PROGRAM

NOVEMBER 12 (THURSDAY)

2:00-5:00 PM Check-in

3:00-4:10 PM **EARLY-CAREER SESSION**
4:10-4:30 PM Panel Discussion
4:30-4:50 PM Coffee break

4:50-5:00 PM Co-chair's opening remarks

5:00-5:45 PM OPENING PLENARY LECTURE: David Lyden
Weill Cornell Connect
Moderator: Ke Cheng, Columbia University
Talk: Systemic effects of cancer-associated extracellular vesicles and particles

5:45-6:00 PM Sponsor talks (Bronze sponsors)

6:00-8:00 PM Reception (Alcohol will be provided)

NOVEMBER 13 (FRIDAY)

8:00-9:00 AM SESSION 1: EVS ACROSS KINGDOMS

Moderator Santiago Correa, Columbia University

8:00-8:20 AM Kewei Zhao
The Third Affiliated Hospital of Guangzhou University of Chinese Medicine
Talk: CHM-EVLP: Seeing the Grand through the Minuscule Unveiling Oriental Wisdom in the Nanoscale World

8:20-8:40 AM Jisook Moon
CHA University
Talk: Cord blood plasma-derived extracellular vesicles reverse brain aging through central–peripheral metabolic coupling

8:40-9:00 AM Kenneth Dawson
University College Dublin
Talk: Condensate corona-nanoparticle extracellular complexes as endogenous biomolecular transfer programmes

9:00-9:50 AM KEYNOTE SPEAKER: Hailin Jin
UC Riverside
Moderator: Susmita Sahoo, Mount Sinai
Talk: Extracellular Vesicle - mediated Cross-kingdom RNA Communication

9:50-10:05 AM	Platinum Sponsor presentation Nyiah Jordan Lonza *Talk: Advancing Cell-Free and Cell-Based Regenerative Therapies Through Exosome and MSC Innovation*
10:05-10:30 AM	Coffee break
10:30-11:30 AM	**SESSION 2: CARDIOVASCULAR DISEASE & CARDIOMETABOLIC**
Moderator	Gissette Reyes-Soffer, Columbia University Medical Center Uta Erdbruegger, University of Virginia Health System
10:30-10:50 AM	Saumya Das Harvard *Talk: EVs in cardiometabolic diseases: peeling the layers in complex phenotypes*
10:50-11:10 AM	Naveed Akbar Oxford, UK *Talk: Extracellular Vesicle Dysfunction in Genetic Cardiovascular Disease*
11:10-11:30 AM	Raj Kishore Temple University *Talk: Muscle-specific miR-499-5p delivered by small extracellular vesicles impairs endothelial function and ischemic hindlimb recovery in diabetic mice*
11:30-11:40 AM	Gold sponsor
11:40-12:00 AM	Lightning Talks Session 1 (from abstract submissions)
12:00-1:30 PM	Lunch provided & Poster Session 1 (~50 posters)
1:30-3:00 PM	**SESSION 3: REGENERATIVE MEDICINE& THERAPEUTIC EVS**
Moderator	Ananth Kumar Kammala, UTMB
1:30-1:50 PM	Camila Hochman-Mendez Texas Heart Institute *Talk: Beyond Systemic Delivery: Ex Vivo Organ Platforms for Precision EV Therapeutics*
1:50-2:10 PM	Ya-Wen Chen Mount Sinai *Talk: Unveiling Alternate Pathways for SARS-CoV-2 Infection via Extracellular Vesicle-Mediated Transfer of ACE2 and TMPRSS2*
2:10-2:30 PM	Ying Mei MUSC *Talk: Human Cardiac Organoid-Derived Extracellular Vesicles for Heart Repair*
2:30-2:50 PM	Sichen Zhang

Beijing Hospital
Talk: Female aging and Ovarian Dysfunction

2:50-3:10 PM	Two oral presentations selected from abstracts
3:10-3:20 PM	Gold sponsor (Everest Biolabs)
3:20-3:40 PM	**Coffee break**

