

08:45 - 09:10 Registration & Welcome Coffee

09:10 - 09:15 Welcome by Bart Lambrecht

PROTEIN FOLDING HOMEOSTASIS

chair: Sophie Janssens

- 09:15 - 10:15 KEYNOTE: Protein folding homeostasis in the ER
David Ron, Cambridge Institute for Medical Research, UK
- 10:15 - 10:50 Strategies to survive protein quality control failure and prevent neurodegenerative diseases
Anne Bertolotti, University of Cambridge, UK
- 10:50 - 11:20 Coffee Break
- 11:20 - 11:55 Protein folding and stress in the ER
Ineke Braakman, University of Utrecht, NL
- 11:55 - 12:30 Regulation of ER quality control
Hidde Ploegh, Whitehead Institute for Biomedical Research, US
- 12:30 - 12:45 *Selected abstract:* Viral control of autophagy to reprogram the host cell secretome
Jennifer Corcoran, Dalhousie University, CA
- 12:45 - 12:50 *Sponsored talk:* Amnis capabilities for Immunological research
Erwin Swart, Cellular Analysis Specialist at Merck Millipore, NL
- 12:50 - 13:30 Lunch
- 13:30 - 14:15 Poster Session - odd numbers

THE UPR IN INFLAMMATORY DISEASES

chair: Hamida Hammad

- 14:15 - 14:50 Mitochondrial Control of Inflammation
Michael Karin, University of California - Department of Pharmacology, US
- 14:50 - 15:25 Fruitfly as a tool to uncover the mechanisms of ER stress response in human disease models
Sébastien Gaumer, Université de Versailles Saint-Quentin-en-Yvelines, FR
- 15:25 - 15:40 *Selected abstract:* Activation of UPR transducer ATF6 α and increases in PDIA3 is required for influenza A virus (IAV) propagation and development of lung immunopathology
Vikas Anathy, University of Vermont, US
- 15:40 - 16:10 Coffee Break
- 16:10 - 16:45 The role of the IRE1 α /XBP1-branch in dendritic cells
Sophie Janssens, VIB-UGent Center for Inflammation Research, BE
- 16:45 - 17:20 Endoplasmic reticulum stress for immunotherapy against cancer; from translational medicine to molecular mediators
Patrizia Agostinis, Department of Cellular and Molecular Medicine, KU Leuven, BE
- 17:20 - 17:55 Immune Mechanisms of Intestinal Injury Derived from ER stress in the Intestinal Epithelium
Richard Blumberg, Harvard Medical School, US
- 17:55 - 19:00 Reception
- 19:30 - 22:30 Conference Dinner

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AUTOPHAGY IN PHYSIOLOGY AND PATHOLOGY

chair: Adrian Liston

- 09:15 - 10:15 KEYNOTE: Mitophagy and Links to Immunity
Beth Levine, HHMI & Texas Southwestern Medical Center, US
- 10:15 - 10:50 The key intersections of autophagy and immunity
Vojo Deretic, University of New Mexico, US
- 10:50 - 11:20 Coffee Break
- 11:20 - 11:55 LC3-associated phagocytosis in autoimmunity
Miguel A Sanjuan, MedImmune, US
- 11:55 - 12:30 How Autophagy Defends the Cytosol Against Bacterial Invasion
Felix Randow, MRC Laboratory of Molecular Biology Cambridge, UK
- 12:30 - 12:45 *Selected abstract:* The ubiquitin-ligase Smurf1 functions in selective autophagy of M. tuberculosis and anti-tuberculous host defense
Michael Shiloh, University of Texas Southwestern Medical Center, US
- 12:45 - 12:50 *Sponsored talk:* Tools & techniques to study autophagy using fluorescence microscopy
Nick Dolman, Senior Staff Scientist at ThermoFisher, US
- 12:50 - 13:30 Lunch
- 13:30 - 14:15 Poster Session - even numbers

HOST DEFENSE, ER STRESS AND AUTOPHAGY

chair: Geert van Loo

- 14:15 - 14:50 Stress-induced ER-phagy and the type-1 interferon response
Julie Magarian Blander, Weill Cornell Medicine, US
- 14:50 - 15:25 Innate immune sensing of ER stress via NOD1/NOD2
Renée M. Tsois, University of California, Davis, US
- 15:25 - 15:40 *Selected abstract:* The p110δ PI3K isoform is a signalling component of NOD2-mediated gastrointestinal immunity and inflammation
Esra Aksoy, Barts and the London School of Medicine and Dentistry, Queen Mary University, US
- 15:40 - 16:10 Coffee Break
- 16:10 - 16:45 ER stress in diabetes: Beta cell fragility
Adrian Liston, VIB-KU Leuven Center for Brain & Disease Research, BE
- 16:45 - 17:20 Autophagy genes in inflammation and immunity
Herbert 'Skip' Virgin, Washington University - School of Medicine, US
- 17:20 - 17:55 Non-canonical roles of autophagy proteins in endocytosis and exocytosis during infection
Christian Münz, University of Zurich, CH
- 17:55 - 18:10 Closing Remarks by Bart Lambrecht