Bioimage Analysis for Quantitative Microscopy

Course program
30.9-4.10.2024

Trainers:
Hanna Grobe
Elnaz Fazeli
Joanna Pylvänäinen
Sujan Ghimire
Stéphane Rigaud

*open to all interested

Locations:
Auditorium Biokemi, Biocity 2nd floor
Auditorium Biologi, Biocity 3rd floor
Putous Auditorium, Joki conference center

	Mon	Tue	Wed	Thu	Fri
9-10.00	**Intro + Fiji Basics** Hanna Grobe	**DL lecture** Joanna Pylvänäinen	**QuPath** Stéphane Rigaud	**TrackMate + CellTracks Colab lecture** Joanna Pylvänäinen	
10.00-10:15					**Presentation: TBI image data team** Pasi Kankaanpää
10-15-10.30	*break*	*break*	*break*	*break*	**Project presentations**
10.30-11.45	**Fiji Basics** Hanna Grobe	**DL demo annotation and training** Sujan Ghimire	**QuPath** Stéphane Rigaud	**Cell tracking with TrackMate** Joanna Pylvänäinen	
12-13	*Lunch (at own cost)*	*Lunch (at own cost)*	*Lunch (at own cost)*	*Lunch (at own cost)*	*Lunch (at own cost)*
13.00-13.15	**Presentation: Euro-BioImaging** Jiri Funda, Susanne Vainio	**Science talk *: Deep Learning in Microscopy** Guillaume Jacquemet	**Science talk *: Deep Learning in Histopathology** Pekka Ruusuvuori	**Keynote talk *: How to not lie with charts - better data visualisations for life sciences** Helena Jambor	**Science talk *: Next-generation file formats, version control, and publishing your data** Junel Solis
13.15-14	**Fiji Macros** Elnaz Fazeli				
14.14-15.15		**DL demo quality control** Joanna Pylvänäinen	**QuPath** Stéphane Rigaud	**Track Analysis using CellTracksColab** Hanna Grobe	**Work with your own data**
15.15-15.30	*break*	*break*	*break*	*break*	*break*
15.30-16.45	**Fiji Macros** Elnaz Fazeli	**DL demo apply to own data** Joanna Pylvänäinen	**QuPath** Stéphane Rigaud	**GPU accelerated Fiji image processing** Stéphane Rigaud	**Work with your own data** Goodbye and farewell
17.00-21.00				**Course dinner in Mauno**	