

CIPSM^M - WILDBAD-KREUTH-KONFERENZ
3RD – 6TH OF FEBRUARY 2014

INFO: BARON@CIPSM.DE

PROGRAM

MONDAY 3RD OF FEBRUARY 2014

- 13:10 – 13:20 THOMAS CARELL (Speaker of CIPSM^M)
Welcome
- 13:20 – 13:40 AREA A
HENDRIK DIETZ
"DNA Nanotechnology for Protein Science"
- 13:40 – 14:00 THOMAS KIEFHABER
"The speed limit for site-specific protein-protein interaction"
- 14:00 – 14:20 CHRISTIAN OCHSENFELD
"Quantum chemical insights into molecular processes"
- 14:20 – 14:40 ARIADNA MARTOS (AG SCHWILLE)
"Towards a bottom-up reconstitution of bacterial cell division"
- 14:40 – 15:20 *Coffee break*
- 15:20 – 15:40 GABRIEL ZOLDAK (AG RIEF)
"Single molecule force spectroscopy of the DnaK chaperone"
- 15:40 – 16:00 WOLFGANG ZINTH
"Faltung und Entfaltung eines lichtgeschalteten Hairpin Peptids"
- 16:00 – 16:20 AREA B
KLAUS RICHTER (AG BUCHNER)
"The molecular mechanisms of the oxidative stress response"
- 16:20 – 16:40 EVA HUBER (AG GROLL)
"Structural analysis of flavoenzyme catalyzed disulfide formation in natural products"
- 16:40 – 17:00 *Coffee break*
- 17:00 – 17:20 AYMELT ITZEN
"Manipulation of molecular switches by bacterial pathogens"
- 17:20 – 17:40 JÜRGEN SOLL
"Chlorogast Biogenesis"
- 17:40 – 18:00 CHRISTOPH KAISER (AG WEINKAUF)
"Activation mechanism of the eye lens chaperone alphaB-crystallin"
- 18:00 – 18:20 UTE VOTHKNECHT
"Calcium Regulation in Plant Organelles"
- 19:00 *DINNER*

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THUESDAY 4TH OF FEBRUARY 2014

AREA C

- 9:00 – 9:20 CHRISTOPH ENGEL (AG CRAMER)
"RNA polymerase I structure and transcription regulation"
- 9:20 – 9:40 ULRIKE GAUL
"Systems biology of gene expression: analysis of the basal promoter"
- 9:40 – 10:00 HORST KESSLER & TOBIAS KAPP
"Novel superactive CXCR4 ligands and their application in medicine"
- 10:00 – 10:20 TATJANA BRAUN (AG LANGE)
"NMR structure determination of membrane proteins with CS-Rosetta"
- 10:20 – 10:40 TOBIAS DEIMLING (AG HOPFNER)
"Innate Immune Sensing of Cytosolic DNA"
- 10:40 – 11:20 *Coffee break*
- 11:20 – 11:40 BERND REIF
"Amyloid Aggregates and Soluble Protein Complexes by NMR Spectroscopy"
- 11:40 – 12:00 JANOSCH HENNIG (AG SATTLER)
"Structural basis for the assembly of the SXL-UNR translation regulatory complex"
- 12:00 – 12:20 AREA E
IRIS ANTES
"Computational Prediction of Protein Interactions"
- 12:20 – 12:40 FABIO SPADA (AG CARELL)
"Dissecting DNA modification pathways in embryonic stem cells using stable isotope tracing and mass spectrometry"
- 12:40 – 14:00 *Lunch*
- 14:00 – 14:20 ANJA HOFFMANN - RÖDER
"Chemically modified MUC1 glycopeptide analogs"
- 14:20 – 14:40 HANNES HAHNE (AG KÜSTER)
"Mass spectrometry based draft of the human proteome"
- 14:40 – 15:00 MARKUS RÄSCHLE (AG MANN)
"Analysis of replication fork stalling by time-resolved chromatin mass spectrometry (CHROMASS)"

15:00 *Postersession / Coffee break*

19:00 *DINNER*

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WEDNESDAY 5TH OF FEBRUARY 2014

- 9:00 – 9:20 SABINE SCHNEIDER
"Cyclic peptides as selective inhibitors for protein-RNA interactions"
- 9:20 – 9:40 STEPHAN SIEBER
"Conformational changes as regulation principle of serine proteases"
- 9:40 – 10:00 ANDREAS REICHERT (AG SKERRA)
"Applying an expanded genetic code to engineer proteins with novel functionalities"
- 10:00 – 10:20 AREA F
DOMINIQUE FÖRSTER (AG BAIER)
"Optobow: all-optical neuronal circuit mapping in zebrafish"
- 10:20 – 11:00 *Coffee break*
- 11:00 – 11:20 SAYANTAN CHAKRABORTY (AG CONRADT)
"The intricacies of apoptosis"
- 11:20 – 11:40 JANA HARTMANN (AG KONNERTH)
"Regulation of neuronal calcium signaling by STIM1"
- 11:40 – 13:40 *Lunch*
- 13:40 – 14:00 DIETER LANGOSCH
"Transmembrane Helices on the Move"
- 14:00 – 14:20 STYLIANOS MICHALAKIS
"Epigenetic regulation in the mouse retina"
- 14:20 – 14:40 DIRK TRAUNER
"Photopharmacology of Vision Restoration"
- 14:40 – 15:00 CHRISTIAN WAHL - SCHOTT
"Two-pore cation channels: from genes to physiology"
- 15:00 – *Postersession / Coffee break*
- 19:00 **DINNER**

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THURSDAY 6TH OF FEBRUARY 2014

- 9:00 – 9:20 *AREA D*
SYLVAIN MEANNER (AG BECKER)
"The role of long, non-coding RNA in the biogenesis of the dosage compensation complex"
- 9:20 – 9:40 ROLAND SCHÜLLER (AG EICK)
"The RNA Polymerase II CTD Code"
- 9:40 – 10:00 STEFAN ENDRES
"Arms race in the tumor microenvironment: Giving T-cells a helping hand"
- 10:00 – 10:20 SIMONE VOLLMER (AG IMHOF)
"Metabolic regulation of protein posttranslational modifications"
- 10:20 – 11:00 *Coffee break*
- 11:00 – 11:20 KIRSTEN JUNG
"Molecular mechanism and physiological role of translation elongation factor EF-P"
- 11:20 – 11:40 GYTIS JANKEVICIUS (AG LADURNER)
"Macrodomains regulate nuclear ADP-ribosylation"
- 11:40 – 12:00 SEBASTIAN BULTMANN (AG LEONHARDT)
"Visualization and Manipulation of the Invisible"
- 12:00 – 12:20 FILIPPO CERNILOGAR (AG SCHOTTA)
"Epigenetic regulation of lineage commitment"
- 12:20 – 12:40 ZUZANA STORCHOVA
"Aneuploidy and maintenance of protein homeostasis in human cells"
- 12:40 *Lunch*
- End*