



Day 1 - Friday, October 10

08h15 - Bus departs from Hotel Riviera

08h45 - Bus arrives at ITQB

09h00 - 09h30 Welcome and Introduction

Session 1 - Structural Biology (9:30 – 13:00)

(Chairs: Tiago Bandeiras and Oscar Llorca)

09h30-10h05 - Structure and mechanisms of complexes containing pontin and reptin (Oscar Llorca (Departamento de Biología Físico-Química, Centro de Investigaciones Biológicas, Madrid, Spain)

10h05-10h40 - Hybrid structure of the INO80 chromatin remodeler and its pontin/reptin subcomplex (Karl-Peter Hopfner, Gene Center and Department of Biochemistry, Ludwig-Maximilians-University Munich, Germany)

10h40-11h20 Coffee break

11:20-11:40 - Crystallization and preliminary diffraction studies of human RuvBL2 (Sara Silva, Instituto de Tecnologia Química e Biológica António Xavier, Universidade Nova de Lisboa, Oeiras, Portugal)

11:40-12:00 - Structural basis for the phosphorylation dependent recruitment of Tel2 to Hsp90 by Pih1 (Mohinder Pal, MRC Genome Damage and Stability Centre, University of Sussex, Falmer, United Kingdom)

12:00-12:20 - Double-stranded DNA affects dynamics of lytic water molecules in the catalytic sites of TIP49a/b hexamers (Arina Afanasyeva, Department of Biophysics, St.-Petersburg State Polytechnical University, St.-Petersburg, Russia)

12:20-12:40 - Molecular dynamics of Pontin and Reptin interactions (Rémy Bailly, Chimie et Biologie des Membranes et des Nano-objets, CNRS UMR 5248, Université de Bordeaux, Pessac, France)

12:40-13:00 - DNA binding by Pontin visualized at the single-molecule level using the Dendra2-Pontin fusion protein (Georgii Pobegalov, Institute for Nanobiotechnology, St.-Petersburg State Polytechnical University, St.-Petersburg, Russia)



13h00-15h00 Lunch and Discussions

Session 2 - Chromatin remodeling and pre-rRNA processing (15:00 – 17:40)

(Chairs: Oscar Llorca and Walid Houry)

15h00-15h35 - Functional and structural aspects of the R2TP complex (Walid Houry, Department of Biochemistry, University of Toronto, Toronto, Canada)

15h35-16h10 - Role of HSP90 and the R2TP complex during the assembly of box C/D snoRNPs (Edouard Bertrand, Institut de Génétique Moléculaire de Montpellier, France)

16h10-17h00 Tea break and Discussions

17h00-17h20 - Mammalian INO80 complex is required for Replication and Replication Stress Recovery (Anastas Gospodinov, Institute of Molecular Biology, Bulgarian Academy of Sciences, Sofia, Bulgaria)

17h20-17h40 - Identification of novel chromatin decondensation factors (Daniel Moreno-Andrés, Friedrich Miescher Laboratory of the Max Planck Society, Tübingen, Germany)

17h50 - Bus departs to Hotel Riviera

Free evening



Day 2 - Saturday, October 11

08h15 - Bus departs from Hotel Riviera

08h45 - Bus arrives at ITQB

Session 3 - Regulation of gene expression (9:00 – 13:10)

(Chairs: Sung Hee Baek and Anindya Dutta)

09h00-09h35 - Role of RVB proteins in maintaining the activities of chromatin remodeling complexes (Anindya Dutta, University of Virginia School of Medicine, Charlottesville, USA)

09h35-10h10 - Regulation of gene expression during the interferon innate immune response (David E. Levy, NYU School of Medicine, New York, USA)

10h10-11h00 Coffee break and Discussions

11h00-11h30 - Pontin/Reptin as regulators of nuclear hormone receptors (Otmar Huber, Jena University Hospital, Friedrich-Schiller-University, Jena, Germany)

