Method Course on Immunohistochemistry and Digital Microscopy (1 ECTS)
October 28-29, 2014, 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 your own slides and primary antibodies. Micropolymer detection enables superior sensitivity and reduced background staining compared to the traditional avidin-biotin-based detection. Micropolymer detection is a gold standard in clinical diagnostics. Can your IHC protocol be performed in only one day? Come and see!

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

Tuesday, 28th of October, Biocenter Oulu meeting room 487B
14.00-16.00 Lecture on digital microscopy. Open to everyone interested, registration required.

Wednesday 29th of October, Biocenter Oulu histology lab 479B
9.00 – 10.00 Introduction
- Welcoming to the course
- IHC in general
- Deparaffinization / Rehydration, pretreatments
- Blocking
10.00 - 10.30 Labwork: Deparaffinization, rehydration, pretreatments
10.30 – 11.15 Antibodies
11.15 – 11.45 Labwork: Put slides in TBS and dilute your 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
13.30 – 13.45 Labwork: Applying the polymer
13.45 – 14.00 Chromogens, counterstaining, mounting
14.00 – 14.15 15 min break
14.15 – 14.45 Applying the chromogen, counterstaining and mounting
14.45 – 15.45 Good staining? Possible error sources, discussion and wrap-up of the course

Each student should bring 3-4 of their own slides (prepared from mouse tissues) and also bring one own primary antibody (produced in mouse or rabbit). Please bring your slides to the lab in the afternoon on the previous day at latest.

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 lecture and the lab work
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 Oct 28th is open for everyone interested. Online registration, deadline October 13th.

Apply online here: https://www.webropolsurveys.com/S/F79CEA30353A9DC2.par