

Program - Advanced Lecture Course

Molecular Organization, Function and Dynamics of Biomembranes

June 10 – 20, 2019 - Cargèse, Corsica, France

Monday June 10

Arrival

Tuesday June 11

- 8h 15 **Registration**
- 8h 30 **Welcome**, presentation of students, faculty and staff,
introduction to the course (by Eefjan Breukink, Gerrit van Meer)
- 9h 00 **Gerrit van Meer**, *Membrane lipids: where they are and how they behave*
- 10h 00 **Coffee break**
- 10h 30 **Klaus Pfanner**, *Mitochondria: essential cell organelles with multiple functions*
- 11h 30 **Pedro Carvalho**, *Biogenesis of lipid droplets at the endoplasmic reticulum*
- 12h 30 **Lunch and free afternoon**
- 15h 45 **Refreshments and coffee**
- 16h 00 **Poster session 1**
- 17h 30 *** THE EMBO LECTURE: **Tom Rapoport**, *Mechanisms of protein transport across membranes* ***
- 18h 30 **Welcome drinks**

Wednesday June 12

- 8h 30 **Bill Wickner**, *Fusion of biological membranes*
- 9h 30 **Vytas Bankaitis**, *Phosphatidylinositol transfer proteins and conversion of membrane surfaces to high definition signaling screens*
- 10h 30 **Coffee break**
- 11h 00 **Todd Graham**, *The Flip Side of Membrane Biology*
- 12h 00 **Tutorial Lunch and free afternoon**
- 15h 45 **Refreshments and coffee**
- 16h 00 **Poster session 1 and refreshments**: vote for best poster session 1
- 17h 30 **Liesbeth Veenhoff**, *Communication across the nuclear envelope in health and disease*
- 18h 30 **Manajit Hayer-Hartl**, *Cellular machinery for the folding and assembly of RuBisCO*

Thursday June 13

- 8h 30 **Ulrich Hartl**, *Mechanisms of chaperone-assisted protein folding*
- 9h 30 **Tom Kirchhausen**, *Molecular basis for membrane traffic*
- 10h 30 **Coffee break**
- 11h 00 EMBO YIP lecture: **Ana-Jesus Garcia-Saez**, *Dynamic membrane processes from a quantitative point of view*
- 12h 00 **Lunch and free afternoon**
- 15h 45 **Refreshments and coffee**
- 16h 00 **Patricia Bassereau**, *Physical basis for membrane traffic*
- 17h 00 **Paola Bruni**, *FEBS introduction*
- 17h 15 **Small break**
- 17h 30 **Pedro Carvalho**, *ER-associated degradation: from protein quality control to lipid homeostasis*
- 18h 30 **Jost Enninga**, *Bacterial entry and subversion of host membrane trafficking by bacterial pathogens*
- 19h 30 **Tutorial Dinners**

Friday June 14

- 8h 30 **Klaus Pfanner**, *Mitochondrial protein sorting and membrane architecture*
- 9h 30 **Ana-Jesus Garcia-Saez**, *Membrane alterations during apoptosis*
- 10h 30 **Coffee break**

- 11h 00 **Liesbeth Veenhoff**, *Membrane proteins of the Nuclear Envelope*
 12h 00 **Lunch and free afternoon**
 15h 45 **Refreshments and coffee**
 16h 00 **Kristine Schauer**, Density maps to study the role of endomembrane organization in cell function
 17h 00 **Small break**
 17h 15 **Jost Enninga**, Bacterial induced membrane damage- vacuolar escape of *Shigella* and *Salmonella*
 18h 15 **Thomas Lemberger**, **Mentoring session**: open science/data/source data

Saturday June 15

- 8h 30 **Bill Wickner**, *Reconstitution of yeast vacuole fusion with all purified components*
 9h 30 **Patricia Bassereau**, *Shaping lipid membranes with BAR-domain proteins*
 10h 30 **Coffee break**
 11h 00 **Todd Graham**, *COPI and Ubiquitin Traffic Control over SNAREs*
 12h 00 **Tutorial Lunch and free afternoon & evening (possible Boat trip)**

Sunday June 16 **Bus trip**

Monday June 17

- 8h 30 **Tom Kirchhausen**, *Cellular Dynamics: 4D Live Cell Imaging of Vesicular Traffic and Organelle Biogenesis*
 9h 30 **Maya Schuldiner**, *Functional genomics of organelles*
 10h 30 **Coffee break**
 11h 00 **Eefjan Breukink**, *Mode of action of antimicrobial peptides, a special case*
 12h 00 **Tutorial Lunch and free afternoon**
 15h 45 **Refreshments and coffee**
 16h 00 **Poster session 2**
 17h 30 **Vytas Bankaitis**, *Neural stem cell fatty acid β -oxidation and autism spectrum disease*
 18h 30 **Maya Schuldiner**, **Mentoring session** getting work and life balanced

Tuesday June 18

- 8h 30 **Tom Rapoport**, *How the ER gets into shape*
 9h 30 **Ulrich Hartl**, *Protein misfolding and disease*
 10h 30 **Coffee break**
 11h 00 **Manajit Hayer-Hartl**, Building a β -carboxysome
 12h 00 **Lunch and free afternoon**
 15h 45 **Refreshments and coffee**
 16h 00 **Poster session 2**: vote for best poster session 2
 17h 30 EMBO SCIENCE POLICY LECTURE: **Gerrit van Meer**, *Responsible conduct from the perspective of a scientist and faculty dean*
 18h 30 **Tom Kirchhausen**, **Mentoring session** What's next : academia, industry or something else
 19h 30 **Tutorial dinners**

Wednesday June 19

- 8h 30 **Maya Schuldiner**, *Membrane contact sites of organelles*
 9h 30 **Student presentations**
 10h 30 **Coffee break**
 11h 00 **Student presentations (6 in total) vote for best presentation**
 12h 00 **Tutorial Lunch, preparation of student sketches and free afternoon**
 18h 00 **Special session: Student sketches and poster prizes**
Concluding remarks by the chairs
 20h 00 **Farewell party**