

17:00 – 18:30 Concurrent Session IV: Iron Homeostasis and HFE Revisited

Location: Arquivo

Chairs: Martina Muckenthaler, Hiedelberg, Germany and Nathan Subramaniam, Brisbane, QLD, Australia

- 17:00 21 HIF-2 ALPHA BUT NOT HIF-1 ALPHA IS A KEY REGULATOR OF IRON ABSORPTION**
Maria Mastrogiannaki¹, Pavle Matak, PhD², Brian Keith, PhD³, Celeste Simon, PhD³, Sophie Vaulont, PhD² and Carole Peyssonnaud, PhD²
¹Institut Cochin; ²Institut Cochin, Université Paris Descartes, CNRS (UMR 8104), Inserm U567, Paris 75014, France; ³Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia, PA, USA
(Presented By: Maria Mastrogiannaki)
- 17:15 22 BMP-SMAD SIGNALING IS IMPAIRED IN AN HFE KO MOUSE MODEL**
Elena Corradini, MD^{1,4}, Cinzia Garuti, PhD², Giuliana Montosi, PhD², Billy Andriopoulos Jr, PhD³, Yin Xia, PhD³, Herbert Y. Lin, MD, PhD³, Antonello Pietrangelo, MD, PhD² and Jodie L. Babitt, MD³
¹Program in Membrane Biology, Division of Nephrology, Center for Systems Biology, Massachusetts General Hospital, Harvard Medical School, Boston, MA; ²Center for Hemochromatosis, University Hospital of Modena and Reggio Emilia, Modena, Italy; ³Program in Membrane Biology, Division of Nephrology, Center for Systems Biology, Massachusetts General Hospital, Harvard Medical School, Boston, MA; ⁴Center for Hemochromatosis, University Hospital of Modena and Reggio Emilia, Modena, Italy
(Presented By: Elena Corradini, MD)
- 17:30 23 PHOSPHORYLATION OF RECEPTOR-ACTIVATED SMAD1/5/8 IS NOT ENHANCED IN HFE-DEFICIENT MICE DESPITE INCREASED BMP6 EXPRESSION**
Leon Kautz, PhD student¹, Delphine Meynard, PhD², Valerie Darnaud², Helene Coppin, PhD² and Marie-Paule Roth, MD, PhD²
¹INSERM; ²INSERM U563
(Presented By: Leon Kautz, PhD)
- 17:45 24 INTERACTION OF THE HEREDITARY HEMOCHROMATOSIS PROTEIN, HFE, WITH TRANSFERRIN RECEPTOR 2 IS REQUIRED FOR TRANSFERRIN-INDUCED HEPCIDIN EXPRESSION**
Junwei Gao, PhD¹, Juxing Chen, PhD¹, Maxwell Kramer, BA¹, Hidekazu Tsukamoto, MD², An-Sheng Zhang, MD¹ and Caroline Enns¹
¹Oregon Health & Science University; ²University of Southern California
(Presented By: Caroline Enns, PhD)
- 18:00 25 REGULATION OF HEPCIDIN BY DIETARY IRON IN MICE WITH FUNCTIONAL LOSS OF HFE AND TRANSFERRIN RECEPTOR 2**
Robert Fleming, MD, Robert Britton, PhD, Mary Migas, MS, Margaret Rozier, BSc, Abdul Waheed, PhD and William Sly, MD
Saint Louis University School of Medicine
(Presented By: Robert Fleming, MD)
- 18:15 26 INVESTIGATION OF HFE-DEPENDENT REGULATION OF HEPCIDIN EXPRESSION**
Paul Schmidt, PhD¹, Mark Fleming, MD, DPhil¹ and Nancy Andrews, MD, PhD²
¹Children's Hospital Boston; ²Duke University School of Medicine
(Presented By: Paul Schmidt)