3:40-5:00 PM	**SESSION 4: CANCER EVS**
Moderator	**Hua Wang, University of Illinois at Urbana-Champaign**
3:40-4:00 PM	**Alissa Weaver** Vanderbilt *Talk: Exosomes in HNSCC metastasis*
4:00-4:20 PM	**Carlos Salomon Gallo** The University of Queensland *Talk: Extracellular Vesicles in Ovarian Cancer: From Oncogenic Transformation to Fit-for-Purpose Strategies for Early Detection and Screening*
4:20-4:40 PM	**Quanyin Hu** UW Madison *Talk: Pyroptotic vesicles as personalized cancer therapeutics*
4:40-5:00 PM	**Valerie LeBleu Kalluri** The University of Texas MD Anderson Cancer Center *Talk: Clinical update on engineered exosomes for pancreatic cancer and beyond*
5:00-5:10 PM	**Gold sponsor (Secretech)**
5:10-6:10 PM	**Panel discussion with editors from Nature and Cell family journals (Chair: Ke Cheng)**
5:10-5:20 PM	Shaila Chari, Cell Stem Cell
5:20-5:30 PM	Rita Strack, Nature BME
5:30-5:40 PM	Chiara Pastore, Nature Nanotech
5:40-6:10 PM	Discussion
6:10-7:30 PM	**Poster session I (refreshments&drinks)**

NOVEMBER 14 (SATURDAY)

8:00-9:00 AM	**SESSION 5: EVS IN CARDIAC REPAIR**
Moderator	**Sam Das, Johns Hopkins University** **Jonathan Weerakkody, Yale School of Medicine**

8:00-8:20 AM	**Philipe Menasche** University of Paris *Talk: Cellular Secretomes for Heart Failure : Clinical Implementation and Challenges*
8:20-8:40 AM	**Sluijter, J.P.G. (Joost)** UMC Utrecht *Talk: Extracellular-vesicle based cardiac delivery; engineering EV Biogenesis for enhanced therapeutic loading*
8:40-9:00 AM	**Robert Gourdie** Virginia Tech *Talk: Milk-Derived Nanovesicles for Connexin43-Targeted Cardioprotection and Radioprotection*
9:05-9:50 AM	**KEYNOTE SPEAKER: Michel W.J. Sadelain** Columbia University Moderator: Mei He, University of Florida *Talk: TBD*
9:50-10:00 AM	Oral presentation selected from abstracts
10:00-10:10 AM	Gold sponsor presentation (Exodus)
10:00-10:30 AM	**Coffee break**

10:30-11:30 AM	**SESSION 6: EV BIOGENESIS, MEMBRANE DYNAMICS**
Moderator	Valerie LeBleu Kalluri, The University of Texas MD Anderson Cancer Center
10:30-10:50 AM	**Dylan T. Burnette** Vanderbilt *Talk: How Cell-Like Can Large Extracellular Vesicles Really Be?*
10:50-11:10 AM	**Sathish Ramakrishnan** Yale University *Talk: The Fusion Code of Extracellular Vesicles*
11:10-11:30 AM	**Louise Laurent** UC San Diego *Talk: Multi-omic Analysis Reveals Relationships Among Source Cells, Extracellular Vesicles, and Non-Vesicular Extracellular Particles*
11:30-11:40 AM	**Gold sponsors**
11:40-12:00 AM	**Lightning Talks Session 2 (from abstract submissions)**
12:00-1:30 PM	**Lunch provided & Poster Session 2 (~50 posters)**

1:30-3:00 PM	**SESSION 7: EV TECHNOLOGIES, MULTI-OMICS &DIAGNOSTICS**
Moderator	Carlos Salomon Gallo, The University of Queensland

