TUESDAY, MARCH 9
Arrival and Registration

WEDNESDAY, MARCH 10
EV Isolation, Characterization and Normalization
Kenneth W. Witwer, Johns Hopkins Medical Institutions, USA
Guidelines (MISEV2018), Rigor and Standardization Initiatives for EV Studies
Laura Jayne Vella, Florey Institute of Neuroscience and Mental Health, Australia
EVs in Neurological Conditions: Mechanisms and Diagnostics.
Robert J. Coffey, Jr., Vanderbilt University Medical Center, USA
Update on Isolation and Characterization of Extracellular Vesicles and Nanoparticles
Aleksandar Milosavljevic, Baylor College of Medicine, USA
Deconvoluting the Biology of exRNA Carriers and their Cargo
Short Talk(s) Chosen from Abstracts
Panel Discussion
Workshop: Mechanisms of EV Targeting and Transfer
Short Talks Chosen from Abstracts
Biogenesis and Transfer of EVs
Pascale Zimmermann, Centre de Recherche en Cancerologie de Marseille and KU Leuven, France
Syntenin-Dependent Exosome Formation and Induced Molecular Signaling in Cell-to-Cell Communication
Maureen M. Barr, Rutgers University, USA
Cilia-Derived Vesicle Biogenesis and Signaling in Animal Communication
Randy W. Schekman, University of California at Berkeley, USA
Mechanisms of miRNA Sorting into EVs
Niek Dekker, AstraZeneca, Sweden
Engineered Extracellular Vesicles for Drug Delivery for Regenerative Therapy
Short Talk(s) Chosen from Abstracts
Poster Session 1

THURSDAY, MARCH 11
EVs and Cancer
Clotilde Théry, Institut Curie, France
Exosomes and Other EVs in Tumor-Immune System Cross-Talk
Jacqueline F. Bromberg, Memorial Sloan Kettering Cancer Center, USA
Packaging and Transfer of Mitochondrial DNA via Exosomes/EVs in Cancer
Andy Minn, University of Pennsylvania, USA
Exosomal/EV-Associated RNA in Stromal Activation and Receptor Signaling in Cancer
Michele De Palma, École Polytechnique Fédérale de Lausanne, Switzerland
Cross Talk between Malignant Cells and the Vascular System, Immune Cells, and Secreted Extracellular Vesicles
Wei Guo, University of Pennsylvania, USA
Exosomal PD-L1 Contributes to Immunosuppression and is associated with anti-PD-1 Response in Melanoma
Short Talk(s) Chosen from Abstracts
EVs and Adipocyte-Obesity-Metabolism
Anthony W. Ferrante, Columbia University, USA
A Lipase-Independent Pathway of Lipid Release and Immune Modulation by Adipocytes
Soazig Le Lay, INSERM, University of Angers, France
Adipose-Derived Extracellular Vesicle subtypes (EVs) in Obesity
Clair Crewe, University of Texas Southwestern Medical Center, USA
Adipocyte Energetic Stress Induces Mitochondrial-Derived Extracellular Vesicle Production to Regulate Systemic Metabolism
Short Talk(s) Chosen from Abstracts

FRIDAY, MARCH 12
EVs in Aging-Nervous System
Eva-Maria Albers, Johannes Gutenberg University of Mainz, Germany
Neurotransmitter-Triggered Transfer of Exosomes Mediates Oligodendrocyte-Neuron Communication
Andrew Hill, La Trobe University, Australia
EVs in Neurodegenerative Diseases
Efrat Levy, NYU Langone Health, USA
ApoE, Abeta and EVs in Pathology of Neurodegenerative Disorders
Short Talk(s) Chosen from Abstracts
Hands-On Workshop: Tools for Analysis of RNA Sequencing Data in Extracellular RNA and EVs
EVs in Immune Responses and Cardiovascular Research
Chantal Boulanger, Inserm, Paris Cardiovascular Centre, France
Intracardiac Extracellular Vesicle Release in Post-Infarction Diabetic Hearts
Susmita Sahoo, Icahn School of Medicine at Mount Sinai, USA
EVs in Myocardial Gene Delivery
Short Talk(s) Chosen from Abstracts
Poster Session 3

SATURDAY, MARCH 13
EVs and Viruses
Matias Ostrowski, University of Buenos Aires, Argentina
HIV Pathogenesis and Extracellular Vesicles-Mediated Inflammation
Esther Nolte-’t Hoen, Utrecht University, Netherlands
Viral and Host Mechanisms driving the Release of EV-enclosed Picornaviruses
Travis Thomson, University of Massachusetts Medical School, USA
EV-Mediated Transsynaptic Communication Mimics Retro-Virus Like Transport Mechanism

* Session Chair † Invited but not yet accepted     Program current as of March 13, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
Nihal Altan-Bonnet, NHLBI, National Institutes of Health, USA
All Aboard: Extracellular Vesicles, Viruses and Strength in Numbers

Short Talk(s) Chosen from Abstracts

Non-Mammalian EVs

Maria Kaparakis-Liaskos, La Trobe University, Australia
Bacterial Membrane Vesicles and their Role in Pathogenesis

Amy H. Buck, University of Edinburgh, UK
RNA Communication in the Gut

Alex Loukas, James Cook University, Australia
Parasitic Worm EVs Regulate Host Cell Function

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

SUNDAY, MARCH 14

Departure