |
| 3:00 PM | | | | Coffee Break & Exhibits |
| 3:20 PM | THEMATIC SESSION #5 | PBM / LLLT DOSE: Are we there yet? | | |
| | | Speaker: Juanita Anders Panelists: Richard Godine, James Carroll, Luis De Taboada, Janis Eells, Jan Bjordal, David Baxter, Rodrigo Martens-Lopez, Roberta Chow, Gerry Ross Moderator: Juanita Anders | | 40min 30min |
| 4:30 PM | | | | |
| 4:45 PM | | | Concluding Remarks | |
| 5:00 PM | | | Conference Closes | |