



# Topics in Life Sciences



4-5 Dec 2017, Ludwig Prandtl Hall

## Monday

8:30 **Opening remarks by the Managing Director**  
Stefan W. Hell

8:45 **"Adult organ plasticity"**  
Irene Miguel-Aliaga  
MRC London Institute of Medical Sciences, Imperial College London, UK  
Chair: Dirk Görlich

9:45 **"Activity-based sensing approaches to deciphering transition metal signaling"**  
Christopher J. Chang  
University of California, Berkeley, USA  
Chair: Dirk Görlich

11:00 **"Bringing bioelectricity to light"**  
Adam E. Cohen  
Howard Hughes Medical Institute, Harvard University, USA  
Chair: Reinhard Jahn

12:00 **"Single-molecule electrometry: visualizing molecular electrostatics and 3D conformation in an optical microscope"**  
Madhavi Krishnan  
University of Zurich, Switzerland  
Chair: Reinhard Jahn

## Tuesday

8:30 **"Genome defense by small RNA pathways"**  
Julius Brennecke  
Institute of Molecular Biotechnology Vienna (IMBA), Austria  
Chair: Patrick Cramer

9:30 **"Studying gene regulation with single-cell resolution"**  
Oliver Stegle  
European Bioinformatics Institute (EMBL-EBI), Cambridge, UK  
Chair: Patrick Cramer

10:45 **"When 1+1 is 1: how yeast cells fuse once and only once"**  
Sophie G. Martin  
University of Lausanne, Switzerland  
Chair: Melina Schuh

11:45 **"Molecular and evolutionary mechanisms in planarian regeneration"**  
Jochen Rink  
Max Planck Institute for Molecular Cell Biology and Genetics, Dresden, Germany  
Chair: Melina Schuh

12:45 **Closing remarks by the Managing Director**  
Stefan W. Hell



Max Planck Institute for Biophysical Chemistry

Organisation: Helena Miletic, Office of the Managing Director, Tel: ++49 551 2012010, E-Mail: [helena.miletic@mpibpc.mpg.de](mailto:helena.miletic@mpibpc.mpg.de)