

In the footsteps of Antonie van Leeuwenhoek

&

EuroMEMBRANE
advanced practical course

Zooming in on plasmamembrane dynamics with Advanced Light Microscopy

11- 15 June 2012

van Leeuwenhoek Centre for Advanced Microscopy
Amsterdam, The Netherlands

Recent technical developments have sparked a new wave of interest in the field of membrane research. Microscopic techniques can be used to elucidate membrane composition, organization and dynamics, as this reflects the functions of cells and their organelles, transport of membranes, transport across membranes and signaling in living cells. This practical advanced course will provide theoretical background, applications and hands-on experience of state-of-the-art (membrane) microscopy techniques.

Confirmed speakers

Carsten Schulz
EMBL Heidelberg
Germany

Paul Wiseman
McGill University
Canada

Vladislav Verkusha
Albert Einstein College
USA

Adriaan Houtsmuller
Erasmus MC
the Netherlands

Tamas Balla
NICHD
USA

Kees Jalink
Netherlands Cancer Institute
the Netherlands

Erik Manders
Amsterdam University
the Netherlands

Dorus Gadella
Amsterdam University
the Netherlands

Eric Reits
Amsterdam Medical Centre
the Netherlands

Covered techniques

Confocal microscopy
Total internal reflection microscopy
Fluorescent protein development
Sensor development
Image correlation spectroscopy
Fluorescence recovery after photobleaching
Förster resonance energy transfer
Fluorescence lifetime microscopy
Super-resolution microscopy

ONLINE REGISTRATION ONLY

www.microscopycourse.nl

Registration:
Deadline May 20th 2012

Contact:
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This advanced practical course is supported by the
European Science Foundation under the
EUROCORES programme EuroMEMBRANE

