HBIGS Summer School 2009, May 18-21
Hotel Ebertor, Boppard, Germany
– Agenda -

Mon, 18 May

11.00 – 14.00 Registration at Hotel Ebertor, Boppard

Session 1: Molecular mechanisms of DNA replication and DNA damage checkpoint

14.00 – 14.45 **Julian Blow**: How to achieve 100% in an uncertain world: the organization of DNA replication to ensure complete genome duplication

15.00 – 15.15 **Kathleen Klotz**: Consequences of transient cdt1 over-expression on the mammalian cell cycle

15.15 – 16.15 **David Gillespie**: Roles of Chk1 and Chk2 in checkpoint signalling: who does what and when?

16.15 – 16.45 *Coffee Break*

Session 2: G2/M transition

16.45 – 17.30 **Iain Hagan**: NDR kinase control of NIMA kinase activity regulates the timing of mitotic commitment in fission yeast

17.45 – 18.30 **Stephen Taylor**: Small molecule inhibitors of the spindle checkpoint

19.00 *Dinner*

Tue, 19 May

Session 3: Centromere Biology

09.00 – 09.45 **Bill Earnshaw**: A multi-dimensional proteomic approach to identify all vertebrate centromere proteins

10.00 – 10.15 **Jan Bergmann**: Hierarchical inactivation of a synthetic human kinetochore by chromatin modifiers

10.15 – 11.00 **Sylvia Erhardt**: Function and Deposition of the Centromere-Specific Histone Variant Cenp-A / CID

11.15 – 11.45 *Coffee Break*

11.45 – 12.30 **Tomo Tanaka**: Kinetochore capture and bi-orientation on the mitotic spindle

12.45 – 13.00 **Sapan Gandhi**: Mechanisms of microtubule rescue promoted by associated kinetochores in prometaphase

13.00 – 14.30 *Lunch*

14.30 *Boat Trip to Loreley/Dinner*

Wed, 20 May

Session 4: Spindle Assembly/Centrosome biology

09.00 – 09.45 **Andrew Fry**: NIMA-related kinases in cell cycle control and human disease

10.00 – 10.15 **Balca Mardin**: Centrosome splitting: a concerted action between Nek2A and components of the Hippo pathway

10.15 – 11.00 **Monica Bettencourt-Dias**: Centriole Biogenesis and Evolution

11.15 – 11.45 *Coffee Break*

11.45 – 12.00 **Inés Cunha Ferreira**: SAK/PLK4 degradation by the SCF/Slimb complex limits centrosome amplification

12.00 – 12.45 **Oliver Gruss**: Control of Spindle Microtubule Stability at Metaphase to Anaphase Transition

13.00 – 14.30 *Lunch*

14.30 – 15.15 **Isabell Vernos:** The role of molecular motors in bipolar spindle assembly and stabilization

15.30 – 15.45 **Martin Schütz:** The role of Nek9 in spindle assembly

15.45 – 16.15 *Coffee Break*

Session 5: Mitotic exit /Phosphoproteome

16.15 – 17.00 **Elmar Schiebel**: Regulation of mitotic exit

17.15 – 18.00 **Henrik Daub**: Quantitative phosphoproteomics of protein kinases and their substrates in mitosis

19.00 *Dinner/Wine tasting*

Thu, 21 May

08.00 Breakfast/Farewell