

INSTITUT D'ETUDES SCIENTIFIQUES DE CARGÈSE

Cargèse International School 2019

Molecular Organization, Dynamics and Function of Biomembranes

June: Tuesday 11 - Wednesday 19, 2019

Website

Eefjan BREUKINK
Utrecht University NL

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Biological membranes are very complex structures that vary considerably in composition depending on their function(s) and location. Multidisciplinary approaches are vital to understand 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 a challenge 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. You can gain more insight in the possibilities offered by different disciplines, and you can discuss with experts in the field and learn about the multiple approaches, techniques and specialties in membrane research.

Main topics include:

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

Eminent scientists in the field will lecture and mentor the course:

Vytas Bankaitis (US), Patricia Bassereau (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 Lembergen (DE), Gerrit van Meer (NL), Nikolaus Pfanner (DE), Tom Rapoport (US), Maya Schuldiner (IL), Liesbeth Veenhoff (NL), Bill Wickner (US)

Special lectures and sessions:

- * Round-table and Mentoring Sessions by all lecturers
- * EMBO Science Policy Lecture: Gerrit van Meer
- * EMBO Keynote Lecture: Tom Rapoport

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:

Website : web.science.uu.nl/cargese/2019

Contact : science.secr.mbb@uu.nl

Deadline : April 13, 2019

Course Fee : €725

