

Lester Wolfe Workshop in Laser Biomedicine

“Optics in the lower GI tract: Using light where the sun don’t shine”

Non-invasive optical diagnostics is playing an increasing role in many different organ systems and in various parts of the body. The lower GI tract and colon are particularly relevant in this regard due to the high risk posed by colon cancer. Optics are also being used to explore the basic biology and physiology of the intestine using mouse models and innovative “organ-on-a-chip” designs.

Current Diagnostic Challenges in Colonoscopy

Norman Nishioka, MD, Director of Endoscopy, Massachusetts General Hospital; Associate Professor of Medicine, Harvard Medical School

Tissue Optical Spectroscopy for Clinical Diagnostics in the Colon and Pancreas

Mary-Ann Mycek, PhD, Professor and Associate Chair for Translational Research, Department of Biomedical Engineering, College of Engineering & Medical School, University of Michigan

Optical microscopy for the studies of the murine intestine

Seok-Hyun (Andy) Yun, PhD, Associate Professor, Harvard Medical School. Massachusetts General Hospital, Wellman Center for Photomedicine

A Really Small Colon

Nancy Allbritton, MD, PhD, Professor & Chair, UNC/NCState Department of Biomedical Engineering

Tuesday, May 5, 2015, 4:00-6:00 PM
Massachusetts General Hospital
Simches Research Building, 3rd Floor, Room 3110
185 Cambridge Street, Boston, MA

Refreshments served at 3:30 PM, Room 3110

Sponsored by the MIT Laser Biomedical Research Center, MIT, MGH Wellman Center for Photomedicine, and the Harvard-MIT Division of Health Sciences and Technology