

Poster Session Assignments

Presentation Title	Presenting Author	Poster Number	Poster Session
"Neuron-derived plasma extracellular vesicles as biomarkers for Alzheimer's Disease (AD)"	Christina Coughlan	1	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
A high-purity cord blood EV proteomics platform: uncovering maternal obesity-associated neurodevelopmental signatures	Tara Thompson-Felix	2	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
A novel protocol to simultaneously deplete and isolate functional platelet-derived extracellular vesicles from human plasma	Mandy Chan	3	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Abstract Preview: Novel technologies for profiling total and cell type-specific EVs from plasma	Dima Ter-Ovanesyan	4	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Blood-derived extracellular vesicles as a source of cholangiocarcinoma biomarkers in primary sclerosing cholangitis.	Sandra Lund	6	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Characterization of Human Hepatic Extracellular Vesicles (EVs) by Quantitative Targeted Proteomics (QTAP) Using MicroLC-MS/MS	John Fallon	7	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Circulating bacterial extracellular vesicles as biomarkers for cancer detection	Mariano Molina Beitia	8	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Circulating extracellular vesicle microRNAs associated with prostate cancer progression in Puerto Rican men	Jonathan Lopez Carraquillo	9	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Comparison of two different protocols to isolate EVs from canine plasma for the assessment of osteosarcoma biomarkers	Mariana Trigo-Chapou	10	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Detection of extracellular vesicle-bound amyloid- β using digital ELISA as a blood-based biomarker for early alzheimer's disease diagnosis	Ji Yoon Kang	12	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Development of a robust methodology for extracellular vesicle-based biomarker discovery in Eosinophilic Esophagitis	Nicolò Marchi	13	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Development of novel liquid biopsy technology to monitor bladder cancer recurrence using mutant proteins in urinary extracellular vesicles	Kazuma Sugimoto	14	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Diagnostic potential of bacteria-derived RNA sequences in human serum for cancer detection	Juntaro Matsuzaki	15	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Dual-compartment proteomics: joint analysis of patient CSF and CSF-derived extracellular vesicles delivers robust biomarker detection in Alzheimer's disease	Xiaoting Li	16	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Dysregulation of extracellular vesicle concentration, microRNAs, and surface proteins in patients with Niemann-Pick disease type C	Ursula Sandau	17	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Evaluation of extracellular vesicles as non-invasive early predictive markers for severe COVID-19	Paola Martinez Murillo	18	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Exosomal proteome as biomarker for clinical prognosis in patients with glioblastoma	Alisa Petkevich	21	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle and particle surface biomarker colocalization as a platform for early cancer detection	Toumy Guettouche	22	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular Vesicle derived Spliced Leader RNA as a non-invasive biomarker for Visceral Leishmaniasis	Mohanna.s Sajjadi	23	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle RNA signatures as non-invasive source of biomarkers of cardiac hypertrophy	Benyapa Tangruksa	25	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Stabilizing blood-derived extracellular vesicles: Evaluation of Protein Plus BCT for EV and RNA integrity	Eunju Seong	26	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles are biomarkers and effectors of cerebral malaria complications	Irina Matei	27	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles from menstrual blood reveals molecular endotypes of unexplained infertility	Eiva Bernotiene	28	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular Vesicles Subpopulations from Human Skeletal Muscle Carry Distinct Small RNAs	Xin Zhang	29	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Feasibility of Liquid Biopsy in Clinical Pharmacology: The Gap between Detection and Quantification	Marjolein van Borselen	30	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
From plasma to precision: A next-gen bead-based approach for EV biomarker discovery	Hema Saranya Ilamathi	32	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
From vesicles to ventricles: EV-derived DNA methylation biomarkers for early screening of congenital heart disease.	Teena Gamage	33	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Hepatocyte-specific circulating extracellular vesicle proteomics shows distinct MASH disease-specific signatures compared to global EV profiling.	Banishree Saha	34	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Systematic biomarker discovery by integrative deep proteomic profiling of fresh-frozen biopsy specimens and concurrently collected serum extracellular vesicles	Jun Adachi	35	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
"Influence of miRNA structural features on cargo loading and functional delivery in extracellular vesicle-mimicking lipid nanoparticles"	Paulina Skupin-Mrugalska	37	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
African Green Monkeys Respond to Synthetic A β Oligomers with Persistent Alzheimer's-like Activation	Bianca Brown	38	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.

