SPIE Student Section Symposium on Medical Applications of Optics & Photonics

May 5, 2014 (Monday)

CREOL Room 102, 103

8:30 – 9:00 am  Breakfast and welcome remarks

Dr. Bahaa Saleh, dean & director of CREOL

Presentations

Chair: Dr. Aristide Dogariu, University of Central Florida

9:00 am   Harnessing Light - Advanced Photonics in Cell Biology and Photomedicine

Dr. Aristide Dogariu, CREOL, College of Optics & Photonics, UCF

9:25 am   Photoacoustic Imaging of Breast Cancer: Detection and Image-guided Surgery

Dr. Lei Xi, Department of Biomedical Engineering, University of Florida

9:50 am   Optical Approaches for Studying Amyloid Fibril Assembly Near Physiological Conditions

Dr. Martin Muschol, Department of Physics, University of South Florida

10:15 am   Optical Sensing of Molecules

Dr. Konstantin L. Vodopyanov, CREOL, College of Optics & Photonics, UCF

10:40 am   New Photonic Developments for Life Sciences Application

Mr. Alexandre Fong, Gooch & Housego (Orlando), LLC

11:00 am   Coffee Break

11:15 am – 12 pm  Panel discussion on “Future of Medical Photonics”

Moderator: Dr. Konstantin L. Vodopyanov

Panelists: Dr. Aristide Dogariu, Dr. Martin Muschol, Mr. Alexandre Fong

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