

# **Cologne Spring Meeting 2010**

*International Symposium of the SFB 635*

**SFB 635**

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Posttranslational control  
of protein function

## **Protein homeostasis: Make it, guide it and break it**

February 17 - 19, 2010  
Cologne, Germany

Lectures:  
Institute of Physics  
University of Cologne  
Zùlpicher StraÙe 77  
50937 Cologne

Organizers:  
Jùrgen Dohmen, Thomas Langer, Maria Leptin  
Institute for Genetics, University of Cologne

[www.genetik.uni-koeln.de/spring2010](http://www.genetik.uni-koeln.de/spring2010)

**Wednesday, February 17, 2010**

14:00 Welcome Address

**1<sup>st</sup> Session: "Make it"**

*Chair: Thomas Langer*

14:10 - 14:45 **Ulrich Hartl**, Max Planck Institute of Biochemistry,  
Martinsried, Germany  
*"Chaperone-assisted protein folding in health and disease"*

14:45 - 15:20 **Helen Saibil**, Birkbeck College, University of London, UK  
*"Yeast prions and an AAA+ machine for reversing protein aggregation"*

15:20 - 15:55 **Jörg Höfeld**, Institute for Cell Biology, RFW-  
Universität Bonn  
*"Brain and muscle proteostasis - two cases for CASA"*

15:55 - 16:25 Coffee break

*Chair: Jürgen Dohmen*

16:25 - 17:00 **Mark S. Hipp**, Stanford University, Stanford, USA  
*"Proteostasis and the ubiquitin proteasome system in neurodegenerative disease"*

17:00 - 17:35 **Rachel Green**, Johns Hopkins University, Baltimore,  
USA  
*"Quality control on the ribosome during translation"*

17:35 - 18:10 **Katharina Strub**, Universite de Geneva, Geneva,  
Switzerland  
*"Protein targeting to the endoplasmic reticulum"*

End of Session

18:30 Open Spring Meeting Reception at the Institute for Genetics

**Thursday, February 18, 2010**

**2<sup>nd</sup> Session: "Guide it"**

*Chair: Jonathan Howard*

- 9:00 - 09:35     **Peter Walter**, University of California, San Francisco, USA  
*"Unfolded protein response in health and disease"*
- 9:35 - 10:10     **Catherine Jackson**, Centre National de la Recherche Scientifique, Gif sur Yvette, France  
*"Arf1 regulation of membrane traffic in the early secretory pathway"*
- 10:10 - 10:45     **Luca Scorrano**, Universite de Geneva, Geneva, Switzerland  
*"Size matters! Mitochondrial elongation in macroautophagy"*

10:45 - 11:15     Coffee break

*Chair: Marc Bramkamp*

- 11:15 - 11:50     **Jodi Nunnari**, University of California, Davis, USA  
*"Mechanistic analysis of mitochondrial division and fusion"*
- 11:50 - 12:25     **Suzanne Pfeffer**, Stanford University School of Medicine, Stanford, USA  
*"Small GTPase regulation of receptor trafficking"*

12:25 - 14:00     Lunch break

*Chair: Manolis Pasparakis*

- 14:00 - 14:35     **Jennifer Lippincott-Schwartz**, National Institutes of Health, Bethesda, USA  
*"Mitochondrial role in cell cycle control and autophagy"*
- 14:35 - 15:10     **Scott Emr**, Cornell University, Ithaca, USA  
*"Receptor Endocytosis and Down-Regulation: a role for ESCRT and ART protein complexes"*

15:10 - 15:45 **Harvey McMahon**, MRC Laboratory of Molecular Biology, Cambridge, UK  
*"Sculpting Cell Membranes: Understanding pathways of endocytosis and exocytosis"*

15:45 - 16:20 Coffee break

*Chair: Günter Schwarz*

16:20 - 16:55 **Jenny E. Hinshaw**, The National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, USA  
*"The role of dynamins in membrane remodeling"*

16:55 - 17:30 **Gerrit Praefcke**, Institute for Genetics/ Center for Molecular Medicine University of Cologne  
*"Lipid modification and membrane targeting of the human guanylate binding protein 1 "*

17:30 - 18:05 **Jan-Michael Peters**, Research Institute of Molecular Pathology, Vienna, Austria  
*"Regulation of the anaphase promoting complex by the spindle assembly checkpoint"*

End of Session

**Friday, February 19, 2010**

**3<sup>rd</sup> Session: "Break it"**

*Chair: Jane Parker*

- 9:00 - 09:35    **Xinnian Dong**, Duke University, Durham, USA  
*"Signal transduction in plant immune responses"*
- 9:35 - 10:10    **Wolfgang Baumeister**, Max Planck Institute of  
Biochemistry, Martinsried, German  
*"Cryo-electron microscopy: from molecules to systems"*
- 10:10 - 10:45    **Mark Hochstrasser**, Yale University, New Haven, USA  
*"Chaperone-assisted proteasome assembly in vivo"*
- 10:45 - 11:15    Coffee break

*Chair: Ute Höcker*

- 11:15 - 11:50    **Robert Sauer**, Massachusetts Institute of Technology,  
Cambridge, USA  
*"Machines of protein destruction"*
- 11:50 - 12:25    **Ivan Dikic**, Goethe University, Frankfurt, Germany  
*"Ubiquitin and autophagy networks"*
- 12:25 - 14:00    Lunch break

*Chair: Maria Leptin*

- 14:00 - 14:35    **Judith Frydman**, Stanford University, Stanford, USA  
*"Protein Homeostasis in the eukaryotic cytosol: the role of  
molecular chaperones"*
- 14:35 - 15:10    **Bernd Bukau**, University of Heidelberg, Heidelberg,  
Germany  
*"Chaperone-assisted protein folding in the cytosol"*
- 15:10 - 15:45    **Thorsten Hoppe**, Institute for Genetics, University of  
Cologne  
*"Ubiquitin chain editing links proteostasis to longevity"*

End of Meeting