	Navneet Dogra, Icahn School of Medicine at Mount Sinai
1:30-1:50 PM	Hubert Hang Yin Tsinghua University *Talk: Purifying, Profiling, Probing, and Programming-Chemical Biology Investigations of Extracellular Vesicles*
1:50-2:10 PM	Jennifer Jones NIH *Talk: TBD*
2:10-2:30 PM	Hsueh-Chia Chang University of Notre Dame *Talk: Nanocarrier Diagnostics: A New Charge and Size-Based Detection Platform*
2:30-2:50 PM	Christine Happel NIH *Talk: Translating Extracellular Vesicles: From ExRNA Discovery to Next-Generation Therapeutics*
2:50-3:10 PM	Silver sponsors (3)
3:10-3:30 PM	**Coffee break**
3:30-5:00 PM	**SESSION 8: NEURAL EV BIOLOGY & NEURODEGENERATION**
Moderator	Navneet Dogra, Icahn School of Medicine at Mount Sinai Bartosz Szczesny, The University of Texas Medical Branch
3:30-3:50 PM	Andrew Hill Victoria University *Talk: Investigating the role of EVs in neurodegenerative diseases*
3:50-4:10 PM	Maureen Barr Rutgers *Talk: The fundamental biology of neuronal extracellular vesicles*
4:10-4:30 PM	Partha Chandra Tulane University *Talk: Extracellular vesicles from human and non-human primates suggest a role in sex-specific HIV-associated neuropathogenesis.*
4:30-4:40 PM	**Silver sponsor (2)**
4:40-5:00 PM	**Award Announcement**
5:00-6:00 PM	**International Panel discussion (Raghu Kalluri, ISEV, Susmita Sahoo, Ke Cheng)**
5:00-5:10 PM	Benedetta Bussolati (ISEV)
5:10-5:20 PM	Raghu Kalluri (AAEV)
5:20-6:00 PM	Discussion

6:00-7:30 PM Poster Session II (refreshments)

NOVEMBER 15 (SUNDAY)

8:00-9:00 AM **SESSION 9: ENGINEERING EVS FOR THERAPEUTIC DELIVERY**

Moderator Yong Tao, Beijing Chaoyang Hospital

8:00-8:20 AM **Huiping Liu**
Northwestern
Talk: AI-accelerated engineering of EV-IgG of ultra-high affinity and efficacy

8:20-8:40 AM **Brian Brown**
Icahn School of Medicine at Mount Sinai
Talk: Do extracellular vesicles play a role in mRNA vaccines?

8:40-9:00 AM **Quan Lu**
Harvard University
Talk: ARMMed for Targeted Intracellular Delivery

9:05-9:50 AM **FOUNDER'S AWARD LECTURE: TBD**
TBD
Moderator: Raghu Kalluri
Talk: TBD

9:50-10:10 AM Young investigator presentation

10:10-10:30 AM **Coffee break**

10:30-11:30 AM **SESSION 10: EVS IN IMMUNE**

Moderator Wei Guo, University of Pennsylvania

10:30-10:50 AM **Rupangi Vasavada**
City of Hope, LA
Talk: Patient-derived extracellular vesicles trigger beta-cell death and contribute to type 1 diabetes pathogenicity

10:50-11:10 AM **My Mahoney**
Thomas Jefferson
Talk: Targeting IFNγ Signaling Through EVs in IVIg

11:10-11:30 AM **Pilar Martin Fernandez**
Spanish National Center for Cardiovascular Research
Talk: Therapeutically targetable T cell-derived EV-miRNA for myocarditis

11:30-11:50	Yibin Kang Princeton University *Talk: Host metadherin coordinates EV-mediated regulation of hepatic lipid metabolism and CD8+ T cell immunity to promote tumor progression*
11:50-12:10 AM	Young investigator presentation
12:10-12:25 PM	Poster Awards Announcement
12:25-12:30 PM	**Closing remarks**

Venue:

The Westin Jersey City Newport
479 Washington Blvd
Jersey City, NJ 07310

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