

Novo Nordisk Foundation Symposia

# Studying and controlling membrane proteins with light

16 November 2017

Participation is free of charge.

Membrane proteins such as ion channels, transporters, pumps and G protein-coupled receptors make up 20–30% of the proteome and play crucial roles in human physiology, both in health and disease. Despite their great importance in many tissues, detailed insight into the molecular mechanisms of membrane proteins has been exceedingly difficult to obtain, since they are embedded in a lipid bilayer, making membrane proteins inherently difficult to study. Currently, several methods are emerging in which fluorescence enables novel ways to study or manipulate membrane protein function to elucidate their molecular function or contribution to such things as neuronal circuits. The aim of this symposium is to inspire membrane protein researchers by showcasing state-of-the-art fluorescence-based techniques that open novel possibilities to study and control the function of membrane proteins in a variety of settings, ranging from single-molecule work to controlling neuronal networks.

Registration is on a first-come, first-served basis.  
The deadline is 5 November 2017.

## Speakers:

**Bando, Yuki** Columbia University,  
New York, NY, United States

**Chanda, Baron** University of Wisconsin,  
Madison, United States

**Cohen, Adam** Harvard University,  
Cambridge, MA, United States

**Hegemann, Peter** Humboldt University  
of Berlin, Germany

**Isacoff, Ehud** University of California  
at Berkeley, United States

**Moroni, Anna** University of Milan, Italy

**Taraska, Justin** National Institutes of  
Health, Bethesda, MD, United States

**Triller, Antoine** École Normale  
Supérieure, Paris, France

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