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ATP Synthase in Neuronal Extracellular Vesicles Reflects Changes in the Mitochondria of Parent Neurons	Dimitrios Kapogiannis	40	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Bifidobacterium adolescentis-derived extracellular vesicles as modulators of mucosal immunity in airway allergy	Dominika Kozakiewicz	41	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Biogenesis of sEVs harboring the 20S proteasome beta subunit secreted from Leishmania donovani-infected macrophages is dependent on the ESCRT machinery	Angelina Vann	42	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Breast cancer cell-derived small extracellular vesicles promote extracellular matrix assembly	Diego Torres Martinez	43	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Calcium permeable ion channel TRPV1 selectively regulates extracellular vesicle biogenesis and cargo sorting in cancer cells	Shuying Li	44	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Cancer-Derived Exosomal miR-133a and miR-133b Drive Chemotherapy-Associated Cardiac and Skeletal Muscle Toxicity	Farman Khan	45	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Cd63+ vesicles are critical for the intracellular trafficking of Leishmania donovani-derived molecules in infected cells and the biogenesis of small extracellular vesicles	Javier Rosero	47	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Chemokine and opioid peptide scavenging through constitutive and ligand-induced release of ACKR3-bearing extracellular vesicles	Lucie Rospape	49	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Coordinated Protein and RNA Cargo Sorting into Extracellular Vesicles via Liquid-Liquid Phase Separation	Ying Zhang	50	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Cross-kingdom intraluminal vesicle size analysis reveals an average size of 103 nm and upper limit of 200 nm for exosome biogenesis	Xabier Osteikoetxea	51	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Defining differences in size, surface markers, and zeta potential between matrix-bound nanovesicles and conditioned culture medium-derived extracellular vesicles isolated from human bone marrow mesenchymal stem cells	Renata Dos Reis Marques	52	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Eicosanoids and their biosynthetic enzymes in extracellular vesicles released from activated macrophages	Takahiro Shibata	54	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Engineered Bacterial Extracellular Vesicles Modulate Immune Responses Against Melanoma by Promoting Dendritic Cell Maturation and Tumor Cell Apoptosis	Yudi Wang	55	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Engineered mesenchymal stromal cells-derived extracellular vesicles enhance hair regeneration through Wnt/ β -Catenin activation	yuanyuan Liu	56	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Examining the effect of EVs derived from a micafungin-adapted Candida parapsilosis strain on the micafungin-sensitive parental strain	Zóra Szilovics	57	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Expanding and validating a protein marker toolbox for the characterization of Escherichia coli-derived bacterial extracellular vesicles	Niké Guilbert	58	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular DNA landscape of extracellular particles in colorectal cancer	Qin Zhang	59	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle proteomics unmask fundamental metabolic distinctions between quiescent hematopoietic stem cells and their proliferative progenitor populations	FEDERICA ZANOTTI	60	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Lipidomic Analysis and Functional Characterization of Bacterial Extracellular Vesicles Derived from Edwardsiella piscicida	CHAMILANI NIKAPITIYA	61	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles from antifungal drug-adapted Candida strains modulate the adhesion abilities of drug-sensitive parental strains	Éva Veres	62	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles isolated from frozen whole blood show biomarker potential in small intestine neuroendocrine neoplasms	Anna Fahlgren	63	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles released from Nef-expressing microglia exhibit a pro-inflammatory cargo and senescence-associated effects	Samuel Žvanut	64	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Investigating the Role of Endothelial-Derived Extracellular Vesicles in Acute Lung Injury	Ruben Colunga Biancatelli	66	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
"Selective sorting of tumor-suppressive and oncogenic miRNAs into extracellular vesicles: implications for cancer progression"	Samira Piltan	67	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
A 6-week daily consumption of orange juice or its main polyphenol modulate postprandial circulating extracellular vesicles in centrally overweight adults	Clément Besqueut-Rougerie	68	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
A single bout of aerobic exercise increases insulin signaling proteins in neuronal derived extracellular vesicles isolated from plasma	Maja Mustapic	69	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Acute mental stress shapes circulating extracellular vesicle profiles: insights from bungee jumping and cortisol modulation models	Judith Eberz	70	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Alterations of Cerebral Extracellular Vesicle MicroRNA Profiling Potentially Disrupts Brain Homeostasis Following Myocardial Infarction	Changhai Tian	71	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Analysis of biomolecular corona in different biofluid derived-EVs at single EV level	Cristina Grange	72	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Annexin A2, Exosomes and Phosphorylation: Implications for Triple-Negative Breast Cancer	Jamboor Vishwanatha	73	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Annexin A6-enrichment in extracellular vesicles drives their uptake in triple-negative breast cancer	Alayjha Edwards	74	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.

