

MGC Technology facility course 2022 – Lecture room J1-116, LUMC building 1

April 8: Imaging

Morning: Cellular imaging (9:30 – 12:00)

Organizers:

Lennard Voortman (CCB, LUMC) and Sylvia le Devedec (LACDR, UL)

9:30 – 10:10	Lennard Voortman (LUMC)	Live cell fluorescence imaging and Quantitative fluorescence methods - who/what/where: LUMC Light and Electron Microscopy Facility
10:10 – 10:50	Gert-Jan Kremers (Erasmus MC)	Super Resolution who/what/where: Erasmus Optical Imaging Centre
(short break)		
11:00 – 11:40	Sylvia le Devedec (UL)	High content screening who/what/where: Leiden Cell Observatory
11:40 – 12:00	Roman Koning (LUMC)	Electron microscopy

Afternoon: in vivo imaging (13:30 – 16:00)

Organizer:

Louise van der Weerd and Ernst Suidgeest (Radiology, LUMC)

13:30-13:55	Louise vd Weerd	Introduction to small animal MRI, including MRI, CT, PET & SPECT
13:55-14:20	Timo Schoman	Introduction to optical imaging, US and photoacoustic imaging
14:20-14:40	Laila Ritsma	In vivo multi-photon microscopy
(short break)		
15:00-15:20	Margeet de Vries	Ultrasound and photoacoustic imaging
15:20-15:35	Tineke Coenen	LUMC animal center, imaging, experimental services – who/what/where
15:35-15:50	Joost Haeck	Applied Molecular Imaging Erasmus facilities – who/what/where