

Why take this course?

- Have a full 8 days to process samples start to finish.
- Work with leading authorities in cryopreparation methods, immunolabeling techniques, and cellular tomography.
- Have access to the most recently developed techniques and equipment.
- Evaluate equipment for possible purchase.
- Obtain preliminary data for grant applications.
- Learn the basics of cellular tomography, one of the most exciting new developments in EM.

Who should attend?

This is a course for biological research scientists who already have EM experience, but who want to extend their skills to include techniques that will give them the best available preservation of cell ultrastructure and antigenicity. It is especially suitable for biological EM laboratory managers who can pass on the course information to their staff and users.

The Course Website:

As the course details expand, new information will be posted on the course website at:

www.marinereef.com

As link develops, it will contain the day-by-day schedule of lectures and lab activities, faculty information, a course brochure, and manufacturer information.

The Faculty *

Kent McDonald - University of California, Berkeley

Paul Webster - House Ear Institute, Los Angeles, CA

Eileen O'Toole - University of Colorado, Boulder

Paul DeGeorge - Marine Reef Int'l., Inc.

Johnny Hagen - Technotrade, Int'l.

More faculty being added....stay tuned!

The Manufacturers and Equipment *

HITACHI - Host facility and allowing use of H7650 TEM and S4800 SEM.

LEICA MICROSYSTEMS - EM PACT 2 high pressure freezer, AFS2 freeze substitution device, UC7/FC7 cryo-ultramicrotome, the EM IGL automated immunogold labeling system and KMR2 knifemakers, VCT cryo-transfer system, EM GP Automated Grid Plunging System.

ELECTRON MICROSCOPY SCIENCES - Generous contributors of lab supplies and course immuno reagents, and the exclusive distributor of **Aurion**.

DIATOME U.S. - Suppliers of quality diamond knives.

GATAN - Alto 2500 Cryotransfer for SEM

MARINE REEF INT'L - Distributor of Leica EM Sample Prep instruments and Hitachi Tabletop SEM. Manufacturer of EM sample prep accessories and consumables and SEM stages.

TECHNOTRADE, INT'L. - U.S. representative for the Wohlwend HPF 01 high pressure freezer.

AURION - Quality immunogold and related reagents for immunolabeling applications.

(* Subject to changes, especially additions of faculty and vendors)

Enrollment will be limited to the **first 12 paid participants**.

Application forms and other course information can be downloaded from www.marinereef.com. You may also use the Quick Registration Form on the back of this brochure to register any time. **Register early to ensure a place in the course!**

Tuition for the 8-day course will be \$2,100.00 US and application forms and payment are due by Jan 30th, 2010. Fee includes all lab fees, breakfast and lunches, a banquet dinner and much more! For payment details contact Paul DeGeorge, Marine Reef International, Inc., 1048 Irvine Ave. Suite 634, Newport Beach, CA 92660 Phone: 949-723-0283; FAX: 949-266-5672; email: pdegeorge@marinereef.com. Visa/MC Accepted.

Accommodations are not included with the tuition. Housing info. is available on the course website www.marinereef.com.