

**Spring Member Meeting of the German Society for Cell Biology (DGZ)
March 1–2, 2017 in Leipzig, Germany**

www.zellbiologie.de

Conference Venue:
University of Leipzig
Hörsaalgebäude (HS8)
Augustusplatz 10
04109 Leipzig, Germany

Scientific Program

Wednesday, March 1, 2017

12:00 – 12:15 New Challenges for the DGZ

Carien Niessen, President, German Society for Cell Biology

12:15 – 13:00 DGZ Awards

Binder Innovation Prize

Sara Wickström (Cologne, Germany): Mechanisms and mechanics of epidermal stem cell fate regulation

Nikon Young Scientist Award of the DGZ

Evgenij Fiskin (Frankfurt/Main, Germany): Regulation of host-pathogen interactions by the ubiquitin system

Werner Risau Prize

Kerstin Wilhelm (Bad Nauheim, Germany): FOXO1 couples metabolic activity and growth state in the vascular endothelium

13:00 – 14:15 Carl Zeiss Lecture

Peter Walter (San Francisco, USA): The unfolded protein response and beyond

14:15 – 14:45 Coffee Break

14:45 – 16:15 Session 1: Cell biology by numbers

Chair: Simone Reber (Berlin, Germany)

Keynote Speaker: Stephan Grill (Dresden, Germany): Polarity establishment by the numbers

Julia Mahamid (Munich, Germany): In situ cryo-electron tomography reveals the molecular sociology at the HeLa cell nuclear periphery

Simone Reber (Berlin, Germany): Spindle length and shape: How geometry arises from molecular interactions

Jörg Mansfeld (Dresden, Germany): Quantitative cell cycle analysis based on an endogenous all-in-one reporter for cell tracking and classification (short talk)

16:15 – 17:15 Poster Walk 1: Short Presentations on Digi Posters

17:15 – 18:30 DGZ Member Meeting

18:30 – 20:00 Session 2: Mechanisms of nucleocytoplasmic exchange

Chair: Martin Beck (Heidelberg, Germany)

Keynote Speaker: Wolfram Antonin (Aachen, Germany): Nuclear pore complex formation: step-wise assembly of a transport gate

Marie-Therese Mackmull (Heidelberg, Germany): Landscape of nuclear transport receptor cargo specificity (short talks)

Germán Camargo Ortega (Munich): The novel centrosomal protein Akna, a regulator of microtubule organizing activity, controls neurogenesis (short talk)

Martin Beck (Heidelberg, Germany): Structure and function of the nuclear pore complex

20:30 Get Together with drinks and buffet

(Grassimuseum Leipzig)

Thursday, March 2, 2017

08:30 – 10:00 Session 3: New insights into cell-cell fusion: Mechanisms of membrane fusion

Chair: Susanne Önel (Marburg, Germany)

Keynote Speaker: Thomas Krey (Hannover, Germany): Structural basis of gamete fusion

Susanne Önel (Marburg, Germany): Signalling myoblast fusion in *Drosophila*

André Fleißner (Braunschweig, Germany): Cellular dialogs: Cell-cell communication and fusion in *Neurospora crassa* (short talk)

Edgar-John Vogt (Bethesda, USA): Exocytosis of mouse cortical granules is regulated by the subcortical maternal complex (short talk)

10:00 – 11:00 Poster Walk 2: Short Presentations on Digi Posters

11:00 – 11:15 DGZ Award

Walther Flemming Award

Kikue Tachibana-Konwalski (Vienna, Austria): Molecular control of the mammalian oocyte-to-zygote transition

11:15 – 12:45 Session 4: Extracellular vesicles - The secret side of cell-cell communication

Chair: Julia Gross (Goettingen, Germany)

Keynote Speaker: Pascale Zimmermann (Marseille, France): The syndecan-syntenin pathway in exosome biogenesis and uptake

Tina Tylek (Wuerzburg, Germany): Bidirectional communications of macrophages and mesenchymal stromal cells in direct and indirect co-culture system (short talk)

Ann Wehman (Wuerzburg, Germany): Determining the fate of extracellular vesicles in *C. elegans*: trafficking of released organelles (short talk)

Julia Gross (Goettingen, Germany): Neutral sphingomyelinases control extracellular vesicles budding from the plasma membrane

12:45 Wrap Up by the President and Lunch