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ApoE4 drives cardiometabolic disease by rewiring immunometabolism via macrophage-derived extracellular vesicles	Akiko Searles	75	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Arbitrarily unique proteins in bronchoalveolar lavage fluid extracellular vesicles reveal ribosomal and RNA-binding protein enrichment in chronic obstructive pulmonary disease	Brian Andrew Amoah-Danful	76	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Biological significance of small extracellular vesicle remodeling in Huntington's disease	Natayme Rocha Tartaglia	77	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Brain-derived extracellular vesicles reveal hypoxia and stress proteomic signatures in the mouse model of necrotizing enterocolitis	Miguel Garcia	78	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Cation carriers eliminate CD20-positive extracellular vesicles via actin remodeling to potentiate anti-CD20 immunotherapy	Julia Slomczewska	79	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
CD9+ extracellular vesicles instigate generation of myeloid-derived suppressor cells to promote pancreas cancer recalcitrance to immunotherapy	Kathleen McAndrews	80	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Characterization of extracellular vesicle cargoes of Culex tarsalis cells infected with West Nile virus	Xiufeng Zhang	81	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Characterizing first-trimester plasma-derived EVs from Black women as a potential signal of placental dysfunction	Kobe Abney	82	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Characterizing the distinct molecular profiles of HIV-associated EVs across cell types	Irene Castrosin Omeñaca	83	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Chronic sensing of vaginal commensal bacteria-derived extracellular vesicle-RNAs initiates malignant progression of fallopian tube epithelium in ovarian carcinoma	Akira Yokoi	84	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Circulating extracellular vesicles as putative mediators of exercise effects in the elderly	Nikoleta Alchus Laiferová	85	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Circulating Extracellular Vesicles from Patients with Primary Aldosteronism Increase Cell Stress-Related Proteins and Promote Endothelial Dysfunction	Alejandra Tapia-Castillo	86	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Comparative Molecular Dynamics Analysis of Phosphatidylserine-ADAM17 Interactions in Head and Neck Squamous Cell Carcinoma and Normal sEV Membranes	Alicja Glusko	87	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Connexin 43-targeting peptides preserve cartilage matrix and alter senescence-related extracellular vesicle profiles in human joint tissue explants	Jolita Pachaleva	88	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Contribution of tumor-derived extracellular vesicles (TEV) in the establishment of the premetastatic niche (PMN): Lessons learned from past experimentation and future directions	Yves DeClerck	89	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Development of a murine model to study EVs in breast cancer therapy resistance	Josefine Bech Jensen	90	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Dietary fat quality programs postprandial extracellular vesicle cargo and endothelial transcriptomic regulation	Elvira Marquez Paradas	91	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Effect of plasma storage on the stability of microRNAs carried by extracellular vesicles in thalassemia	Pornthip Chaichompoo	92	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Effect of small extracellular vesicles from 5-FU-treated human gastric cancer cells on cancer stem cell-like properties	Etsuro Ito	93	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Endogenously released tumor-derived extracellular vesicles (TEVs) captured by endothelial cells and resident macrophages drive inflammation through inflammasome activation in the pre-metastatic niche (PMN)	Laurence Blavier	94	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Investigating how epithelial-to-mesenchymal transition drives lipid remodeling in extracellular vesicles from triple-negative breast cancer and non-tumorigenic breast epithelium	Oliwia Majchrzak	95	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
EVs from facioscapulohumeral muscular dystrophy fibro-adipogenic progenitors as modulators of myoblast commitment	Diego Sibilia	96	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular Vesicle (EV) Cargo as a novel modulator of Insulin-Induced Vascular Signalling and Function	Surjya Dash	97	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle crosstalk between polarized macrophages and glioblastoma stem cells	Léa Decoux	98	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle-mediated disruption and functional reprogramming of brain endothelium during multiple sclerosis progression	Yang Mao-Draayer	99	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle-mediated modulation of the sperm proteome associated with capacitation in sheep	Clara Vidal-Garcia	100	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles as carrier of viral proteins and neurotoxic factors in the brain during HSV-1 infection	Anna Teresa Palamara	101	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles carrying surface-anchored adiponectin prevent obesity-related metabolic complications by enhancing insulin sensitivity	Soazig Le Lay	102	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles containing tau and mitochondrial cargo drives microglia inflammatory activation contributing to P2X purinoreceptor 7-dependent neurodegeneration in tauopathy	Victor Bodart-Santos	103	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular Vesicles from NEPC-derived Cancer-Associated Fibroblasts Induce Neuroendocrine Differentiation in Prostate Cancer Cells	Cong Hu	104	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles from therapy-exposed cells reprogram the prostate cancer microenvironment through enhanced proinflammatory signaling	YOUHAO CHEN	105	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.

