

15:15 – 16:45

Concurrent Session XII: Novelties – From Approaches to Therapies

Location: D. Maria

Chairs: Sonia Levi, Milano, Italy and Elisabeta Nemeth, Los Angeles, CA, USA

- 15:15 79 USE OF JAK2 INHIBITORS TO LIMIT INEFFECTIVE ERYTHROPOIESIS AND IRON ABSORPTION IN MICE AFFECTED BY BETA-THALASSEMIA MAJOR, N°79**
Luca Melchiori, graduate student¹, Sara Gardenghi, PhD², Ella Guy, BaS², Nan Chen, BaS², Eliezer A. Rachmilewitz, MD³, Patricia J. Giardina, MD², Robert W. Grady, PhD² and Stefano Rivella, PhD²
¹Weill Cornell Medical College; ²Weill Cornell Medical College, New York; ³Wolfson Medical Center, Israel
(Presented By: Luca Melchiori, graduate student)
- 15:30 80 EXOGENOUS TRANSFERRIN AMELIORATES DISEASE IN BETA-THALASSEMIC MICE**
Yelena Ginzburg, MD¹, Huihui Li, MS¹, Anne Rybicki, PhD², Sandra Suzuka, MS³, Leni von Bonsdorff, PhD⁴, William Breuer, PhD⁵, Z. Ioav Cabantchik, MD, PhD⁵, Eric Bouhassira, PhD³ and Mary Fabry, PhD³
¹New York Blood Center; ²Montefiore Medical Center; ³Albert Einstein College of Medicine; ⁴Sanquin; ⁵Hebrew University of Jerusalem
(Presented By: Yelena Ginzburg, MD)
- 15:45 81 DEVELOPMENT OF BMP ANTAGONISTS FOR EXPERIMENTAL AND THERAPEUTIC CONTROL OF HEPcidIN EXPRESSION**
Randall Peterson, PhD, Paul Yu, MD, PhD, Chetana Sachidanandan, PhD, Greg Cuny, PhD, Charles Hong, MD, PhD and Kenneth Bloch, MD
Harvard Medical School
(Presented By: Randall Peterson, PhD)
- 16:00 82 NATURAL AND SYNTHETIC STAT3 INHIBITORS REDUCE SIGNIFICANTLY HEPcidIN EXPRESSION IN DIFFERENTIATED MOUSE HEPATOCYTES EXPRESSING THE ACTIVE PHOSPHORYLATED FORM OF STAT3**
Nadia Fatih¹, Emilie Camberlein, PhD², Marie-Laure Island, PhD², Anne Corlu, PhD², Emmanuelle Abgueguen, PhD², Patricia Leroyer², Pierre Brissot, MD² and Olivier Loréal, MD, PhD²
¹INSERM U522, University of Rennes1, Rennes France; ²INSERM U522, University of Rennes 1, Rennes
(Presented By: Nadia Fatih)
- 16:15 83 GENE REGULATION THERAPY UTILIZING FERRITIN HEAVY CHAIN**
Robert H. Broyles, BSc, PhD¹, Visar Belegu, PhD², Marie Trudel, DSc³, Sonia Levi, PhD⁴ and Paola Arosio, PhD⁵
¹Univ of Oklahoma Health Sciences Ctr.; ²Johns Hopkins University; ³Institut de Recherches Cliniques de Montréal; ⁴DIBIT-IRCCS, H.San Raffaele, Milano; ⁵Materno Infantile e Tecnologia Biomedicine, University of Brescia
(Presented By: Robert H. Broyles, BSc, PhD)
- 16:30 84 MINIHEPCIDINS: SMALL PEPTIDES INVOLVED IN DISULFIDE EXCHANGE WITH FERROPORTIN ACT AS AGONISTS**
Tomas Ganz, PhD, MD, Gloria Preza, MS, Peter Ruchala, PhD and Elisabeta Nemeth, PhD
University of California, Los Angeles
(Presented By: Tomas Ganz, PhD, MD)