

PROGRAM

Wednesday, September 25th

Chair: Thomas Holstein

- | | |
|---------------|---|
| 13:00 - 13:15 | Welcome , Michael Boutros Heidelberg, DE |
| 13:15 - 13:40 | Mariann Bienz Cambridge, UK
“Control of Wnt signalosome assembly by conformational flexibility of Axin and AP2 clathrin adaptor” |
| 13:40 - 14:05 | Sebastian Guettler London, UK
“The β-catenin destruction complex - molecular mechanisms and regulation by ADP-ribosylation” |
| 14:05 - 14:30 | Marc Kirschner Boston, US
“Reconsidering the unique role of β-catenin in Wnt signaling: Novel direct degradation targets of APC and Axin1 |
| 14:30 - 14:45 | Andres M. Lebensohn Bethesda, US
“HUWE1 regulates β-catenin subcellular localization, and the balance between β-catenin signaling and cell adhesion functions, by antagonizing a new activity of the destruction complex” |
| 14:45 - 15:15 | <i>Coffee break</i> |

Chair: Sergio P. Acebrón

- | | |
|---------------|---|
| 15:15 - 15:40 | Lauren Albrecht Irvine, US
“Wnt rapidly triggers compartmentation of key enzymes to orchestrate precise metabolic control of cells and tissues” |
| 15:40 - 16:05 | Renée van Amerongen Amsterdam, NL
“Common and tissue-specific mechanisms of WNT/CTNNB1 signaling” |
| 16:05 - 16:20 | Katharina Klement Erlangen, DE
“Microtubule anchoring of AXIN1 counteracts Wnt pathway activation” |
| 16:20 - 16:35 | Antonia Schubert Heidelberg, DE
“Characterizing regulators of Dvl2 localization to Wnt-dependent biomolecular condensates” |
| 16:35 - 17:20 | Flash Talk Session I |
| 17:20 - 19:00 | Poster session I (odd Numbers) |

Thursday, September 26th

Chair: Christof Niehrs

- 09:00 - 09:25 David Virshup | Singapore, SG
"Wnt delivery to intestinal stem cells: telocytes and cytonemes"
- 09:25 - 09:50 Marian Waterman | Irvine, US
"Intestinal stem cell orchestration of tumor microenvironments in colorectal cancer"
- 09:50 - 10:05 Tans Sander | Amsterdam, NL
"Loss of Paneth cell contact starts a WNT differentiation timer in the intestinal crypt"
- 10:05 - 10:20 Anchel de Jaime Soguero | Heidelberg, DE
"WNT signaling safeguards chromosome segregation fidelity in stem cells by protecting from replicative stress"
- 10:20 - 10:50 *Coffee break*

Chair: Gary Davidson

- 10:50 - 11:15 Madelon Maurice | Utrecht, NL
"WNT-dependent cancer growth and metastasis: a matter of self-organization"
- 11:15 - 11:40 Akira Kikuchi | Osaka, JP
"Hypoxia-Induced Wnt5a expression in fibroblasts enhances colon cancer progression"
- 11:40 - 12:05 Laura Hinze | Hannover, DE
"The role of Wnt/STOP signaling in drug-resistant cancer cells"
- 11:55 - 12:10 Henry Ho | Davis, US
"Mechanistic dissection of human WNT5A mutations that cause Robinow syndrome"
- 12:10 - 12:25 Tianzuo Zhan | Heidelberg, DE
"Activation of Wnt signaling by Ras pathway inhibition in colorectal cancer"
- 12:30 - 12:45 *Group photo*
- 12:45 - 14:00 *Lunch break*

Chair: Ingrid Lohmann

- 14:00 - 14:25 Steffen Scholpp | Exeter, UK
"Cytoneme-mediated transport of active Wnt5b/Ror2 complexes"

14:25 - 14:50	Jean-Paul Vincent London, UK "Wnt's journey from Wntless to Frizzled"
14:50 - 15:15	Vítězslav Bryja Brno, CZ "What makes casein kinase 1 alpha (CK1α) a negative regulator of the Wnt/beta-catenin pathway?"
15:15 - 15:30	Matthias Krause London, UK "The Ena/VASP actin polymerases promote canonical WNT signalling by increasing LRP5/6 WNT-coreceptor endocytosis"
15:30 - 15:45	Josephine Bageritz Heidelberg, DE "Decoding Muscle precursor heterogeneity and the role of Wnt signaling in <i>Drosophila</i> development"
15:45 - 16:15	<i>Coffee break</i>
<i>Chair: Gislene Pereira</i>	
16:15 - 16:40	Rami Hannoush San Francisco, US "Pharmacological approaches for modulating the Wnt pathway in tissue regeneration"
16:40 - 17:05	Vivian Li London, UK "Targeting Wnt signaling in colorectal cancer"
17:05 - 17:30	Karl Willert San Diego, US "Targeting the Wnt receptor FZD7 in stem and cancer cells"
17:30 - 17:45	Ki Hong Lee Heidelberg, DE "Mechanosensitive self-fueling vascular Wnt controls liver function"
17:45 - 18:00	Claudio Cantù Linköping, SE "The impact of Wnt signaling on the genome"
18:00 - 18:15	Catriona Logan Stanford, US "A regulatory region that controls Wnt gene expression following tissue injury is required for regeneration"
18:15 - 19:00	Flash Talk Session II
19:00 -	<i>Dinner buffet (parallel to Poster session)</i>
19:00 - 21:00	Poster session II (Even Numbers) Cocktails & Party

Friday, September 27th

Chair: Ana Martin-Villalba

- 09:00 - 09:25 Hans Clevers | Utrecht, NL
"Organoids, 3D and 2D"
- 09:25 - 09:50 Elizabeth Vincan | Melbourne, AU
"Organoids model authentic infection"
- 09:50 - 10:15 Selma Masri | Irvine, US
"The Circadian Clock and Wnt Signaling: Coordinated Regulation of Tumor Immunity"
- 10:15 - 10:30 Hidenobu Miyazawa | Heidelberg, DE
"Unraveling a glycolysis-Wnt signaling axis as a regulator of developmental timing in mammalian embryos"
- 10:30 - 11:00 *Coffee break*

Chair: Josephine Bageritz

- 11:00 - 11:25 Marek Mlodzik | New York, US
"Regulation of nuclear translocation of β -catenin upon Wnt-signaling activation: Mechanistic insights into a novel microtubule mediated nuclear transport process"
- 11:25 - 11:40 Ines Alvarez-Rodrigo | London, UK
"Wnt secretion requires appropriate membrane trafficking and lipid composition"
- 11:40 - 11:55 Anna Schwarzkopf | Nashville, US
"Identification of novel E3 ligases regulating Wnt/beta-catenin signaling"
- 11:55 - 12:10 Nicholas Tolwinski | Singapore, SG
" β -catenin stabilization at highly mechanically active cellular junctions"
- 12:10 - 13:15 *Lunch*

Chair: Michael Boutros

- 13:15 - 13:40 Stephane Angers | Toronto, CA
"Restoring tissue homeostasis with tailored control of Wnt signaling activity"
- 13:40 - 14:05 Christof Niehrs | Heidelberg, DE
"Ciliary Wnt signaling"
- 14:05 - 14:30 Roel Nusse | Stanford, US
"Wnt Signals controlling organ size"
- 14:30 - 14:45 **Closing and poster awards** (sponsored by FEBS Journal)