

Fall 2007 SEMINAR SERIES

F21C Bioprocessing & Biosensing Center

• DIVISION OF FOOD SYSTEMS & BIOENGINEERING •

PRESENTER:

Dr. Shuliang Jiao

Bascom Palmer Eye Institute, University of Miami
Miller School of Medicine, McKnight Vision Research Center

TITLE:

**Ophthalmic Spectral-domain Optical Coherence
Tomography**

ABSTRACT:

Optical coherence tomography (OCT) is an important biomedical imaging technology that has major applications in ophthalmology for clinical diagnosis and research. The basic principles of OCT and the specific requirements for imaging the eye will be introduced. The current status for structural and functional imaging of the eye will be discussed. High resolution images of the retina, the anterior segment, and the retinal blood flow in human and animals will be demonstrated.

BIOGRAPHY:

Shuliang Jiao received his Ph. D in photonics in 1992 in China and Ph. D in Biomedical Engineering in 2003 at Texas A&M University. He joined Bascom Palmer Eye Institute at University of Miami in 2004 as research assistant professor. His research has focused on optical coherence tomography (OCT) and polarimetry in biological tissues since 2000. Current research in his laboratory focuses on high resolution structural and functional imaging of the eye (retina and cornea) for human and small animal models of ocular diseases.

DATE • TIME • LOCATION:

Tuesday, November 27, 4:00 pm

Ag Eng Bldg 105 • Refreshments