Advanced Histology and immunolabeling for paraffin and cryo-embedding and non-embedded cell cultures

Organizers: PD Dr. Fabian Blank, Carlos Wotzkow, Selina Steiner
Date: 12-16.11.2018
Location: LCI Core Facility, DBMR, Murtenstrasse 35/50
Content: Teaching of basic and advanced techniques for histology
Duration: 5 days
ECTS: 2.5
Exam: Poster, oral presentation or written exam

Topics to be addressed:

1. Sample preparations
   - Collection
   - Fixation
   - Embedding
   - Sectioning
   - Antigen Retrievals
   - Controls

2. Labelling procedures
   - Up to 11 different procedures for antigen retrieval (on sample’s demand)
   - Direct and indirect labeling of antigens (AB’s of interest provided by the students)
   - Counterstain, mounting, and storage procedures (customized)

3. Specials
   - Visualization at conventional bright field, Fluorescence and laser microscopy
   - Optimization of protocols and result analysis
   - Poster preparation and individual evaluation
Prerequisites:

**MSc Students** should have assisted to the “Cutting Edge Microscopy” lectures.  
**PhD Students**: basic knowledge in light microscopy (in particular light microscopy)

**Course fee**: CHF 500.00; the costs for GCB-PhD students are covered by the Cutting-Edge Microscopy PhD program.

**Important**: This course is fully personalized upon student matriculation so it will require candidates to contact us no later than 2 weeks before the chosen date. All participants should provide a brief outline of their needs and current issues they have with histology in their particular projects.