

# Experimental and Translational Research

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

Experimental and Translational Research - Texas C

3:45 pm - 6:00 pm

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

## OPTICAL IMAGING

### INVITED SPEAKER

- |                   |    |   |
|-------------------|----|---|
| 3:45 pm - 4:05 pm | 20 | <p><b>REGULATORY PERSPECTIVE OF OPTICAL IMAGING DEVICES: TECHNOLOGY, INDICATIONS, AND FUTURE CHALLENGES</b></p> <p><i>Kejing Chen, Richard Felten, Long Chen, Neil Ogden, Office of Device Evaluation, Food and Drug Administration, Silver Spring, MD</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>                  |
| 4:06 pm - 4:17 pm | 21 | <p><b>IN VIVO IMAGING OF KIDNEY MICROVASCULATURE USING DOPPLER OPTICAL COHERENCE TOMOGRAPHY</b></p> <p><i>Jeremiah Wierwille♦, Peter Andrews, Maristela Onozato, Yu Chen, College Park, MD, Washington, DC</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>  |
| 4:18 pm - 4:29 pm | 22 | <p><b>MULTIMODAL OPTICAL IMAGING FOR DETECTING BREAST CANCER</b></p> <p><i>Rakesh Patel♦, Ashraf Khan, Robert Quinlan, Anna Yaroslavsky, University of Massachusetts, Lowell, MA, UMass Memorial Healthcare, Inc., Worcester, MA</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>  |
| 4:30 pm - 4:41 pm |    | <p><b>DYE-ENHANCED MULTIMODAL CONFOCAL IMAGING OF BRAIN CANCERS</b></p> <p><i>Dennis Wirth♦, Matija Snuderl, Sameer Sheth, William Curry, Anna Yaroslavsky, University of Massachusetts, Lowell, MA, Harvard Medical School, Massachusetts General Hospital, Boston, MA</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p> |

## OPTICAL DIAGNOSTICS

### INVITED SPEAKER

- |                   |    |   |
|-------------------|----|---|
| 4:42 pm - 5:02 pm | 24 | <p><b>FROM LASER TISSUE INTERACTION TO MALDI MASS SPECTROMETRY</b></p> <p><i>Franz Hillenkamp, University of Muenster, Muenster, Germany</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>  |
| 5:03 pm - 5:14 pm | 25 | <p><b>MECHANICAL TISSUE OPTICAL CLEARING TECHNIQUE INCREASES RESOLUTION AND CONTRAST OF A TARGET IMAGE BENEATH EX VIVO PORCINE SKIN</b></p> <p><i>Alondra Izquierdo-Roman♦, William Vogt, Christopher Rylander, Virginia Tech, Blacksburg, VA</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p> |
| 5:15 pm - 5:26 pm | 26 | <p><b>HIGH-RESOLUTION, THICK-TISSUE OPTICAL HISTOLOGY OF TISSUE MICROVASCULATURE</b></p> <p><i>Austin Moy♦, Bernard Choi, Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA</i></p> <p><i>•Content discusses non-FDA approved device or off-label use</i></p>                                    |

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



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|-------------------|----|---|
| 5:27 pm - 5:38 pm | 27 | <b>PHOTOACOUSTIC DETECTION OF MELANOMA AND MICROSPHERES <i>IN VITRO</i> USING A MICE MODEL</b><br><i>Sagar Gupta</i> ♦, Kirby Campbell, Adam Daily, Kiran Bhattacharya, Luis Parada, John Viator, University of Missouri, Columbia, MO<br>•Content discusses non-FDA approved device or off-label use |
| 5:39 pm - 5:50 pm | 28 | <b>MULTIDOMAIN SIMULATION OF MECHANICAL TISSUE OPTICAL CLEARING DEVICES: A PLATFORM FOR DEVICE OPTIMIZATION</b><br><i>William Vogt</i> ♦, Alondra Izquierdo-Roman, Christopher Rylander, Virginia Tech, Blacksburg, VA<br>•Content discusses non-FDA approved device or off-label use                 |
| 5:51 pm - 6:02 pm | 29 | <b>SIGNAL VARIATION OF FLUORESCEIN DYE IN ANTERIOR AND POSTERIOR CHAMBERS OF EYE</b><br><i>Raiyan Zaman</i> ♦, Henry Rylander, University of Texas at Austin, Austin, TX<br>•Content discusses non-FDA approved device or off-label use   |

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