

FEBS Advanced Course

Functional imaging of cellular signals

11 - 16 June 2017

van Leeuwenhoek Centre for Advanced Microscopy
Amsterdam, The Netherlands



The ability of cells to perceive and correctly respond to their environment is the basis of development, tissue repair and immunity as well as normal tissue homeostasis. Errors in cell signalling are responsible for many diseases. In order to understand cell signalling, microscopic techniques can be used to elucidate signal complex composition, organization and dynamics. This practical advanced course will provide participants the theoretical background and give hands-on experience of state-of-the-art microscopy techniques under guidance of experts in the field.



Speakers

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Covered techniques

Confocal microscopy
Total internal reflection microscopy
Spinning disk microscopy
Fluorescent protein development
Biosensor development
Fluorescence fluctuation spectroscopy
Fluorescence recovery after photobleaching
Förster resonance energy transfer
Fluorescence lifetime microscopy

Location:

Amsterdam University
Amsterdam
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Information & registration:

www.microscopycourse.nl
application deadline: 15th March 2017

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