

OIC Master course Optical Imaging (Live cell microscopy)

Rotterdam, October 15-19, 2018

This course will be organised by the Erasmus Optical Imaging Centre (OIC) in collaboration with the Infection & Immunity, Neuroscience and Molecular Medicine research master schools.

The course is aimed to the master students of Infection & Immunity, Neuroscience and Molecular Medicine research master schools (ECTS 1.7-2).

The program will consist of a one week course with lectures in the morning and real hands on practical sessions in the afternoon. The practical exercises at the confocal microscopes will be done in small groups of max 5 participants.

Topics:

Basal microscopy
Confocal microscopy
GFP and live cell imaging
Fluorescent recovery after photo bleaching (FRAP)
Fluorescent resonance energy transfer (FRET)
Super resolution (SIM/STED, single molecule localization (PALM/STORM))
Image analysis

The course will be concluded with groups of students giving a presentation of the results from one of the course topics.

Registration can be done with your own research school (preferred) or by sending an email to [Gert van Cappellen \(w.vancappellen@erasmusmc.nl\)](mailto:w.vancappellen@erasmusmc.nl) with your name and masterschool. The maximum number of participants is 25

The program will follow the outlines of last year.

Organisers: Laurens Bosman, Gerard Borst, Gert-Jan Kremers, Adriaan Houtsmuller and [Gert van Cappellen \(w.vancappellen@erasmusmc.nl\)](mailto:w.vancappellen@erasmusmc.nl)

