

15:15 – 16:45 **Concurrent Session III: IRE / IRP**

Location: Arquivo

Chairs: Robert Crichton, Wavre, Belgium and Lucas Kühn, Epalinges, Switzerland

- 15:15 15 FUNCTION OF THE IRE/IRP REGULATORY NETWORK IN SYSTEMIC IRON METABOLISM AND CENTRAL ORGANS FOR IRON HOMEOSTASIS**
Bruno Galy, PhD, Dunja Ferring-Appel, Sylvia Kaden, Hermann-Josef Groene and Matthias Hentze
European Molecular Biology Laboratory
(Presented By: Bruno Galy, PhD)
- 15:30 16 A NOVEL IRP2-/- MOUSE MODEL DISPLAYS LOCOMOTOR DYSFUNCTION AND NEURONAL IRON ACCUMULATION**
Kimberly Zumbrennen, PhD, Sabine Holter, PhD, Lore Becker, PhD, Brigit Rathkolb, PhD, Eva Rodansky, BSc and Elizabeth Leibold, PhD
University of Utah
(Presented By: Kimberly Zumbrennen, PhD)
- 15:45 17 GENOME-WIDE MRNA IDENTIFICATION AND PROTEOMIC ANALYSIS OF THE IRE/IRP REGULATORY NETWORK**
Matthias Hentze, Prof Dr¹, Mayka Sanchez, Dr¹, Bjoern Schwanhaeusser, Dr², Jonathon Blake, Dr³, Bruno Galy, Dr³, Yehven Vainshtein³, Tomi Bähr-Ivacevic³, Vladimir Benes, Dr³, Matthias Selbach, Dr² and Martina U. Muckenthaler, Dr⁴
¹Molecular Medicine Partnership Unit (MMPU), Im Neuenheimer Feld 153, 69120 Heidelberg, Germany and European Molecular Biology Laboratory (EMBL), Meyerhofstrasse 1, 69117 Heidelberg, Germany; ²Max Delbrueck Center for Molecular Medicine, Robert Roessle Str. 10, 13125 Berlin, Germany; ³European Molecular Biology Laboratory (EMBL), Meyerhofstrasse 1, 69117 Heidelberg, Germany; ⁴Molecular Medicine Partnership Unit (MMPU), Im Neuenheimer Feld 153, 69120 Heidelberg, Germany and Department of Pediatric Oncology, Hematology and Immunology, University of Heidelberg, Im Neuenheimer Feld 153, 69120 Heidelberg, Germany
(Presented By: Matthias Hentze, Prof Dr)
- 16:00 18 DEGENERATION OF MOTOR NEURONS IN THE SPINAL CORD OF IRP NULL MICE**
Suh Young Jeong, PhD¹, Bernard S. Jortner, VMD², Hayden Ollivierre³, Manik Ghosh, PhD³, Sharon Cooperman, MD, PhD³, Rachid Sougrat, PhD³ and Tracey A. Rouault, MD³
¹NIH; ²Virginia Tech; ³NICHD, NIH
(Presented By: Suh Young Jeong, PhD)
- 16:15 19 FERROCHELATASE DEFICIENCY IN ERYTHROPOIETIC TISSUES OF MICE LACKING IRON REGULATORY PROTEIN 2**
Daniel Crooks, MS¹, Manik Ghosh, PhD², Hayden Olivierre-Wilson² and Tracey Rouault, MD²
¹Georgetown University; ²NICHD
(Presented By: Daniel Crooks, MS)
- 16:30 20 IRON-INDEPENDENT PHOSPHORYLATION OF IRP2 REGULATES G2/M TRANSITION DURING CELL CYCLE PROGRESSION**
Elizabeth Leibold, PhD, Michelle Wallander, PhD, Kimberly Zumbrennen, PhD, Joshua Romney, PhD and Eva Rodansky, BS
University of Utah
(Presented By: Elizabeth Leibold, PhD)