

# Experimental and Translational Research

Sunday, April 3, 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

Experimental and Translational Research - Texas C

8:00 am - 12:00 pm

Directors: *Jennifer K. Barton, Ph.D., Bernard Choi, Ph.D.*

## IMAGE-GUIDED SURGERY

- |                   |    |   |
|-------------------|----|---|
| 8:00 am - 8:11 am | 30 | <p><b>IS EXTERNAL SKIN TEMPERATURE AN ADEQUATE MODALITY TO SAFELY MONITOR PATIENTS DURING LASER LIPOLYSIS?</b></p> <p><i>Kenneth Rothaus<sup>1</sup></i>, New York Presbyterian Hospital Weill Cornell, New York, NY</p> <p><sup>1</sup><i>Discount from Palomar</i><br/>•Content discusses non-FDA approved device or off-label use</p>  |
| 8:12 am - 8:23 am | 31 | <p><b>PREDICTION OF THE MAXIMAL SAFE LASER RADIANT EXPOSURE ON AN INDIVIDUAL PATIENT BASIS BASED ON PHOTOTHERMAL TEMPERATURE PROFILING IN HUMAN SKIN</b></p> <p><i>Boris Majaron, Luka Vidovic, Matija Milanic, Wangcun Jia, J. Stuart Nelson, Jozef Stefan Institute, Ljubljana, Slovenia, Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA</i></p> <p>•Content discusses non-FDA approved device or off-label use</p> |
| 8:24 am - 8:35 am | 32 | <p><b>A LED BASED IMAGING SYSTEM FOR OPTIMIZATION OF PHOTODYNAMIC THERAPY OF BASAL CELL CARCINOMA</b></p> <p><i>Rolf B. Saager♦, David J. Cuccia, Steven Saggese, Kristen M. Kelly, Anthony J. Durkin, Beckman Laser Institute and Medical Clinic, University of California, Modulated Imaging, Inc., Irvine, CA</i></p> <p>•Content discusses non-FDA approved device or off-label use</p>   |
| 8:36 am - 8:47 am | 33 | <p><b>REFLECTION MODALITY CONTINUOUS-WAVE TERAHERTZ IMAGER FOR CANCER DEMARCATION</b></p> <p><i>Cecil Joseph, Anna Yaroslavsky, Thomas Goyette, Robert Giles, University of Massachusetts, Lowell, MA</i></p> <p>•Content discusses non-FDA approved device or off-label use</p>  |

## CLINICAL THERAPEUTICS

- |                   |    |  |
|-------------------|----|--|
| 8:48 am - 8:59 am | 34 | <p><b>TEST METHODOLOGIES FOR ESTABLISHING SAFETY OF HOME-USE LASER BASED DEVICES</b></p> <p><i>David Sliney<sup>2</sup>, Michail Smirnov<sup>1</sup>, Stewart Wilson<sup>1</sup>, Oldrich Laznicka<sup>1</sup>, Oksana Bradley<sup>1</sup>, Felicia Whitney<sup>1</sup>, Gregory Altshuler<sup>1</sup>, Ilya Yaroslavsky<sup>1</sup></i>, Fallston, MD, Palomar Medical Technologies, Burlington, MA</p> <p><sup>1</sup><i>Salary from Palomar</i><br/><sup>2</sup><i>Travel expenses and consultant for Palomar</i><br/>•Content discusses non-FDA approved device or off-label use</p> |
|-------------------|----|--|

♦Recipient of U.S. Air Force Office of Scientific Research travel grant.

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## 2009 ASLMS STUDENT RESEARCH GRANT RECIPIENT

