

- 09:50 - 10:05 *Andres Lebensohn, Bethesda, US*
Mechanisms and physiological implications of LGR-dependent and LGR-independent signaling by R-spondins
- 10:05 - 10:20 *Bisei Ohkawara, Nagoya, JP*
Mianserin suppresses R-spondin 2-induced activation of Wnt/ β -catenin signaling in chondrocytes and prevents cartilage degradation in a rat model of osteoarthritis

10:20 - 10:50 **Coffee break**

Chair: Christof Niehrs

- 10:50 - 11:15 *Stephane Angers, Toronto, CA*
Identification of synthetic lethal interactions underlying cancer mutations within the Wnt signaling pathway
- 11:15 - 11:40 *Elizabeth Vincan, Melbourne, AU*
Frizzled7 functions as a Wnt receptor in gastrointestinal epithelial stem cells: implications for cancer growth and progression
- 11:40 - 11:55 *Laura C. Zelarayán, Göttingen, DE*
SHISA3: A novel Wnt signaling and KLF15 target in cardiac endothelial cell remodeling
- 11:55 - 12:10 *Soyoung Kim, Seoul, KR*
TFEB is a mediator of Wnt signaling

12:10 - 13:10 **Lunch**

Chair: Michael Boutros

- 13:10 - 13:35 *Thomas Holstein, Heidelberg, DE*
The Wnt code: Deciphering early Wnt ligand-receptor interactions
- 13:35 - 13:50 *Michaela Holzem, Oxford, UK*
Investigating the function and evolution of Wnt ligands in *Drosophila melanogaster*
- 13:50 - 14:05 *Thomas Leibing, Mannheim, DE*
Angiocrine Wnt signaling controls liver growth and metabolic maturation in mice
- 14:05 - 14:30 *Roel Nusse, Palo Alto, US*
Gene signatures and stemness in the liver controlled by local Wnt signals
- 14:30 - 14:45 *Closing and poster awards*
Invited Speaker's excursion (by invitation)

Venue:

Communication Center
 German Cancer Research Center (DKFZ)
 Im Neuenheimer Feld 280
 69120 Heidelberg
 Germany



Organizers:

Michael Boutros
Thomas Holstein
Christof Niehrs

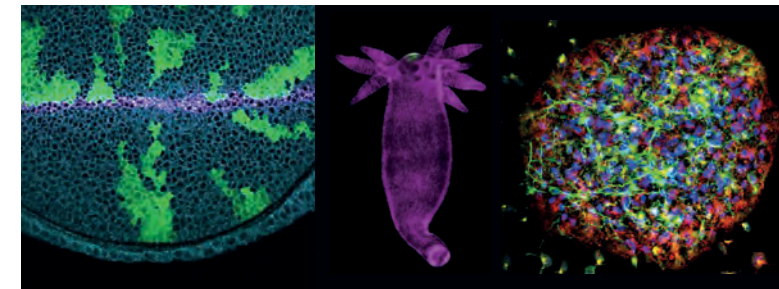
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European Wnt Meeting 2018

September 12-14 | Heidelberg



Program

Supported by German Science Foundation (DFG)
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PROGRAM

Wednesday, September 12th

Chair: Thomas Holstein

- 13:00 - 13:15 **Welcome**, Thomas Holstein, Heidelberg, DE
- 13:15 - 13:40 Claudia Janda, Utrecht, NL
The Wnt/Frizzled axis: structure, function and engineering for regenerative applications
- 13:40 - 14:05 Karl Willert, San Diego, US
Exploring Wnt-Frizzled specificity
- 14:05 - 14:20 Marek Kravec, Brno, CZ
Dishevelled is polyglutamylated by Tubulin-tyrosine ligase-like 11
- 14:20 - 14:45 Mariann Bienz, Cambridge, UK
The Dishevelled paradigm – signalosome assembly in animals and plants

