

Quantitative Aspects of Membrane Fusion and Fission

Padova, Italy | May 6–10, 2019

Quantitative understanding of biophysical mechanisms increasingly requires analysis of dynamical and physiologically relevant cellular changes. This is especially relevant for biological membrane processes that occur at distinct points in time and space, such as membrane fusion or fission, and that are driven by localized and quantifiable interaction of proteins, lipids, and messenger molecules.

This interdisciplinary meeting will address the growing need for collaboration between experimentalists and theorists to fully take advantage of the quantitative nature of the experimental observations in this field and to improve the quantitative descriptions of membrane events.

Abstract Submission Deadline:

January 14, 2019

Early Registration Deadline:

February 1, 2019

ORGANIZING COMMITTEE

Sebastian Barg, Uppsala University, Sweden

Jenny Hinshaw, NIH, USA

Dinah Loerke, University of Denver, USA

Morten Gram Pedersen, University of Padova, Italy

Jakob B. Sorensen, University of Copenhagen, Denmark

SPEAKERS

Arun Anantharam, University of Michigan, USA

Uri Ashery, Tel-Aviv University, Israel

Axel T. Brunger, Stanford University, USA

Karin Busch, University of Münster, Germany

Liangyi Chen, Peking University, China

Giuliana Cortese, University of Padova, Italy

Susan Cox, King's College, United Kingdom

Katharina Gaus, University of New South Wales, Australia

Stephanie Gupton, University of North Carolina, USA

Tomas Kirchhausen, Harvard University, USA

Jürgen Klingauf, University of Münster, Germany

Manfred Lindau, Cornell University, USA

Fernando Marengo, University of Buenos Aires, Argentina

Frederic Meunier, Queensland Brain Institute, Australia

Thomas Pucadyil, Indian Institute of Science Education and Research, India

Aleksandra Radenovic, École Polytechnique Fédérale de Lausanne, Switzerland

Ravi Radhakrishnan, University of Pennsylvania, USA

Jens Rettig, Saarland University, Germany

Herre Jelger Risselada, University of Göttingen, Germany

Moshen Sadeghi, Freie Universität Berlin, Germany

Takeshi Sakaba, Doshisha University, Japan

Luca Scorrano, University of Padova, Italy

Jeanne Stachowiak, University of Texas at Austin, USA

Alexander Walter, Leibniz FMP, Germany

Ling-Gang Wu, NIH, USA

Biophysical Society