

TISSUE ANALYSIS COURSE

March 17-23, 2023

for doctoral students, 3 ECTS

Topics

- Mouse as a model organism
- Mouse dissection and sample collection
- Sample preparation for different purposes (histology, cryo, TEM)
- Sectioning of paraffin embedded and cryo samples
- Principles of common histological staining methods
- Immunohistochemistry and in situ hybridization
- Primary tissue structures in histology
- Introduction to pathology laboratory
- Possibilities in utilizing Biobank samples in research
- Automated staining of histological slides
- Microscopy and digitalization of slides
- Basic image analysis
- Introduction to QuPath and Visioparm image analysis softwares

Course consists of lectures, practical exercises, demos and independent work

Maximum 12 Participants

Registration via Peppi

Organized by Health and Biosciences Doctoral Programme, Biocenter Oulu, Biobank Borealis of Northern Finland and Research Units of Translational Medicine and Clinical Medicine