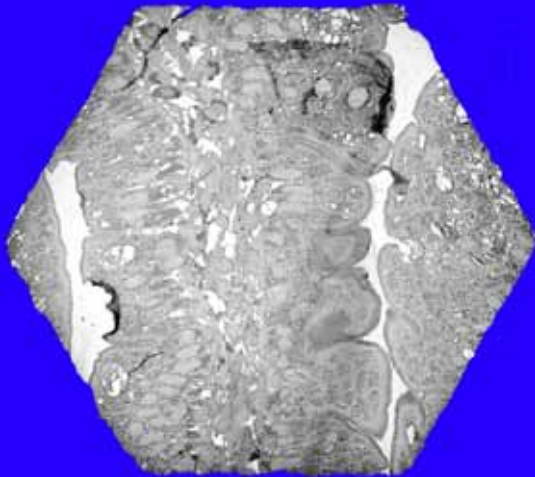


Workshop
Cryomethods,
Ultramicrotomy
and
Immunolabeling



Cell Microscopy Center
Utrecht, The Netherlands.

Leica

MICROSYSTEMS

July 2 - July 11, 2008

The workshop on Cryomethods, Ultracryotomy and Immunolabeling will be organized in our laboratory from July 2-July 11, 2008 in collaboration with Leica Microsystems, Vienna.

The 10 days program of the course will start with a 1½ day optional part for participants who have no experience with standard EM techniques and will deal with the preparation of semi and ultrathin sections of resin embedded material. The actual cryo-workshop will be given for 16 students. It starts with an introduction to cryo-techniques on the third course day. Lectures by experts in the field will be given about high pressure freezing, freeze substitution and the Tokuyasu technique. Training in ultracryotomy and immunolabeling will be the major issue. Under guidance of the skilled staff of the Utrecht Cell Microscopy Center, the complete Tokuyasu technique, including the latest modifications introduced in Utrecht, will be practiced on days 4 till 10. The fine details of the technique are practiced in the lab, where most of time will be spent. Biological samples and immuno-reagents will be available, but students can also bring their own specimens and antibodies for sectioning and labeling during one of the later days. The Utrecht staff may be consulted for fixation of such material.

In the course fee of 1500 Euro the 1½ day at the beginning are included. Those who do not attend the prologue can start the on day 3 and pay a fee of 1250 Euro. The course language is English. Since the order of receipt of applications plays a role in the selection of participants we recommend that you contact us at your earliest convenience.

Available equipment: 3 x Reichert Ultracut E, 3x Leica Ultracut S/ with cryo-attachment, 2x Leica Ultracut T with cryo-attachment, 2x Leica UC6/FC6 , Leica EM pact, Leica AFS. Leica IGL. JEOL electron microscopes, 2 FEI electron microscopes equipped for tomography and supporting equipment

A registration form can be obtained from M.A.Bleeker@umcutrecht.nl

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