Method Course on Immunohistochemistry and Digital Microscopy (1 ECTS)
September 22-23, 2015, Oulu, Kontinkangas, Aapistie 5A, 90220 Oulu

The course includes short lectures on each step of the immunohistochemistry protocol. Additionally, you get to experience hands-on the micropolymer detection method with human tissue samples. Micropolymer detection enables superior sensitivity and reduced background staining compared to the traditional avidin-biotin-based detection. In the course, we will this time perform simultaneous chromogenic multiplex staining on a paraffin section. Is it as easy as doing a single stain? Come and see!

The 1-day practical course is preceded by a lecture on digital microscopy. Registration is required.

Note: The course organisers will provide enough slides for all participants, but also own slides can be used, if they are prepared from human tissue. All course participants will use the same antibody provided by the teachers, which has not yet been tested for tissues from other species.

Tuesday, 22nd of September, Biocenter Oulu meeting room 487B
14.00-16.00 Lecture on digital microscopy. Open to everyone interested, registration required.

Wednesday 23rd of September, Biocenter Oulu histology lab 479B
9.00 – 10.00 Introduction (lecture)
- Welcoming to the course
- IHC in general
- Deparaffinization / Rehydration, pretreatments
- Blocking
10.00 - 10.30 Labwork: Deparaffinization, rehydration, pretreatments
10.30 – 11.15 Antibodies (lecture)
11.15 – 11.45 Labwork: Put slides in TBS and dilute the primary antibody(ies)
11.45 – 12.30 Lunch break
12.30 – 13.00 Labwork: Blocking and applying the primary antibody
13.00 – 13.30 Detection (lecture)
13.30 – 13.45 Labwork: Applying the polymer
13.45 – 14.00 Chromogens, counterstaining, mounting (lecture)
14.00 – 14.15 15 min break
14.15 – 14.45 Labwork: Applying the chromogen, counterstaining and mounting
14.45 – 15.45 Good staining? Possible error sources, discussion and wrap-up of the course

Speakers: Product Specialist Mikko Myllynen and Sales Manager Jonas Falgen from Histolab Products AB
Organizers: Biocenter Oulu Doctoral Programme, Biocenter Oulu Transgenic Mouse Core Facility, and Histolab Products AB
Credits: 1 ECTS for the full programme, including the digital microscopy on Sept 22 lecture and the full day programme on Sept 23
Enquiries: Dr. Reetta Vuolteenaho, reetta.vuolteenaho(at)oulu.fi
Registration: The course is limited to about 12 participants selected by application, but the lecture on Sept 22 is open for everyone interested. Online registration, deadline September 1.

Apply online here: https://www.webropolsurveys.com/S/9DCD75047E01BA88.par