

## 15:15 – 16:45 Concurrent Session VI: Hepcidin

*Location: Arquivo*

Chairs: Sophie Vaultont, Paris, France and Dorine Swinkels, Nijmegen, the Netherlands

- 15:15 39 PRODUCTION OF CORRECTLY-FOLDED, BIOLOGICALLY-ACTIVE HEPCIDIN ENABLED REVISION OF THE PUBLISHED HEPCIDIN STRUCTURE AND GENERATION OF NEUTRALIZING ANTIBODIES**  
Tara Arvedson, PhD, J. Brad Jordan, PhD, Keegan Cooke, Aaron Winters, Leszek Poppe, PhD, Mitsuru Haniu, Greg Dyas, Jacob Corcoran, Helen Kim, PhD, Hiko Kohno, PhD, Vivian Li, Ching Chen, PhD, Paul Schnier, PhD, Rashid Syed, PhD, Les P. Miranda, PhD, Janet Cheetham, PhD and Barbra J. Sasu, PhD  
Amgen  
(Presented By: Tara Arvedson, PhD)
- 15:30 40 HEPCIDIN INDUCED INTERNALIZATION OF FERROPORTIN REQUIRES BINDING AND COOPERATIVE INTERACTION WITH JAK2**  
Ivana De Domenico, PhD, Diane Ward, PhD and Jerry Kaplan, PhD  
University of Utah  
(Presented By: Ivana De Domenico, PhD)
- 15:45 41 MECHANISMS OF HEPCIDIN INHIBITION BY NOVEL Tmprss6 (Matriptase-2) Mutations Associated with IRIDA**  
Laura Silvestri, PhD<sup>1</sup>, Flavia Guillem<sup>2</sup>, Alessia Pagani<sup>3</sup>, Antonella Nai<sup>3</sup>, Luigia De Falco<sup>4</sup>, Achille Iolascon<sup>4,5</sup>, Carole Beaumont<sup>2</sup>, Bernard Grandchamp<sup>6,7</sup> and Clara Camaschella<sup>3</sup>  
<sup>1</sup>San Raffaele Scientific Institute; <sup>2</sup>INSERM UMR773, University Paris Diderot, site Bichat, Paris, France; <sup>3</sup>Vita-Salute San Raffaele University, Istituto Scientifico San Raffaele, Milan, Italy; <sup>4</sup>Centre of Genetics Engineering (CEINGE) Advanced Biotechnologies, Naples, Italy; <sup>5</sup>Department of Biochemistry and Medical Biotechnologies, University Federico II, Naples; <sup>6</sup>INSERM UMR773, University Paris Diderot, site Bichat, Paris; <sup>7</sup>APHP, Hôpital Xavier Bichat, Service de Biochimie Hormonale et Génétique, Paris, France  
(Presented By: Laura Silvestri, PhD)
- 16:00 42 HEMOJUVELIN/NEOGENIN INTERACTION IS REQUIRED FOR BMP4-INDUCED HEPCIDIN EXPRESSION**  
An-Sheng Zhang<sup>1</sup>, Fan Yang<sup>2</sup>, Jiaohong Wang<sup>3</sup>, Hidekazu Tsukamoto<sup>3</sup> and Caroline Enns<sup>1</sup>  
<sup>1</sup>Oregon Health & Science University; <sup>2</sup>California Institute of Technology; <sup>3</sup>University of Southern California  
(Presented By: An-Sheng Zhang)
- 16:15 43 RESULTS OF THE FIRST INTERNATIONAL ROUND ROBIN FOR THE QUANTIFICATION OF URINARY AND PLASMA HEPCIDIN ASSAYS: NEED FOR STANDARDISATION**  
Joyce Kroot<sup>1</sup>, Erwin Kemna, PhD<sup>2</sup>, Sukhvinder Bansal, PhD<sup>3</sup>, Mark Busbridge, PhD<sup>4</sup>, Natascia Camprotrini, MSc<sup>5</sup>, Domenico Girelli, MD, PhD<sup>5</sup>, Robert Hider, PhD<sup>3</sup>, Vasiliki Koliaraki, MSc<sup>6</sup>, Avgi Mamalaki, PhD<sup>6</sup>, Gordana Olbina, PhD<sup>7</sup>, Naohisa Tomosugi, MD<sup>8</sup>, Chris Tselepis, PhD<sup>9,10</sup>, Douglas Ward, PhD<sup>9,10</sup>, Tomas Ganz, MD, PhD<sup>11</sup>, Jan Hendriks, PhD<sup>12</sup> and Dorine Swinkels, MD, PhD<sup>2</sup>  
<sup>1</sup>Radboud University Nijmegen Medical Center – Dept. of Clinical Chemistry; <sup>2</sup>Radboud University Medical Center – Dept. of Clinical Chemistry; <sup>3</sup>King's College London – Pharmaceutical Sciences Division; <sup>4</sup>Imperial College HealthCare Trust, Hammersmith Hospital – Dept. of Clinical Chemistry; <sup>5</sup>University of Verona – Dept. of Clinical and Experimental Medicine, Section of Internal Medicine; <sup>6</sup>Hellenic Pasteur Institute – Laboratory of Molecular Biology & Immunobiotechnology, Dept. of Biochemistry; <sup>7</sup>Intrinsic Life Sciences; <sup>8</sup>Kanazawa Medical University – <sup>9</sup>Division of Advanced Medicine, Medical Research Institute/Division of Nephrology; <sup>10</sup>University of Birmingham – CRUK Institute for Cancer Studies; <sup>11</sup>Intrinsic Life Sciences/David Geffen School of Medicine UCLA – Dept. of Medicine; <sup>12</sup>Radboud University Nijmegen Medical Center – Dept. of Epidemiology and Biostatistics  
(Presented By: Joyce Kroot)
- 16:30 44 ANTI-HEPCIDIN THERAPY IS AN EFFECTIVE TREATMENT FOR THE ANEMIA OF INFLAMMATION IN MICE**  
Keegan Cooke, Jeanne Sloan, Adrienne Augustic, Tara Arvedson, Cherylene Plewa, Aaron Ellison, Jackie Sheng, Aaron Winters, Hongyan Li, C. Glenn Begley, Graham Molineux and Barbra J. Sasu  
Amgen  
(Presented By: Tara Arvedson, PhD)