Vascular Cell Biology – Practical Course
CTS/KSL 103079

Dates: Spring: May 6th to 10th, 2019
Time: whole days (one week)
Organizers/Tutors: Prof. Dr. Britta Engelhardt, Dr. Urban Deutsch, PD Dr. Ruth Lyck, Dr. Steven Prolux
Venue: Theodor Kocher Institute, Freiestrasse 1, 3012 Bern

Course Description:
- Isolation and primary culture of blood and lymphatic vessel endothelial cells
- Phenotypic characterization of primary endothelial—purity etc. – immunofluorescence stainings and analysis by fluorescence microscopy and flow cytometry
- Functional alterations of endothelial cells in inflammation: phenotype, permeability, adhesiveness for blood components in vitro and in vivo
- Analysis of vascular development in transgenic mice

Limitations: 6-8 students (with waiting list)
Priority will be given to those students who have selected this course in agreement with their mentor, within the framework of the GCB and have listed it as «mandatory requirement» in their Doctoral Agreement

Credits: 2.0 ECTS
Registration: via CTS/KSL, root no. 103079 (with waiting list)
Registration open from: December 2018
Deadline for registration: Wednesday, April 3rd, 2019
Exam: Oral discussion on last day and written report