



2nd Heidelberg Campus Meeting

Topic: Signaling Networks

Date: Monday, November 19, 13:00

Location: ZMBH, Seminar Room, INF282

Invited Lectures:

Jana Wolf, MDC Berlin: *Computational Modeling of Signal Transduction and Gene Expression in Cancer*

Duncan Odom, DKFZ and University of Cambridge / Cancer Research UK - Cambridge Institute: *Applying comparative functional genomics to understand genome evolution*

PLUS: Presentations (Short Talks & Posters) by Heidelberg PhD Students and Postdocs and Evening Get-Together

Further Details at: www.dkfz-zmbh-allianz.de/hcm

DKFZ-ZMBH Alliance



UNIVERSITÄT
HEIDELBERG
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SEIT 1386



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GERMAN
CANCER RESEARCH CENTER
IN THE HELMHOLTZ ASSOCIATION

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Research for a Life without Cancer

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Schedule

13:00 Welcome (Tobias Dick and Frauke Melchior)

INVITED LECTURE 1:

13:05 **Jana Wolf**: Computational Modeling of Signal Transduction and Gene Expression in Cancer

13:40 **Karim Aljakouch** (Krijgsveld Lab): Proteomics of Oncogenic Signaling Pathways

13:55 **Ilia Platzman** (Spatz Lab): Sequential bottom-up assembly of functional synthetic cells

14:10 **Isabel Freund** (Dalpke Lab): Impact of RNA modifications on innate immune sensing

14:25 **Jesús Romero Pozuelo** (Teleman Lab): CDK4/6 regulation of TORC1 in Mammals

14:40 **Elevator Pitches** (2 minutes per poster)

15:05 Break and Socializing

INVITED LECTURE 2:

15:35 **Duncan Odom**: Applying comparative functional genomics to understand genome evolution

16:10 **Sina Barysch** (Melchior Group): A SUMO switch in EGF receptor signaling

16:25 **Denis Janocha** (Lohmann Group): Energy- and environmental signaling in *Arabidopsis* stem cells

16:40 **Benedikt Rechmann** (Dick Group): The GAPDH redox switch in metabolic reprogramming

Silvia Colluci (Muckenthaler Lab): Sensing of liver iron content requires cell-cell communication between hepatocytes and liver sinusoidal endothelial cells

Pablo Naranjo (Bischofs Lab): Ratiometric population sensing by a bacterial peptide signaling system

17:25 **Juan Rodríguez Vita** (Fischer Lab): SEMA3C and liver fibrosis: the size matters

17:40 **Poster Session and Socializing - Food and Drinks**

Posters and Elevator Pitches

- **Nicole Giebel** (Acebron Group): Regulation of Wnt signalling by deubiquitinases
- **Benedikt Steinfeld** (Bischofs Group): Promoter architectures recognized by the quorum sensing master regulator ComA in *Bacillus subtilis*
- **Sevinj Sultanli** (Kubatzky Group): Plumbagin, a natural compound with osteoclastic properties
- **Yanfei Ma** (Lohmann Group): Generating spatial specificity in shoot apical stem cells of *Arabidopsis*
- **Sara Ahmed** (Teleman Group): The *Drosophila* intestinal stem cell response to steroid hormone regulation
- **Chiara Zambarda and Dirk Olech** (Spatz Group): Light-induced dissociation of adherent junctions
- **Sarah Stöcker** (Dick Group): A role for 2-Cys peroxiredoxins in facilitating cytosolic protein thiol oxidation
- **Katarzyna Drzewicka** (Melchior Group): BRAP is a novel E3 ubiquitin ligase for IκBα