AAEV 2026

Annual Meeting

Nov 12–15, 2026 · NYC Metropolitan Area

THE WESTIN JERSEY CITY NEWPORT, 479 Washington Blvd, Jersey City, NJ 07310

Co-Chairs



Ke Cheng
Columbia University



Susmita Sahoo
Icahn School of Medicine at Mount Sinai

Keynote Speakers



David Lyden
Weill Cornell Medicine



Hailing Jin
University of California Riverside



Michel W.J. Sadelain
Columbia University

Editors



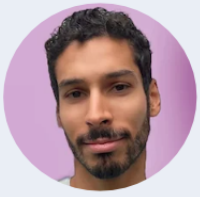
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Cell Stem Cell
Chief Editor



Rita Strack
Nature Biomedical Engineering
Chief Editor



Chiara Pastore
Nature Nanotechnology
Senior Editor



Filipe Almeida
Nature Biomedical Engineering
Senior Editor

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PROGRAM

THURSDAY, NOVEMBER 12

2:00–2:50 PM	**Check-in**
2:50–3:00 PM	**Opening Remarks by the Co-Chairs**
3:00–3:40 PM	**EARLY-CAREER SESSION I**
Moderator	**Saravanakumar Murugesan, University of Alabama at Birmingham** **Xisheng Li, Icahn School of Medicine at Mount Sinai**
3:00–3:10 PM	Ananth Kumar Kammala, The University of Texas Medical Branch at Galveston *Physiologically based pharmacokinetic modeling of an EV-delivered biologic predicts human target-tissue exposure of exosomal IL-10 in pregnancy*
3:10–3:20 PM	Inna Nikonorova, Rutgers University *In vivo dissection of ciliary EV cargo selection reveals a channel-dependent loading pathway*
3:20–3:30 PM	Bo Ning, Tulane University *Plasmon-coupled fluorescent carbon dot networks reveal rare pancreatic cancer derived extracellular vesicles directly in blood*
3:30–3:40 PM	Federica Zanotti, Albert Einstein College of Medicine *Extracellular vesicle proteomics unmasks fundamental metabolic distinctions between quiescent hematopoietic stem cells and their proliferative progenitor populations*
3:40–4:00 PM	**Coffee break (sponsored by BioIVT)**
4:00–4:40 PM	**EARLY-CAREER SESSION II**
Moderator	**Aijun Wang, University of California, Davis** **Robert Raffai, University of California, San Francisco**
4:00–4:10 PM	Yuetong Ding, Heidelberg University Hospital *Circulating extracellular vesicle-bound cardiac troponin T in myocardial homeostasis and disease*
4:10–4:20 PM	Maryam Firouzi, University of Oklahoma Health Campus *Turning tumors against themselves: Exosome-based antibody generation for targeted drug delivery*
4:20–4:30 PM	Edgar Gonzalez Kozlova, Icahn School of Medicine at Mount Sinai *Multi-omic profiling of extracellular vesicles reveals circulating markers of clinical benefit and survival in metastatic urothelial carcinoma*
4:30–4:40 PM	Oh Youn Kim, Harvard T.H. Chan School of Public Health *Development of a universal influenza vaccine using WW domain-activated extracellular vesicles*
4:40–5:00 PM	**Coffee break (sponsored by Particle Metrix)**
5:00–5:50 PM	**OPENING PLENARY LECTURE: David Lyden** **Weill Cornell Medicine** Moderator: Ke Cheng, Columbia University *Systemic effects of cancer-associated extracellular vesicles and particles*

5:50–6:10 PM	**Sponsor talks (Bronze sponsors)** **Kevin Dolan, Particle Metrix** **Ceming Wang, Aopia Biosciences** **Colbie Chinowsky, ONI** **Satoru Nebuya, Sanyo Chemical Industries** **Ryan Willingham, BioIVT** **Botai Xuan, Izon**
6:10–7:30 PM	**Reception (food and alcoholic beverages provided)** **(sponsored by Aopia Biosciences, ONI, Izon)**