14:45 - 15:15 Coffee break

Chair: Ana Martin-Villalba

- 15:15 - 15:40 Stefano Piccolo, Padova, IT
YAP/TAZ biology and regulation in stem cells regeneration and cancer
- 15:40 - 15:55 Gopal P. Sapkota, Dundee, UK
PAWS1/FAM83G controls Wnt signaling through association with Casein Kinase 1 alpha
- 15:55 - 16:20 Rami Hannoush, San Francisco, US
Pharmacological modulation of Frizzled receptors in intestinal stem cells
- 16:20 - 16:45 Yvonne Jones, Oxford, UK
Structural insights into extracellular modulation of Wnt signaling
- 16:45 - 17:00 Fei Xu, Shanghai, CN
Crystal structure of Frizzled 4 receptor in ligand-free state
- 17:00 - 18:00 **Flash talk session I** (Chair: Julia Gross)
- 18:00 - 20:00 **Poster session I** (odd numbers) & drinks
Free evening
Invited Speaker's dinner in town (by invitation)

Thursday, September 13th

Chair: Edward de Robertis

- 09:00 - 09:25 Madelon Maurice, Utrecht, NL
RNF43 tumour suppressor mutations in cancer: beyond loss-of-function
- 09:25 - 09:50 Renee van Amerongen, Amsterdam, NL
Wnt signaling in mammary gland biology and breast cancer: from mouse to molecule
- 09:50 - 10:15 Akira Kikuchi, Osaka, JP
The novel Dickkopfs-CKAP4 signaling pathway represents diagnostic and therapeutic targets for cancer
- 10:15 - 10:30 Claudio Cantù, Linköping, SE
A new nuclear β -catenin/BCL9 partner regulates Wnt signaling at the interphase between development and cancer

10:30 - 11:00 Coffee break

Chair: Elizabeth Vincan

- 11:00 - 11:15 Bart Williams, Grand Rapids, US
Frizzled signaling in skeletal development and homeostasis
- 11:15 - 11:40 Hendrik Korswagen, Utrecht, NL
Interplay between canonical and non-canonical Wnt signaling in cell migration
- 11:40 - 12:05 Michael Boutros, Heidelberg, DE
Mechanisms of Wnt secretion

12:05 - 13:15 Lunch

Chair: Walter Birchmeier

- 13:15 - 13:40 David Virshup, Singapore, SG
Upstream regulation of Wnt signaling: Biology and therapy
- 13:40 - 14:05 Jean-Paul Vincent, London, UK
Long range action of Wntless in time and space
- 14:05 - 14:20 Benjamin Mattes, Exeter, UK
Cytosomes bridge Wnt autocrine and paracrine signaling systems

- 14:20 - 14:35 Julia Gross, Göttingen, DE
Ykt6 membrane-to-cytosol cycling regulates exosomal Wnt secretion
- 14:35 - 15:00 Jürgen Behrens, Erlangen, DE
Mitochondrial biogenesis induced through cell intrinsic activation of Wnt signaling

15:00 - 15:30 Coffee break

Chair: Mariann Bienz

- 15:30 - 15:55 Edward de Robertis, Los Angeles, US
Regulation of endolysosomal microautophagy by canonical Wnt signaling: the role of arginine methylation
- 15:55 - 16:20 Marek Mlodzik, New York, US
Regulation of Wnt signaling by ciliary protein complexes in cilia independent contexts
- 16:20 - 16:45 Alexander Aulehla, Heidelberg, DE
Wnt oscillations during development
- 16:45 - 17:00 Alexandra Schambony, Erlangen, DE
The phosphatase Pgam5 antagonizes Wnt/ β -catenin signaling in embryonic anterior-posterior axis patterning
- 17:00 - 17:15 Megan Agajanian, Chapel Hill, US
A transcription-uncoupled negative feedback loop for the Wnt pathway: Wnt activates the AAK1 kinase to promote clathrin-mediated endocytosis of LRP6
- 17:15 - 18:30 **Flash talk session II** (Chair: Sergio Acebrón)
- 18:30 - Dinner buffet (parallel to poster session)**
- 19:00 - 21:00 **Poster session II** (even numbers)
Cocktails & Party

Friday, September 14th

Chair: Claudia Janda

- 09:00 - 09:25 Arial Zeng, Shanghai, CN
The functional role of protein C receptor in mammary stem cells and breast cancer
- 09:25 - 09:50 Walter Birchmeier, Berlin, DE
Inhibiting Wnt and Notch in renal cancer stem cells: implications for human patients