11h30-11h50 - A new function for Reptin: the regulation of the insulin signalling pathway (Anne-Aurélien Raymond, GREF, INSERM U1053, University of Bordeaux, Pessac, France)

11h50-12h10 - Targeting Reptin function in Acute Myeloid Leukaemia (Elena Armenteros-Monterroso, UCL Institute of Child Health and Great Ormond Street Hospital for Children NHS Trust, London, United Kingdom)

12h10-12h30 - Specific functions of Pontin and Reptin in hepatocellular carcinoma (Osman Breig, GREF, INSERM U1053, University of Bordeaux, Pessac, France)

12h30-12h50 - Role of Reptin in the regulation of DNA double strand breaks repair in human hepatocellular carcinoma (Anne-Aurélien Raymond, GREF, INSERM U1053, University of Bordeaux, Pessac, France)

12h50-13h10 - The Neurospora crassa ORF NCU03482 encodes the human RUVBL1 orthologous protein that binds to the Stress Responsive Element (STRE) (Maria Célia Bertolini, Departamento de Bioquímica e Tecnologia Química, Instituto de Química, UNESP, Araraquara, Brazil)

13h10-15h00 Lunch and Discussions



Session 4 - Transcription and Interactome (15:00 – 16:10)

(Chairs: Anindya Dutta and Sung Hee Baek)

15h00-15h35 - Roles of Pontin as chromatin remodeling factor in stem cells and metabolism

(Sung Hee Baek, School of Biological Sciences, Seoul National University, Seoul, South Korea)

15h35-16h10 - Chemical biology approaches to stratify the Reptin/RuvBL2 interactome in human cell systems

(Ted Hupp, Edinburgh Cancer Research Centre, UK)

16h10-17h00 Tea break and Discussions

Session 5 – Pathophysiology I (17:00 – 18:10)

(Chairs: Pedro Matias and Jean Rosenbaum)

17h00-17h35 - Role of Reptin in liver pathophysiology

(Jean Rosenbaum, INSERM U1053, Université Bordeaux Segalen, Bordeaux, France)

17h35-18h10 - The roles of RUVBL1/RUVBL2 in viral infection

(Sara Cherry, Department of Microbiology, University of Pennsylvania, Philadelphia, USA)

18h15 - Bus departs to Hotel Riviera

20h00 - Workshop Dinner at Hotel Riviera



Day 3 - Sunday, October 12

08h15 - Bus departs from Hotel Riviera

08h45 - Bus arrives at ITQB

Session 5 - Pathophysiology II (9:00 – 11:25)

(Chairs: Pedro Matias and Jean Rosenbaum)

09h00-09h15 - Role of R2TP/HSP90 system in mouse development and colorectal carcinogenesis (Chloé Maurizy, Institut de Génétique Moléculaire de Montpellier, CNRS UMR 5535, Montpellier, France)

09h15-09h50 - The epigenetic factor Reptin regulates zebrafish development through both cilia dependent and independent pathways (Zhaoxia Sun, Department of Genetics, Yale University School of Medicine, New Haven, USA)

09h50-10h20 Coffee break and Discussions

10h20-10h45 - A role for pontin in the pathogenesis of cystic kidney disease and the biology of primary cilia (Bernhard Schermer, Department II of Internal Medicine and Center for Molecular Medicine, University of Cologne, Cologne, Germany)

10h45-11h10 - Acquisition of novel Pontin/Reptin inhibitors exhibiting in vitro/in vivo antitumor activities (Takehiko Takata, Oncology Research Laboratories, Daiichi Sankyo Co., Ltd., Tokyo, Japan)

11h10-11h25 - Liver-conditional Ruvbl1+/- mice show reduced cancer induction by N-diethylnitrosamine (Tommaso Mello, Dept. of Biomedical, Experimental and Clinical Sciences, University of Florence, Florence, Italy)

11h25-12h00 - Conclusions, end of meeting

12h15 - Bus departs to Hotel Riviera