

Leeds Precision Instruments, Inc.
Presents
An Imaging Lecture and Seminar Series
Wednesday, May 28 through Thursday, 29, 2008

This Imaging Seminar Series will provide an excellent opportunity to learn in a classroom environment from technology leaders in Digital Cameras, Deconvolution, Laser Confocal Microscopy, Spinning Disk Confocal and Pathology Imaging.

An Olympus DSU (Disk Spinning Unit) will be displayed and will be available to view individual samples. Please contact Jeff Bright at jbright@leedsmicro.com for information on reserving a time slot.

Also, there will be equipment displays including an automated Fluorescent Macro Zoom system for large specimens.

Wednesday, May 28

Lectures and Vendor Displays will be on the First Floor East Class Rooms of RCI North. There will be signs in the main hallway to direct you to the appropriate area.

Thursday, May 29

Lectures and Vendor Displays will be on the First and Second Floor Classrooms/ Lecture Halls of the Education 2 South Building. There will be signs in the main hallway to direct you to the appropriate area.

RSVP early, as class sizes are limited. RSVP with Mike Howell at mhowell@leedsmicro.com by **Tuesday, May 27**. Walkup registration will be at the door on a first come basis and there is no charge for the any of the lectures.

For any additional questions, please contact Jeff Bright at jbright@leedsmicro.com.

Leeds Precision Instruments Imaging Seminar Lecture Series

Wednesday, May 28, 2008

Lectures will be presented on the First Floor East Class Rooms of RCI North. There will be signs in the main hallway to direct you to the appropriate area.

- 9:15 to 10:00 a.m.** Spinning Disk Technology/Applications. Presented by Ian Kirk, Olympus Scientific Equipment Group
- 10:15 to 11:00 a.m.** Understanding the Advantages of Electron Multiplying CCD Technology. Presented by Chris Haig, Hamamatsu Photonics.
- 11:15 a.m. to 12:00 p.m.** Deconvolution Microscopy and the PSF. This presentation will cover practical approaches to deconvolving fluorescent images and discuss optimizing microscopy and biological systems to eliminate optical aberrations. Presented by Monica Kirk, Olympus Scientific Equipment Group
- 12:00 to 1:00 p.m.** Lunch
- 1:15 to 2:00 p.m.** The Next Steps in Pathology Imaging. Presented by Amanda Lowe, Olympus Scientific Equipment Group
- 2:15 to 3:00 p.m.** The Principles of Laser Scanning Confocal and 2 Photon Microscopy and associated applications. Presented by Angela Goodacre, Olympus Scientific Equipment Group
- 3:15 to 4:00 p.m.** Solving Research Problems. What is the correct equipment for my application? A round table discussion with microscopy experts on how to choose the right imaging systems for your application. A opportunity for attendees to get answers to complex imaging projects and how to approach them.

Leeds Precision Instruments Imaging Seminar Lecture Series

Thursday, May 29, 2008

Lectures will be given on the First and Second Floor Classrooms/ Lecture Halls of the Education 2 South Building. There will be signs in the main hallway to direct you to the appropriate area.

- 9:30 to 10:00 a.m.** Understanding the advantages of Electron Multiplying CCD Technology. Presented by Chris Haig, Hamamatsu Photonics
- 10:15 to 10:45 a.m.** The Next Steps in Pathology Imaging. Presented by Amanda Lowe, Olympus Scientific Equipment Group
- 11:00 to 11:45 a.m.** Simultaneous Multi-plane, Multi-Photon, Photon Counting/Imaging. This presentation will cover the recently published technique that enables researchers to quantitatively evaluate specimen response in two proximal planes simultaneously using two photon technologies. Jeff Squier Ph.D., Kraig Sheetz, Colorado School of Mines
- 12:00 to 1:00 p.m.** Lunch
- 1:15 to 2:00 p.m.** Deconvolution Microscopy and the PSF. This presentation will cover practical approaches to deconvolving fluorescent images and discuss optimizing microscopy and biological systems to eliminate optical aberrations. Presented by Monica Kirk, Olympus Scientific Equipment Group
- 2:15 to 3:00 p.m.** The Principles of Laser Scanning Confocal and 2 Photon Microscopy and associated applications. Presented by Angela Goodacre, Olympus Scientific Equipment Group
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Rocky Mountain Regional Neuroscience Group Meeting May 29, 2008

Education 2-600 seat Auditorium (L28-1102) and 2ND Floor Atria
Anschutz Medical Campus, University of Colorado Denver and Health Sciences Center

9:30-10:00 AM Registration and Poster Set-up

10:00-11:00

KEYNOTE LECTURE:

Wolfgang Streit, Ph.D.

Professor, Neuroscience, University of Florida College of Medicine

“Microglia in Brain Pathology: From Nerve Injury to Neurodegenerative Diseases”

11:00-11:45

TECHNOLOGY PRESENTATION, **LEEDS** – Lecture Hall (L28-1102)

Kraig Sheetz, working in the lab of Jeff Squier, PhD, Colorado School of Mines

Simultaneous Multi-plane, Multi-Photon, Photon Counting/Imaging. This presentation will cover the recently published technique that enables researchers to quantitatively evaluate specimen response in two proximal planes simultaneously using two photon technology.

11:45-12:15

LUNCH – Community Bridge (L28-2001)

12:15-2:15

POSTER SESSION and SPONSOR DEMO – Community Bridge

2:15-3:15

STUDENT/FELLOW ORAL SYMPOSIUM TALKS – Lecture Hall (L28-1102)

3:15-3:45

Break – Community Bridge (L28-2001)

3:45-4:00

AWARD CEREMONY/BUSINESS MEETING – Lecture Hall (L28-1102)

4:00-5:00

Jim Bamburg, Ph.D – Professor, Colorado State University - *Cofilin, A Protein For All Seasons. Its Role In Neuronal Development, Plasticity And Degenerative Diseases* (L28-1102)

5:00 – 6:30

RECEPTION – Community Bridge (L28-2001) **Sponsored by Spectra-Physics**

ADMISSION: Pay dues to RMRNG or FRNG.