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Proteomic profiling reveals a senescence-associated extracellular vesicle cargo in aging endothelium	Francoise Dignat-George	106	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles reveal lung mechanotransduction signaling via 3D scaffolds in simulated microgravity	Brian Molina Diaz	107	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles-derived microRNA expression profiles in obese asthma phenotype in children.	Aleksandra Szczepankiewicz	108	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Fibroblast-derived extracellular vesicles impair neutrophil extracellular trap formation under inflammatory conditions	Cydney Pitre	109	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Functional dissection of extracellular vesicle- and soluble factor-mediated responses to the airway epithelial secretome: an air-liquid interface platform for inhalation toxicology	Gustavo Elizondo	110	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
HDAC inhibition reprograms stromal vesicles to restore dystrophic muscle stem cell polarity via Integrin β 1	Valentina Saccone	111	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Human milk-derived extracellular vesicles may mitigate metabolic dysfunction-associated steatotic liver disease in neonates, an in vivo perspective	Sanoji Wijenayake	113	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Human tears contain extracellular vesicles that may serve as prognostic indicators for disease severity in Meibomian Gland Dysfunction	Belinda Hernandez	114	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Impact of sonoporation on membrane trafficking and extracellular vesicle release in cancer cells	Loredana Leggio	115	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Impaired Mitochondria-derived Microvesicle Transfer from Schwann Cells Drives Axonal Dysfunction in Diabetic Neuropathy	Xianshuang Liu	116	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Infection-induced extracellular vesicles regulate neurotransmission	Glenn McConkey	117	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Influence of consistent exercise, fluid intake, and biological sex on urinary extracellular vesicle (uEV) excretion	Frances Reynolds	118	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Inhibiting cellular CAIX reduces extracellular vesicles release and their stimulation of breast tumour growth in vivo	Lorraine O'Driscoll	119	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Intranasal immunization of small extracellular vesicles from Salmonella-infected macrophages induces inflammatory type 2 conventional dendritic cells to mediate protection against Salmonella	Samantha Enslow	120	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Investigating APC-driven remodeling of the secretome and extracellular vesicle cargo in colorectal cancer	Nadine Winkler	121	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Human TIMP1-engineered yeast extracellular vesicles for inhibition of collagen degradation in photoaged skin	Gabriela Morales Florez	122	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Identification of critical process parameters for scalable manufacturing of therapeutic extracellular vesicles using quality by design (QbD) approach	Berglind Benediktsdóttir	123	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Innovative MESF Standards for Accurate Quantification of Biological Nanoparticles in Flow Cytometry	Boi Hoa San	124	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Isolation and stability assessment of plant-derived vesicles from apple and yellow kiwifruit	Marta Degasperri	125	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Keeping It Cool Generating Homogeneous Red Blood Cell-Derived Extracellular Vesicles Directly from the Fridge	Annalisa Radeghieri	126	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Label-Free Characterization of Urine Derived Extracellular Vesicles using A-TEEM Fluorescence Spectroscopy and Multispectral NTA	Julie Chen	127	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Label-Free Comprehensive Optical Characterization of Single Extracellular Vesicles in Solution	Justus Ndukaife	128	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Label-free MRI detection of metabolic glycoengineered extracellular vesicles	Safiya Aafreen	129	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Large-scale, high-yield, extracellular vesicle purification from human plasma	Saba Zanganeh	130	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Lens culinaris lectin selectively enriches rat proximal tubule-derived extracellular vesicles	Haruka Sei	131	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Magnetically labeled extracellular vesicles for theranostic regenerative therapy	Wenshen Wang	133	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Mapping of extracellular RNA from human biofluids reveals >17 million genomic loci covering >18% of the human genome that express extracellular RNA	Sreyya Darsshini Sudharsan Raamasamy	134	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Membrane Proteomics Identifies Distinguishing Transmembrane Features of Large versus Small Extracellular Vesicles	Cassandra Clift	135	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Multiphysics simulation-guided optimization of surface acoustic waves microfluidic geometries for extracellular vesicles isolation	Jocelyn Kenley	136	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Nano-flow cytometry of single extracellular vesicles reveals subpopulation differences across cell types and pharmacological perturbations	Nathalie NEVO	138	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Nanoparticle classification via machine learning with integrated Brownian motion trajectory and scattered-light features	Takanori ICHIKI	139	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.

