



OIC Course Functional Imaging and Super Resolution Rotterdam, November 5-9, 2018

5 day program, 5 morning lecture sessions, 4 afternoon practical sessions and on Friday afternoon a session dedicated to participants presentations of results acquired during the practical sessions. The course will give an overview and increase your knowledge of the rapidly developing advanced imaging methods and how they can support you during your research. An important part is the practical work in which you get the opportunity for real hands-on experience. No prior knowledge is expected, although some basic fluorescent imaging experience will be helpful. The course is intended for PhD students and post-docs and others who need more background in advanced fluorescent imaging and data analysis.

Lecture Topics

Confocal Microscopy & Live Cell Imaging
FRET, FRAP, TIRF, FLIM
Super resolution (SIM, 4Pi, PALM/STORM, Rescan)
Deconvolution, Image Analysis
Fluorescent Proteins
Biological Applications

Hands-on Practical Work

Introduction to Confocal Microscopy,
Time Lapse Imaging,
FRAP
Super resolution Imaging (SIM, PALM/STORM/Localisation Mic., Rescan)
Data Analysis
Data Presentation

Organizers: Gert-Jan Kremers, Adriaan Houtsmuller and Gert van Cappellen

Information

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Registration: <https://www.erasmusmc.nl/oic/TRED/PhDOICRegistration>

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