9:00 am - 9:11 am	35	<p><b>COMBINATION THERAPY FOR THE TREATMENT OF ERYTHEMATOTELANGIECTATIC ROSACEA</b></p> <p><i>Jane Yoo</i>➔, <i>Ryan Turner, Amy Lynne Frankel, Jinan Chaarani, Giselle Singer, Ellen Marmur</i>, Mount Sinai Medical Center, New York, NY</p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>
9:12 am - 9:23 am	36	<p><b>EFFECTS ON ADIPOCYTES AND SEPTAL FIBERS AFTER HIGH INTENSE HIGH FREQUENCY ULTRASOUND</b></p> <p><i>Afschin Fatemi</i>, S-thetic Clinic, Duesseldorf, Germany</p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>
9:24 am - 9:35 am	37	<p><b>LOW-FLUENCE 1064nm Q-SWITCHED Nd:YAG LASER</b></p> <p><i>Yuan-Hong Li, Tian-Hua Xu, Hong-Duo Chen</i>, No. 1 Hospital of China Medical University, Shenyang, China</p>
9:36 am - 9:47 am	38	<p><b>MICROSCOPIC OBSERVATION OF ULTRAPULSE-MODE vs SUPERPULSE-MODE FRACTIONAL CO<sub>2</sub> LASER ON BACK SKIN</b></p> <p><i>Yuan-Hong Li</i><sup>1</sup>, <i>Xue-Gang Xu</i><sup>1</sup>, <i>Hong-Duo Chen</i><sup>1</sup>, No. 1 Hospital of China Medical University, Shenyang, China</p> <p><sup>1</sup><i>Equipment from Lumenis</i></p>
9:48 am - 10:29 am		Break

## PRECLINICAL THERAPEUTICS II

### INVITED SPEAKER

10:30 am - 10:50 am	39	<p><b>TRANEXAMIC ACID-CONTAINING LIPOSOMES FOR ANTIFIBRINOLYTIC SITE-SPECIFIC PHARMACO-LASER THERAPY OF PORT WINE STAINS</b></p> <p><i>Michal Heger</i><sup>1</sup>, <i>Anton I.P.M. de Kroon</i>, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands, University of Utrecht, Utrecht, The Netherlands</p> <p><sup>1</sup><i>Intellectual property rights with patent filing at EPO</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>
10:51 am - 11:02 am	40	<p><b>TOWARDS ENHANCEMENT OF PDT EFFICACY IN EXTRAHEPATIC CHOLANGIOCARCINOMAS USING LIPOSOMAL PHOTSENSITIZATION</b></p> <p><i>Mans Broekgaarden, Anton I.P.M. de Kroon, J. Antoinette Killian, Thomas M. van Gulik, Michal Heger</i>, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands, Institute of Biomembranes, University of Utrecht, Utrecht, The Netherlands</p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>
11:03 am - 11:14 am	41	<p><b>IN VITRO TESTING OF DUAL-MODE THULIUM MICROSURGICAL LASER</b></p> <p><i>Matthew Keller, James Stafford, Jonathan Wells</i>, Lockheed Martin Aculight, Bothell, WA</p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>

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11:15 am - 11:26 am 42 **HYPERTHERMIA ENHANCED IMAGE GUIDED LASER-ICG THERAPY**  
*Klressa Barnes♦, Gal Shafirstein, Wolfgang Baumler, Ran Friedman, Leah Hennings, Mustafa Sarimollaoglu, Jessica Webber, Cassie Jackson, James Suen, Robert Griffin, University of Arkansas for Medical Sciences, Little Rock, AR, Regensburg University, Regensburg, Germany*  
•Content discusses non-FDA approved device or off-label use

11:27 am - 11:38 am 43 **FIBEROPTIC MICRONEEDLES FOR MICROSCALE INTERSTITIAL DELIVERY OF THERAPEUTIC LIGHT**  
*Mehmet Kosoglu♦, Robert Hood, Christopher Rylander, Virginia Tech, Blacksburg, VA*  
•Content discusses non-FDA approved device or off-label use

## LATE-BREAKING ABSTRACT

11:39 am - 11:50 am **CAN A FRACTIONAL LASER ASSIST TRANSDERMAL ABSORPTION OF LIDOCAINE IN AN *IN VIVO* ANIMAL MODEL?**  
*Georgette Oni, Spencer Brown, Jeffrey Kenkel, UT Southwestern Medical Center, Dallas, TX*  
•Content discusses non-FDA approved device or off-label use

## LATE-BREAKING ABSTRACT

11:51 am - 12:02 pm **CHARACTERIZING VARIABILITY IN RAMAN SPECTRA OF BENIGN LESIONS TOWARDS CANCER DETECTION IN SKIN**  
*Isaac Pence, Chetan Patil, Elizabeth Vargis, Alex Walsh, Matthew Keller, Harish Krishnamoorthi, Jonathan Cayce, Constantine Paras, Alex Makowski, Xiaohong Bi, Mark Mackanos, E. Duco Jansen, Darrell Ellis, Anita Mahadevan-Jansen, Vanderbilt University, Nashville, TN*  
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