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Nanoparticle-based cellular transfection for precision extracellular vesicle cargo loading and therapeutic delivery	Nina Erwin	140	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Nanoscale Particle Detection with CytoFLEX mosaic Spectral Detection Module: Evaluation Using nanoViS Standards, GFP Virus, and Fluorescent Exosome Standards	Anisha Jose	141	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Nanosopic Characterization of Small Extracellular Vesicles Isolated from Acute Myeloid Leukemia using High-Speed Atomic Force Microscopy	Kee Siang Lim	142	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Novel Therapeutic Vehicle for Lung Disorders using Mycoplasma-Derived Vesicles: Proof of concept	Elisabet Frutos Grilo	143	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
A comparative analysis of miRNA profiles in extracellular vesicles derived from induced pluripotent stem cells and mesenchymal stromal cells	Hala Saneh	145	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Orthogonal Quantification of CD73 Content and Function Across a Scalable MSC-EV Manufacturing Process	Stephen Lenzini	146	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Osteomimicry-induced biomechanical remodeling of breast cancer cells and their extracellular vesicles	Giada Corti	147	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Differential diffusion of large and small EVs introduces bias towards small EVs in surface binding assays	Kelliane Béland	149	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Production of cardioprotective extracellular vesicles via dynamic culture of mesenchymal stem cells	Manuel Perez Nevarez	150	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Profiling of glioblastoma extracellular vesicles derived from glioblastoma stem cells using orthogonal field-flow fractionation methods	Damien Ott De Nussac	151	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Proteins and RNA Correlation Analyses of Extracellular Vesicles and Donor Cells Across Six Model Tissues	Cristina Zivko	152	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Rapid marker-agnostic isolation of extracellular vesicle using chiral hedgehog microparticles	E Sumeyra Turali Emre	154	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
A GMP-Compatible Reagent Enables Ten-Fold Improvement in MSC-EV Recovery During Scalable Downstream Processing	Ramon Castellanos-Sánchez	155	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Reprogrammed human glioblastoma cells as an in vitro model to study neuron-derived extracellular vesicles in neurodegenerative disease	Meghan Quinn	156	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Retraction contagion in extracellular vesicle research: propagation pathways and systemic impact on evidence integrity	Hankun Su	157	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Scalable production of placental extracellular vesicles using 3D culture systems	Aarti Patel	159	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Scaling the Harnessing of Extracellular Vesicles from Flasks to Cell Manufacturing-Relevant Bioreactors	Valeria De la rosa-Villarreal	160	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Selective Isolation and Characterization of Adipocyte-Derived Exosomes from Plasma	Kunheng Cai	161	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Short-term effect of protein-free culture and infusion solutions on the production of extracellular vesicles by human mesenchymal stem cells	Yuliia Khmelnytska	163	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Single-EV MagaDecoder for Extracellular Vesicles Enrichment and Multidimensional Biomarkers Digital Decoding by Droplet Microfluidics enabling Gastric Cancer diagnosis and monitoring	Huixian Lin	164	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Staining and Characterizing Extracellular Vesicles from Platelet-Poor Plasma Using the CytoFLEX nano Flow Cytometer	Milan Popovic	165	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
State-of-the-art spongy monolith technologies for high-efficiency isolation and subpopulation analysis of EVs	Sayaka Konishi-Yamada	166	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Streamlined separation and enrichment of extracellular vesicles into defined nanoscale fractions for multi-omic profiling in prostate cancer models	Prima Dewi Sinawang	167	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Structural comparison of biofluid derived EVs through TEM analysis	Jenna Miller	168	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Superimposing optical and non-optical microscopy of single extracellular particles through micropattern alignment	Xilal Rima	169	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Superiority of total RNAseq profiling for transcriptomic analysis of urine-derived tumor extracellular vesicles	Ishwor Thapa	170	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Evaluation of VesiculaB Vesi-Ref CD63- mNeonGreen (mNG) Extracellular Vesicles (EV) reference standard on the CytoFLEX nano Flow Cytometer	Rita Bowers	171	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Systematic evaluation of bacterial growth parameters influencing production and cellular internalization of outer membrane vesicles derived from Escherichia coli	Angela Pannier	172	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Systematic evaluation of detergent lysis controls for extracellular vesicle detection in plasma	Joyce Rops	173	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Viscoelastic Hyaluronic Acid Hydrogels Loaded with Human Spinal Cord Organoid Derived Extracellular Vesicles Regulate Tissue Patterning under Controlled Release	Changchun Zeng	175	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Whole blood extracellular vesicle detection enables longitudinal and point-of-care analysis	Juan Hinestrosa	176	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.