FRIDAY, NOVEMBER 13

8:00–9:00 AM	**SESSION 1: EVs ACROSS KINGDOMS**
Moderator	**Santiago Correa, Columbia University** **Sabrina Simoes, Columbia University**
8:00–8:20 AM	**Sichen Zhang** **Beijing Hospital, Beijing, China** *Female aging and ovarian dysfunction*
8:20–8:40 AM	**Jisook Moon** **CHA University** *Cord blood plasma-derived extracellular vesicles reverse brain aging through central–peripheral metabolic coupling*
8:40–9:00 AM	**Kenneth Dawson** **University College Dublin** *Condensate corona-nanoparticle extracellular complexes as endogenous biomolecular transfer programmes*
9:00–9:45 AM	**KEYNOTE SPEAKER: Hailing Jin** **University of California, Riverside** Moderator: Susmita Sahoo, Icahn School of Medicine at Mount Sinai *Extracellular vesicle–mediated cross-kingdom RNA communication*
9:45–10:00 AM	Platinum sponsor presentation **Nyiah Jordan, Lonza** *Advancing cell-free and cell-based regenerative therapies through exosome and MSC innovation*
10:00–10:10 AM	**Xin Zhang** **Duke University** *Plasma extracellular vesicles carry microRNAs associated with 10-year survival of older adults*
10:10–10:30 AM	**Coffee break (sponsored by Sanyo Chemical Industries, Aureole)**
10:30–11:30 AM	**SESSION 2: CARDIOMETABOLIC & CARDIOVASCULAR DISEASES**
Moderator	**Gissette Reyes-Soffer, Columbia University Medical Center** **Uta Erdbruegger, University of Virginia Health System**
10:30–10:50 AM	**Saumya Das** **Harvard University** *EVs in cardiometabolic diseases: Peeling the layers in complex phenotypes*

10:50–11:10 AM	**Naveed Akbar** **University of Oxford, UK** *Extracellular vesicle dysfunction in genetic cardiovascular disease*
11:10–11:30 AM	**Raj Kishore** **Temple University** *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 presentation** **Clayton Deighan, VP, Commercial, EXOKĒRYX** *Accelerate your EV Discoveries with Demeter EVPrep*
11:40–12:00 PM	**Lightning Talks Session 1 (from abstract submissions)** **Chris Topper, Clemson University** **Xuehao Zhang, The Ohio State University** **Saravanakumar Murugesan, University of Alabama at Birmingham** **Yuan Li, Columbia University** **Amber Thornton, Virginia Tech** **Frances Laney Raynolds, University of Virginia** **Luke Schroeder, University of Louisville** **Guoyi Jiang, University of Toledo**
12:00–1:30 PM	**Lunch & Poster Session 1 (~50 posters) (sponsored by Lonza, EXOKĒRYX)**
1:30–3:10 PM	**SESSION 3: REGENERATIVE MEDICINE & THERAPEUTIC EVs**
Moderator	**Ananth Kumar Kammala, The University of Texas Medical Branch at Galveston** **Linzhao Cheng, University of Science and Technology of China**
1:30–1:50 PM	**Camila Hochman-Mendez** **Texas Heart Institute** *Beyond systemic delivery: Ex vivo organ platforms for precision EV therapeutics*
1:50–2:10 PM	**Ya-Wen Chen** **Icahn School of Medicine at Mount Sinai** *Unveiling alternate pathways for SARS-CoV-2 infection via extracellular vesicle-mediated transfer of ACE2 and TMPRSS2*
2:10–2:30 PM	**Ying Mei** **Medical University of South Carolina** *Human cardiac organoid-derived extracellular vesicles for heart repair*
2:30–2:50 PM	**Mỹ G. Mahoney** **Thomas Jefferson University** *Targeting IFNγ signaling through EVs in IVIg*
2:50–3:00 PM	**Shuhua Bai, Western New England University** *Bioactive-rich plant-derived nanovesicles for targeted therapy of inflammatory bowel disease*
3:00–3:10 PM	**Michail Spanos, Harvard Medical School** *Circulating cardiomyocyte-derived extracellular vesicles (“cardiovesicles”) capture dynamic myocardial transcriptional responses to ischemic stress during cardiopulmonary bypass*
3:10–3:20 PM	Gold sponsor presentation **George Daaboul, Everest Biolabs** *Elevating EV research through optimized tools and automation*
3:20–3:40 PM	**Coffee break (sponsored by Everest Biolabs)**

