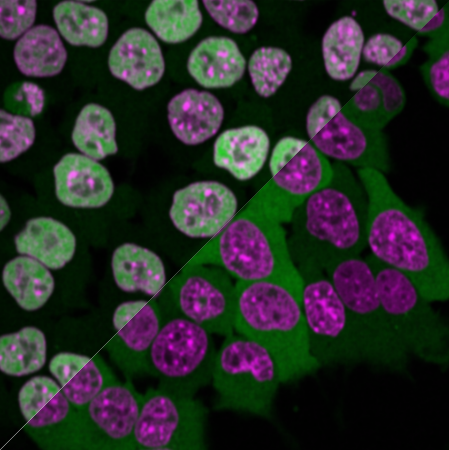




Workshop Optogenetics

location: Erasmus MC, Rotterdam
when: October 1, 2026
time: 10:00-17:00

Topics: From optogenetic switch development to spatio-temporal control of cellular processes on a microscope

Goals of the workshop:

- Gain insight into various optogenetic switches that enable precise spatiotemporal control of biological processes e.g. signaling/ transcription/ cytoskeleton dynamics/ intracellular transport
 - Learn how to construct new opto-switches for your own research questions
 - Learn how to perform optogenetic manipulation on various microscopes
- (This workshop will not broadly cover channelrhodopsins and control of neuronal activity)

Program:

- Lectures on the basics of optogenetics, and advanced optogenetic cell control (including feedback control) by the following speakers:
Joachim Goedhart (UVA), Alfredo Rates (UU), Wilco Nijenhuis (UU), Jeffrey van Haren (Erasmus MC)
- Hands-on practical sessions to learn the ins and outs of optogenetic cell control

For whom: Researchers in Cell/Tissue Biology, Developmental biology, Biophysics, Biochemistry, Neuroscience, Tissue engineering, Advanced Imaging

Register here* :

<https://erasmusoic.nl/optogenetics>

*Max 20 participants

or
scan QR code
to register →

