

REGISTRATION

The registration fee is \$995 and includes daily continental breakfast, lunch, snacks and all instructional materials.

Participants are responsible for their own reservations, arranging transportation to and from the hotel, airfare accommodations, and evening meals.

Please register at www.olympusamerica.com/stereology or contact Michelle Ellis at Michelle.Ellis@olympus.com or by phone at 1-484-896-5301.

Credit card payment in full is due within 30 days of registering. Registration will be confirmed by e-mail on a first-come, first-served basis.

LOCATION

The 2008 Olympus Stereology workshop will be held at the:

Marriott Courtyard Alexandria Pentagon South
4641 Kenmore Avenue
Alexandria, VA 22304
703-751-4510

Students should plan to arrive on Monday evening, November 10th and depart after 3pm on November 14th. A block of rooms has been reserved for all students at the Marriott Courtyard Alexandria Pentagon South at a rate of \$188/night (plus applicable taxes).

When making reservations please be sure to specify that you are part of the Olympus Stereology Workshop. Hotel Reservations must be booked by October 13, 2008.

There is a complimentary airport shuttle provided by the hotel. Please contact the hotel directly for more information on pickup times and locations. [Click here](#) for more Hotel information.



in collaboration with



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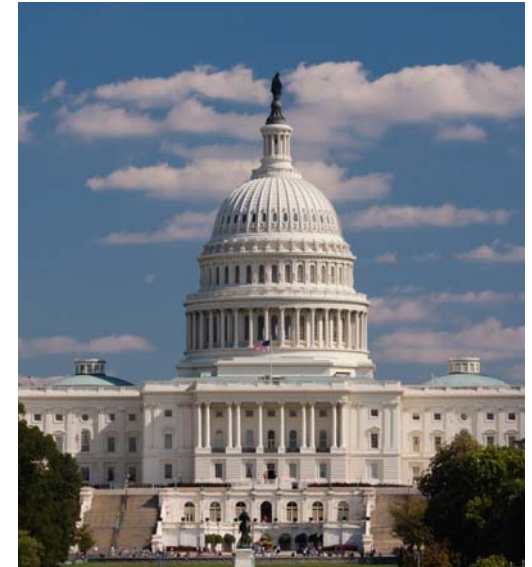
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STEREOLOGY WORKSHOP 2008

NOVEMBER 11-14, 2008

ALEXANDRIA, VA



Marriott Courtyard Alexandria
Pentagon South

4641 Kenmore Avenue

Alexandria, VA 22304

703-751-4510

OVERVIEW

The 2008 Olympus Stereology Workshop is an intensive study of the techniques and principles used in Stereology. This is a unique opportunity to interact with well-respected and knowledgeable experts in the field. In addition, we will introduce innovative estimators and methods that will dramatically improve efficiency and accuracy. Students can expect a 3 ½ day interactive workshop with time for open discussions.

There will be a newCAST™ stereology system with an Olympus microscope for students to practice different Stereology techniques. Representatives from Olympus will be present to address any questions.

WHO SHOULD ATTEND

This course is for all users or potential users of Stereology. The course is *not* exclusive to Olympus newCAST users.

This workshop is intended for students and researchers from the fields of biology and medicine, material sciences and applied statistics. It is for those interested in the theory and practice of geometric sampling and measurement of 3D structures in general. The workshop format will include lectures on theory and problem-solution exercises. Participants are invited to present questions and unresolved case studies at the beginning of the workshop. The instructors and the class will work together to develop concrete and detailed solutions to these real-life scenarios. Please bring your favorite slides, PowerPoint presentations, pictures, etc. to explain your specific application or problem area.

THE FACULTY

Hans Joergen Gundersen, M.D., Dr. of Medicine from the University of Aarhus Denmark, Professor in Stereology at the Stereological Research Laboratory at the University of Aarhus Denmark.

Bente Pakkenberg, M.D., Dr. of Medicine from the University of Copenhagen Denmark, Head of the Stereological and Neurological Research Laboratory at Bispebjerg Hospital, Copenhagen, Denmark, Professor in Stereology at the University of Aarhus Denmark, President for the ISS 1996-2000.

Jens Nyengaard, M.D., Dr. of Medicine, Professor in the Stereology and EM Research Laboratory at the University of Aarhus. President for the ISS 2008.

Lise Lyck, M.Sc., Ph.D., Senior Application Scientist at Visiopharm a/s. Experienced in practical application of Stereology in experimental neuroscience.

ADDITIONAL INFORMATION

Participants please bring a calculator with square root function and a metric ruler. All other course materials will be supplied, including a detailed workbook with instructional materials, exercises, and references.

If there are additional questions, please contact:

Michelle Ellis

Olympus America Inc.

1-484-896-5301

Michelle.Ellis@Olympus.com

COURSE OBJECTIVES

- Teach modern theory and methodology of Stereology as it applies to different applications.
- Improve the skills of experienced Stereology users as well as teach new users in the basics of Stereology.
- Create an informal learning environment for the exchange of information between faculty and students.
- Address specific problems students may have including sampling, tissue fixation issues, and experimental design, among others.



MAJOR TOPICS INCLUDE

- Optical Disector
- Physical Disector
- Cavalieri's Principle
- Cycloids/lines
- Global Spatial Sampling
- Virtual Slide-based Stereology
- New Estimators and Methods:
 - Automated Physical Disector
 - Proportionator™