SUNDAY, FEBRUARY 20
Arrival and Registration

MONDAY, FEBRUARY 21
EV Isolation, Characterization and Normalization
Kenneth W. Witwer, Johns Hopkins Medical Institutions, USA
Guidelines (MISEV2018), Rigor and Standardization Initiatives for EV Studies
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

Hands On Workshop: Tools for Analysis of RNA Sequencing Data in Extracellular RNA and EVs
Short Talks Chosen from Abstracts

Biogenesis and Transfer of EVs
Pascale Zimmermann, Centre de Recherche en Cancérologie 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
Randi 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

TUESDAY, FEBRUARY 22
EVs and Cancer
Clotilde Théry, Institut Curie, France
Exosomes and Other EVs in Tumor-Immune System Cross-Talk
Michele De Palma, École Polytechnique Fédérale de Lausanne, Switzerland
Harnessing Tumor-Derived Extracellular Vesicles for Cancer Therapy
Wei Guo, University of Pennsylvania, USA
Exosomal PD-L1 Contributes to Immunosuppression and Is Associated With Anti-PD-1 Response in Melanoma
Short Talks Chosen from Abstracts

EVs in Aging-Nervous System
Andrew Hill, La Trobe University, Australia
EVs in Neurodegenerative Diseases

Efrat Levy, NYU Langone Health, USA
Extracellular Vesicles are Central to Neuronal Endosomal Pathway Integrity in Aging and in Neurodegenerative Diseases
Short Talk(s) Chosen from Abstracts

EVs and Cardio-Metabolic Physio/pathology
Anthony W. Ferrante, Columbia University, USA
A Lipase-Independent Pathway of Lipid Release and Immune Modulation by Adipocytes
Clair Crewe, University of Texas Southwestern Medical Center, USA
Adipocyte Energetic Stress Induces Mitochondrial-Derived Extracellular Vesicle Production to Regulate Systemic Metabolism
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 2

WEDNESDAY, FEBRUARY 23
Non Mammalian EVs and Viruses
Esther Nolte-'t Hoen, Utrecht University, Netherlands
Viral and Host Mechanisms Driving the Release of EV-Enclosed Picornaviruses
Nihal Altan-Bonnet, NHLBI, National Institutes of Health, USA
All Aboard: Extracellular Vesicles, Viruses and Strength in Numbers
Matias Ostrowski, University of Buenos Aires, Argentina
HIV Pathogenesis and Extracellular Vesicles-Mediated Inflammation
Alex Loukas, James Cook University, Australia
Parasitic Worm EVs Regulate Host Cell Function
Short Talk(s) Chosen from Abstracts

Novel Technological Developments
Chioma Okeoma, Stony Brook University, USA
Novel Technologies for EVs and Virus Separation
Jennifer C. Jones, NCI, National Institutes of Health, USA
New Approaches to Individual EV Assays and EV Repertoire Studies
Short Talk(s) Chosen from Abstracts

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

THURSDAY, FEBRUARY 24
Departure

* Session Chair † Invited but not yet accepted Program current as of September 22, 2021. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.