



**International Graduate School
from Embryo to Old Age**
the cell biology and genetics of health and disease
Zülpicher Straße 47a, 50674 Cologne, Germany



First Year Report IGSDHD class 2012

Monday, 26. May 2014 Institute for Genetics, Lecture hall 0.40

11:15-11:35 Silvia Ebert (Schwarz, Rugarli, Höning)

„Palmitoylation-dependent regulation of gephyrin clustering at inhibitory synapses“

11:35-11:55 Robin Schwarzer (Pasparakis, Langer, Niessen)

„Inflammatory signaling in intestinal disease“

11:55-12:15 Christian Pichlo (Baumann, Schwarz, Langer)

Structure-Function Relationships in Proprotein Convertase S1P

12:15-12:35 Svenja Schneider (Wirth, Kloppenburg, Hoppe)

„Identification and characterization of potential molecular modifiers of spinal muscular atrophy (SMA)“

coffee break 15'

12:50-13:10 Aathmaja Rengarajan (Schnetz, Maier, Dohmen)

“H-NS Repression and its Interference by transcription”

13:10-13:30 Kanika Sharma (Korsching, Hofmann, Arnd Baumann FZ Jülich)

„Modeling and experimental verification of ligand-receptor interaction in a high affinity cadaverine receptor with an unusual bifunctional ligand requirement“

13:30-13:50 Carmen Mross (Neumann, Baumann, Dohmen)

„Functional characterisation of the Nesprin-2 – SMC interaction“

coffee break 10'

14:00-14:20 Franziska Ottens (Gehring, Hoppe, Dohmen)

„Identification of endogenous NMD targets and their role in cellular stress response in human and *C. elegans*“

14:20-14:40 Tobias Fatscher (Gehring, Schnetz, Lammers)

„The interaction of cytoplasmic poly(A)-binding protein with eukaryotic initiation factor 4G suppresses nonsense-mediated mRNA decay. “

14:40 – 15:00 Philipp Knyphausen (Schwarz, Gehring, Lammers)

„Regulation of the small GTPase Ran by posttranslational lysine acetylation “