



REN^{PRO} Method Course: (Quantitative) Immunofluorescence microscopy and tissue cryoconservation

Date: November 5 - 6, 2024
Place: Universität Regensburg, Institut für Physiologie, Universitätsstr. 31,
D-93053 Regensburg
Target group: PhD students of the TRR 374,
open for medical doctoral students, PostDocs and Clinician Scientists in the
TRR 374, and for interested doctoral students (via the graduate schools)
Course instructors: Anna-Lena Forst, Allein Plain, Richard Warth
Credit Points: Full participation can be counted as a method course with 0.6 CPs within
the Curriculum of the Graduate Schools (RIGel, BioMediGS, life@FAU)

Registration and contact: michaela.kritzenberger@ur.de
Registration of TRR members requested by October 15, 2024
Registration for those interested via the graduate schools: October 16 - 23

Maximum number of participants: 10 (first come first serve)

We encourage you to contact the course instructors Dr. Forst (anna-lena.forst@ur.de) or Dr. Plain (allen.plain@ur.de) before the start of the course should you wish to address a specific research question during this course. For example, if you have antibodies that you would like to test on cryosections or if you want to test cryosections of a different organ (besides the kidney).

Contents & Schedule:

Day 1: Tuesday, November 5, 2024		
Timeslot		Room
8.30 - 11.45h	Introduction to Immunofluorescence and tissue cryoconservations	Seminarraum VKL4.1.29
12.00 - 13.00h	Lunch and discussion	Unikat
13.00 - 14.30h	Practical Part I: Cutting tissues with cryostat	VKL4.2.20
14.30 - 15.00h	Coffee break	
15.00 - 17.00h	Practical part II: Immunofluorescence staining part I	VKL4.1.06

Day 2: Wednesday, November 6, 2024		
Timeslot		Room
8.30 - 10.30h	Practical part II: Immunofluorescence staining part II AND Theory on (quantitative) fluorescence microscopy	VKL4.1.06 AND Seminarraum VKL4.1.29
10.30 - 12.00h	Practical part: Fluorescence microscopy part I (Epifluorescence and confocal imaging)	VKL4.2.14 AND VKL4.1.15
12.00 - 13.00h	Lunch and discussion	
13.00 - 15.00h	Practical part: Fluorescence microscopy part II (Epifluorescence and confocal imaging)	VKL4.2.14 AND VKL4.1.15
15.00 - 15.30h	Coffee break	
15.30 - 17.00h	Practical part: (Quantitative) image analysis	Seminarraum VKL4.1.29