3:40–5:00 PM	**SESSION 4: CANCER EVs**
Moderator	**Siyang Zhang, Carnegie Mellon University** **Hua Wang, University of Illinois at Urbana-Champaign**
3:40–4:00 PM	**Alissa Weaver** **Vanderbilt University** *Exosomes in HNSCC metastasis*
4:00–4:20 PM	**Carlos Salomon Gallo** **The University of Queensland** *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** **University of Wisconsin–Madison** *Pyroptotic vesicles as personalized cancer therapeutics*
4:40–5:00 PM	**Valerie LeBleu Kalluri** **The University of Texas MD Anderson Cancer Center** *Clinical update on engineered exosomes for pancreatic cancer and beyond*
5:00–5:10 PM	Gold sponsor presentation **Matthew Ferenczhalmy, Secretech** *Discover hidden biology with single EV proteomics*
5:10–6:00 PM	**Panel discussion with editors from Nature and Cell family journals (Chair: Ke Cheng)**
5:10–5:20 PM	Sheila Chari, Cell Stem Cell
5:20–5:30 PM	Rita Strack & Filipe Almeida, Nature Biomedical Engineering
5:30–5:40 PM	Chiara Pastore, Nature Nanotechnology
5:40–6:00 PM	Discussion (Sheila Chari, Rita Strack, Chiara Pastore, Filipe Almeida, Ke Cheng)
6:00–7:30 PM	**Poster Session 1 (refreshments & drinks) (sponsored by BioNavis)**

SATURDAY, NOVEMBER 14

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	**Philippe Menasché** **University of Paris Descartes** *Cellular secretomes for heart failure: Clinical implementation and challenges*
8:20–8:40 AM	**Joost Sluijter** **UMC Utrecht** *Extracellular vesicle-based cardiac delivery: Engineering EV biogenesis for enhanced therapeutic loading*
8:40–9:00 AM	**Robert Gourdie** **Virginia Tech** *Milk-derived nanovesicles for connexin43-targeted cardioprotection and radioprotection*
9:00–9:50 AM	**KEYNOTE SPEAKER: Michel W.J. Sadelain** **Columbia University** Moderator: Mei He, University of Florida *Novel CAR designs and insights into CAR T cell-mediated toxicities*

9:50–10:00 AM	**Anna Fahlgren, Linköping University** *Mechanical loading intensities regulate the release of pro-metastatic extracellular vesicles in osteosarcoma cells*
10:00–10:10 AM	Gold sponsor presentation **Lucas Saliba, Technical Sales Specialist, EXODUS Bio** *One workflow from early discovery to GMP production: Automated EV isolation by ultrasonic nanofiltration*
10:10–10:30 AM	**Coffee break (sponsored by Secretech)**
10:30–11:30 AM	**SESSION 6: EV BIOGENESIS & MEMBRANE DYNAMICS**
Moderator	**Stephen J. Gould, Johns Hopkins University School of Medicine** **Valerie LeBleu Kalluri, The University of Texas MD Anderson Cancer Center**
10:30–10:50 AM	**Dylan T. Burnette** **Vanderbilt University** *How cell-like can large extracellular vesicles really be?*
10:50–11:10 AM	**Sathish Ramakrishnan** **Yale University** *The fusion code of extracellular vesicles*
11:10–11:30 AM	**Louise Laurent** **University of California, San Diego** *Multi-omic analysis reveals relationships among source cells, extracellular vesicles, and non-vesicular extracellular particles*
11:30–11:40 AM	Shuo Liu, Columbia University *Inhalable bispecific exosomes coordinate Wnt blockade and checkpoint inhibition in resistant metastatic melanoma*
11:40–12:00 PM	**Lightning Talks Session 2 (from abstract submissions)** **Justus C. Ndukaife, Vanderbilt University** **Emma Koory, Vanderbilt University** **Paul A. Spezza, Rice University** **Lee Shaashua Berger, Weill Cornell Medicine** **Miguel Quiraltepulido, The Wistar Institute** **Kimberly Luke, Intuitive Biosciences** **Michelle Pleet, National Institutes of Health** **Akiko Searles, Northern California Institute for Research and Education, Inc.**
12:00–1:30 PM	**Lunch provided & Poster Session 2 (~50 posters) (sponsored by EXODUS Bio, Qiagen)**
1:30–2:50 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** **Beijing Normal University, China** *Purifying, profiling, probing, and programming: Chemical biology investigations of Extracellular Vesicles*
1:50–2:10 PM	**Jennifer Jones** **National Institutes of Health** *EV complexity: From single EV studies to EV subset multiomics*

