

INSTITUT D'ETUDES SCIENTIFIQUES DE CARGESE

Cargèse International School 2019

Molecular Organisation, Dynamics and Function of Biomembranes

June 11 - 18, 2019

Web site

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Biological membranes are very complex structures that vary considerably in composition depending on their function(s) and location. Multi-disciplinary approaches are vital to understanding the compositional, structural and functional complexity of membrane biogenesis and function. Detailed insights into the pathways and mechanisms leading to the assembly and proper functioning of membranes require co-operative research efforts of biochemists, biophysicists, structural biologists, and molecular- and cell biologists.

Students, postdoctoral fellows and junior scientists often find it hard to grasp and apply this mixture of approaches without a broad overview of the field. This Advanced Course is an excellent platform and opportunity to acquire an integrated overview of the structure, function and biogenesis of biological membranes and their components, to gain more insight in the possibilities offered by different disciplines, and to discuss with experts in the field and learn about the multiple approaches, techniques and specialties in membrane research.

Main topics will include

- * Membrane Biogenesis
- * Lipid Signalling
- * Lipid Transport
- * Organelle Shaping
- * Fusion & Fission
- * Quality Control
- * Protein Folding, Insertion and Translocation
- * Membrane Biophysics

Eminent scientists in the field will animate the school/workshop. These include:

PVytautas Bankaitis (US), Patricia Bassareau (FR), Eefjan Breukink (NL), Pedro Carvalho (UK), Pascale Cossart (FR), Ana García-Sáez (DE), Todd Graham (US), Ulrich Hartl (DE), Manajit Hayer-Hartl (DE), Tom Kirchhausen (US), Thomas Lemberger (DE), Gerrit van Meer (NL), Tom Rapoport (US), Maya Schuldiner (IL), Klaus Pfanner (DE), Liesbeth Veenho (NL), Bill Wickner (US)

Special Lectures and Sessions:

Round-table and Mentoring Sessions by all lecturers
Science and Society-session: Gerrit van Meer

Organization Committee

Eefjan Breukink & Gerrit van Meer (Utrecht University, NL), Pascale Cossart (Institut Pasteur, FR), Ulrich Hartl (Max Planck Institute, DE), Tom Rapoport (Harvard Med, USA), Bill Wickner (Dartmouth College, US)

Application and registration

web.science.uu.nl/cargese/2019/
Contact : science.secr.mbb@uu.nl
Deadline : April 13, 2019
Course Fee : € 725

