

GENERAL INFORMATION:

Objectives:

- To provide researchers the opportunity to learn the theory and practice of immunogold labeling
- To permit participants to process their own Samples using these techniques under expert Guidance
- To promote technology exchange and research Collaboration

Tuition:

Regular \$750.00
Student \$700.00*

* To register as a student, a letter of student status verification by major advisor must be included.

Included:

In the course fee the following is included:
A workshop syllabus, a personal incubation protocol, reagents and solutions, lunches, coffee, tea and dinner on the first day of the course.

Lodging:

Participants are responsible for making their own Hotel reservations. The following hotel has been designated as the Host Hotel. Please make your reservations and mention you are participating in the Aurion Workshop. Code #AWSS. Cost is \$149/Night. Please make reservation prior to May 1,2009

The Marriott Residence
Residence Inn® by Marriott® New Rochelle
35 LeCount Place
New Rochelle, New York 10801
Phone: 1-914-636-7888
Fax : 1-914-636-7979

Enrollment Note

- Registration will be limited to a maximum of 20 participants.
- Aurion will provide samples to those who prefer not to bring their own.

MAIN CURRICULUM:

- The properties of gold particles and their protein conjugates.
- Theories underlying immunogold labeling protocols.
- Silver enhancement of gold particles.
- Immunogold labeling on a variety of sample preparations for LM.
- Immunogold labeling for EM
 - a. Pre-embedding immunogold labeling using ultrasmall gold conjugates and silver enhancement.
 - b. Post-embedding immunogold labeling using conventional colloidal gold conjugates and ultrasmall gold conjugates.
- Pre-/post-embedding double immunogold labeling.
- Background minimization in immunogold labeling.

Any questions or queries please just contact below.

CONTACT PERSON:

Stacie Kirsch
Electron Microscopy Sciences/Aurion
1560 Industry Road
Hatfield Pa 19440
Tel: 215-412-8402 Fax: 215-412-8450
E-Mail: stacie@ems-secure.com

REGISTRATION FORM:

_____ M / F
Name and title:

Institution:

Department:

Mailing address:

Zipcode / City:

Country:

Telephone Fax:

Email:

Will you bring your own specimen? Yes_ / No_

Signature Date

Regular \$750.00 _____
Student \$700.00 _____
Total: _____

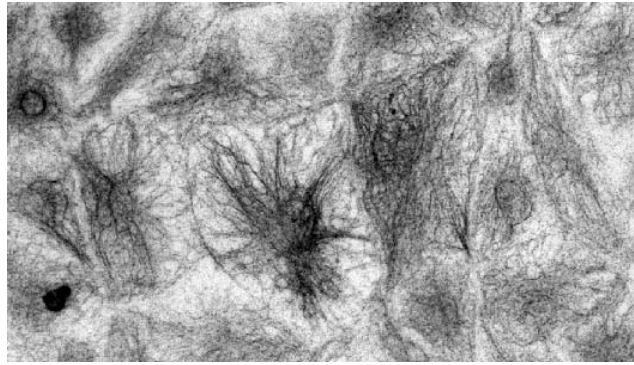
All registrations must include a check for the registration fee payable to the EMS, ref. Aurion workshop.
Return your registration to:
Stacie Kirsch
1560 Industry Road
Hatfield Pa 19440
Tel: 215-412-8402

WORKSHOP INSTRUCTOR:

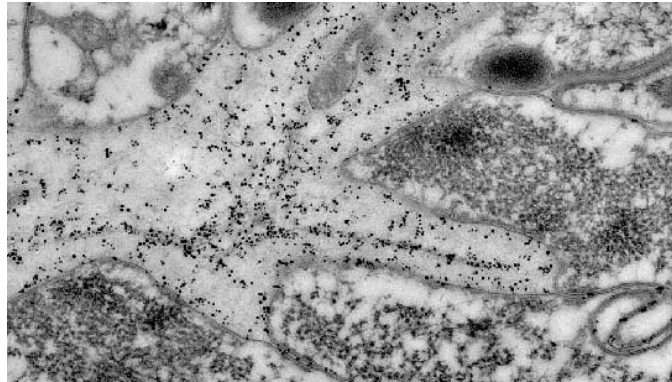
Mr. Peter van de Plas has a background in histology and immunocytochemistry and joined Aurion in 1991. During the pioneering phase of Aurion in the early nineties he worked closely together with Dr. Leunissen in founding a firm basis for Aurion. He contributed not only to the development of product applications but also in designing the Aurion Immunogold Silver Staining workshop. He has been invited to many international microscopy conferences and workshops and is especially experienced in providing hands-on training. Former workshop attendees and customers appreciate Peter for his Technical support on and his thorough knowledge of the immunogold silver staining techniques. The Aurion immunogold workshops in Europe, Asia, Australia and the USA have all been fully attended and were very well received.