2:10–2:30 PM	**Hsueh-Chia Chang** **University of Notre Dame** *Nanocarrier diagnostics: A new charge- and size-based detection platform*
2:30–2:50 PM	**Christine Happel** **National Institutes of Health** *Translating extracellular vesicles: From exRNA discovery to next-generation therapeutics*
2:50–3:05 PM	Silver sponsors **Latoya Campbell, Terumo Blood and Cell Technologies** **Krishna Amin, Qiagen** **Rick Huntress, CellBio Scientific**
3:05–3:30 PM	**Coffee break (sponsored by Terumo Blood and Cell Technologies, CellBio Scientific)**
3:30–4:30 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 at Galveston**
3:30–3:50 PM	**Andrew Hill** **Victoria University** *Investigating the role of EVs in neurodegenerative diseases*
3:50–4:10 PM	**Maureen Barr** **Rutgers University** *The fundamental biology of neuronal extracellular vesicles*
4:10–4:30 PM	**Partha Chandra** **Tulane University** *Extracellular vesicles from human and non-human primates suggest a role in sex-specific HIV-associated neuropathogenesis*
4:30–4:40 PM	**Silver sponsors** **Nazar Filinov, Hyperion Analytical** **Akash Bhattacharya, Beckman Coulter Life Sciences**
4:40–5:00 PM	**Awards Announcement (Moderator: Yi Hong, The University of Texas at Arlington)**
5:00–6:00 PM	**AAEV-ISEV Joint Session (Moderator: Raghu Kalluri) (Sponsored by ISEV)**
5:00–5:20 PM	**Raghu Kalluri** **AAEV President** **The University of Texas Medical Branch** *Engineered EVs and exosomes as eye drop-based therapy for wet age-related macular degeneration*
5:20–5:40 PM	**Benedetta Bussolati** **ISEV President** **University of Turin** *From patient tissues to tumoroids and cell lines: comparative surfaceome and functional profiling of extracellular vesicles in colorectal cancer*
5:40–6:00 PM	Panel discussion: Raghu Kalluri, Benedetta Bussolati, Susmita Sahoo, Ke Cheng
6:00–7:30 PM	**Poster Session 2 (refreshments) (sponsored by ISEV)**

SUNDAY, NOVEMBER 15

8:00–9:00 AM	**SESSION 9: ENGINEERING EVs FOR THERAPEUTIC DELIVERY**
Moderator	**Sunila Pradeep, Medical College of Wisconsin** **Yong Tao, Beijing Chaoyang Hospital**
8:00–8:20 AM	**Huiping Liu** **Northwestern University** *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** *Do extracellular vesicles play a role in mRNA vaccines?*
8:40–9:00 AM	**Quan Lu** **Harvard University** *ARMMed for Targeted Intracellular Delivery*
9:00–9:50 AM	**FOUNDER'S AWARD LECTURE: Tony Hu, Tsinghua University** Moderator: Raghu Kalluri *Talk: TBD*
9:50–10:10 AM	**Young Investigator Presentation: Ke Huang, Texas A&M University**
10:10–10:30 AM	**Coffee break (sponsored by Hyperion Analytical, Beckman Coulter Life Sciences)**
10:30–11:30 AM	**SESSION 10: EVs IN IMMUNITY**
Moderator	**Yi-Fen Lee, University of Rochester Medical Center** **Wei Guo, University of Pennsylvania**
10:30–10:50 AM	**Rupangi Vasavada** **City of Hope** *Patient-derived extracellular vesicles trigger beta-cell death and contribute to type 1 diabetes pathogenicity*
10:50–11:10 AM	**Pilar Martin Fernandez** **Spanish National Center for Cardiovascular Research** *Therapeutically targetable T cell-derived EV-miRNA for myocarditis*
11:10–11:30 AM	**Yibin Kang** **Princeton University** *Host metadherin coordinates EV-mediated regulation of hepatic lipid metabolism and CD8+ T cell immunity to promote tumor progression*
11:30–11:40 AM	**Dong-Bing Cheng** **Wuhan University of Technology** *Immune-vesicle-enveloped hypoxia-gated poly-norcantharidin nanograins reprogram glioblastoma immunity*
11:40–12:00 PM	**Young Investigator Presentation, Xiaoping Bao, Purdue University**
12:00–12:20 PM	Poster Awards Announcement
12:20–12:30 PM	**Closing remarks**