

Workshop

Membrane Function: Insights from Cellular Diversity and Evolution

13 – 16 June 2027
Buxted Park,
East Sussex, UK



Funded places for early-career researchers

This Workshop will explore the key principles governing biological membrane organisation and function through the lens of chemical and compositional diversity of membrane lipids, which arose in evolution. Our programme encompasses the evolutionary and developmental plasticity of lipid metabolism and membrane function, biophysical and metabolic constraints on the evolution of lipids and membranes, mechanistic insights into how lipid diversity translates to function, and the cutting-edge technologies and the emerging needs for modern lipid research. By integrating an evolutionary perspective with lipid biochemistry, membrane biophysics, physiology, cell biology and state-of-the-art technology development, the workshop will cut across the traditional fields of research, providing an orthogonal view of membrane biology.

This Workshop will include the following sessions:

- The evolution of biological membranes
- The organismal plasticity of membrane function
- Translating lipid diversity to cellular function
- Metabolism: fuelling the evolution of membrane complexity
- New technologies and methods in lipid and membrane research

Organisers

Snezhana Oliferenko
Cunqi Ye

Speakers

Bruno Antonny
Buzz Baum
Emmanuelle Bayer
Itay Budin
Robert Ernst
Miriam Greenberg

Alwin Köhler
Benoît Kornmann
Nick Lane
Ilya Levental
Cornelia Meinert
James Saenz

Andela Saric
Courtney Stairs
David Teis
Sarah Veatch
Laura Villanueva
Brittany White-Mathieu

Secure your place* alongside leading experts and other early-career researchers from a diverse range of scientific backgrounds.

Deadline: 11 December 2026

To find out more or apply online visit workshops.biologists.com

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