TECHNICAL COORDINATOR:

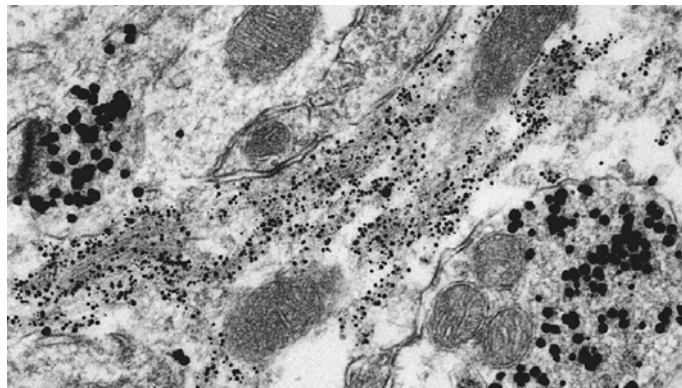
Mr. Frank Macaluso is the Administrative Director and Director of Electron Microscopy of the Analytical Imaging Facility. He is an expert in the application of electron microscopy in biomedical research. His broad base experience in microscopy includes expertise in ultrathin sectioning, negative staining, freeze-fracture, immunogold labeling, high pressure freezing and quick freeze deep etch techniques. Mr. Macaluso plays an important role in the experimental design of the electron microscopy component of many projects. He has over thirty years of experience in the successful operation of a multi-user shared resource facility. He is responsible for routine operation, staff supervision, maintenance, scheduling and training. Mr. Macaluso has established the cryoTEM laboratory within the facility and made the application of this technology generally available to all Einstein investigators.



Pre-embedding labeling of vimentin in cultured microvascular endothelial cells using ultrasmall gold conjugate and silver enhancement. H. Yi



Post-embedding labeling of G12 in the symbiosome membrane using ultrasmall gold conjugate and silver enhancement. T. Wakefield and H. Yi

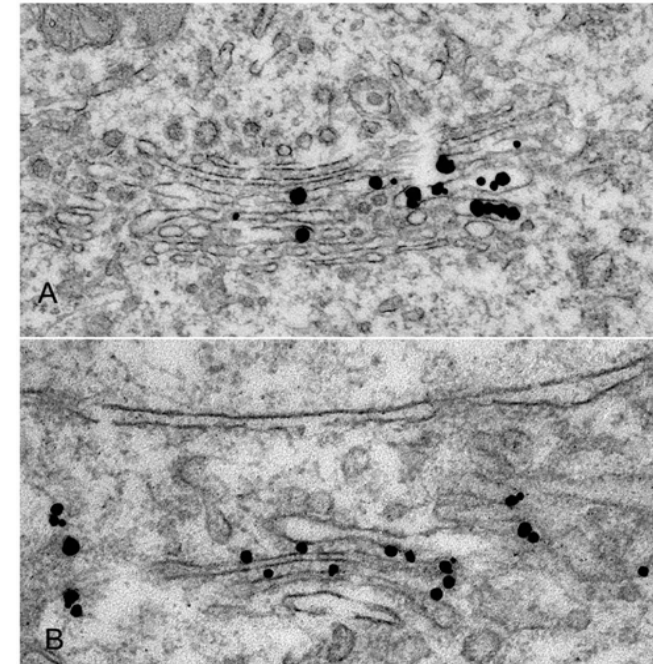


Pre-embedding double labeling of GFAP (small particles) and synaptophysin (large particles) in brain tissue using two ultrasmall gold conjugates and silver enhancement. H. Yi

**Aurion and Electron Microscopy Sciences
Announce the Spring East Coast Workshop**

The Aurion Immuno Gold Silver Staining Workshop

to be held at the
Albert Einstein College of
Medicine on
May 18-21, 2009



Pre-embedding labeling of MGP-160 (A) and HIPI protein (B) in brain tissue using ultrasmall gold conjugates and silver enhancement. Note the localization of the gold particles in the inner and outer surface of golgi membrane. H. Yi