



Cutting Edge "Translational Medicine" Session

Saturday, April 2, 2011

2011 Annual Conference
Pre-Conference Courses: March 30-31, 2011
Annual Conference: April 1-3, 2011
Gaylord Texan™ Resort and Convention Center
Grapevine, TX

The Cutting Edge: "Translational Medicine" - Longhorn F

9:15 am - 10:05 am

Directors: *R. Rox Anderson, M.D., E. Duco Jansen, Ph.D.*

Faculty: *Anita Mahadevan-Jansen, Ph.D., J. Stuart Nelson, M.D., Ph.D., Claus-Peter Richter, M.D., Ph.D.*

Educational Needs

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

Participants

All attendees of the ASLMS Annual Conference.

Background Requirements

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

Instructional Content and/or Expected Learning Outcomes

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

9:15 am - 9:16 am

INTRODUCTION - *R. Rox Anderson, E. Duco Jansen*

GUIDING THERAPY WITH OPTICAL SPECTROSCOPY/IMAGING

9:17 am - 9:26 am

INTRAOPERATIVE GUIDANCE OF TUMOR/SURGICAL RESECTION

Anita Mahadevan-Jansen, Vanderbilt University, Nashville, TN

9:27 am - 9:32 am

Discussion

NOVEL THERAPEUTIC USE OF LASERS

9:33 am - 9:42 am

DEVELOPMENT OF A LASER-BASED COCHLEAR IMPLANT

Claus-Peter Richter, Northwestern University, Chicago, IL

9:43 am - 9:48 am

Discussion

TRANSLATING NEW DISCOVERIES IN TREATMENT OF VASCULAR LESIONS

9:49 am - 9:58 am

GAME CHANGING STRATEGIES FOR LASER TREATMENT OF VASCULAR SKIN LESIONS

J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA

9:59 am - 10:05 am

Discussion

Disclosures

R. Rox Anderson received royalties from Massachusetts General Hospital which owns and licenses patents on laser hair removal, fractional laser treatments, and cryolipolysis; serves on scientific advisory boards for PhotoMedex and Ulthera

E. Duco Jansen received a salary, research grant, and intellectual property rights from Vanderbilt University; research grant from NIH, DOD, HFSP, and Lockheed-Martin

Anita Mahadevan-Jansen received a salary, research grant, and intellectual property rights from Vanderbilt University; research grant from NIH and DOD

Claus-Peter Richter - No disclosure