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Human placenta-derived extracellular vesicles induce neural rejuvenation by suppressing TLR4-driven inflammaging and reinstating a partial OSKM transcriptional state	Jisook Moon	177	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Human serum-derived extracellular vesicles accelerate corneal epithelial wound healing in vitro	Keya Jafari	178	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
IL-1Ra mRNA-Loaded Umbilical Cord Mesenchymal Stem Cell-Derived Exosomes Modulate Inflammation and Enhance Diabetic Wound Healing	guifang Zhao	179	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Immortalization preserves the characteristics of mesenchymal stem cells and facilitates the large-scale production of IL10-enriched exosomes for osteoarthritis therapy.	Weiming Lai	180	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Immunization with sEVs leads to production of Salmonella antigen-specific circulating memory CD4 T cells	Saloni Bhimani	181	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Impact of co-administration of mesenchymal stromal cells and their exosomes on disability in lumbar and thoracic degenerative disc disease	Hector Ortega-Arellano	182	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Indocyanine green aggregation-induced hypotonic stress to remodel aloe exosome-like vesicles for enhanced tumor penetration and phototherapy	Mingzhu Chen	183	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Integrative Omics Reveals Distinct Cargo Profiles in Corneal vs. Bone Marrow MSC-EVs: Implications for Corneal Nerve Regeneration	Elmira Jalilian	184	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Intelligent milk-derived nanovesicles overcoming intestinal and hepatic barriers for oral insulin delivery	Junge Chen	185	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Interchangeable antibody display on bioengineered extracellular vesicles enables selective targeting of breast cancer cells	Lovisa Blix	186	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Intranasal administration of neural stem cell-derived extracellular vesicles attenuates cognitive decline and neuroinflammation in a mouse model of Alzheimer's disease via epigenetic regulation of amyloid- β metabolism	Claudio Grassi	187	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Intranasal delivery of MSC-EVs: validating brain targeting via nanoporation and therapeutic efficacy in Alzheimer's disease	Hsin Tung Chen	188	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Intranasal delivery of VEGF-C-loaded small extracellular vesicles for cerebral ischemia therapy	Qing-Ling Fu	189	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Lactococcus lactis-derived extracellular vesicles improve metabolic dysfunction in type 2 diabetes	Minghui Wen	191	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
miRNA profiling and genotoxicity screening of extracellular vesicles derived from human infrapatellar fat pad mesenchymal stem/stromal cells	Dimitrios Kouroupis	193	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Multiplexed tracking of the biodistribution of EV subtypes in mice using RNA barcoding	Tom Driedonks	195	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Poly(styrenesulfonate)-modified Momordica charantia-derived nanovesicles as a targeted drug delivery system for metastatic breast cancer therapy	Guoqiang Qiu	198	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Preventing radiotherapy-induced osteoradionecrosis using extracellular vesicles from bone marrow mesenchymal stromal cells	Marie-Eugénie De Meester	199	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Effectiveness of a bioengineered stent for targeted and localized delivery of therapeutic extracellular vesicles to the biliary tract	Dylan Zinn	200	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Pueraria Flos-derived Extracellular Vesicle-like Particles Alleviate Acute Alcohol-induced Liver Injury by Inhibiting MAPK/NF- κ B Activation In Vitro and In Vivo	Kewei Zhao	201	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Quantitative Analysis of GJA1-20k Loading into Small Extracellular Vesicles for Mitochondrial Stress Modulation	Mikhail Skliar	202	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Regenerative potential of neurally primed extracellular vesicles from mesenchymal stem cells for multiple sclerosis	Casper Sandvik	203	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Engineered extracellular vesicles for delivery of therapeutic small RNA	Omnia Elsharkasy	204	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Scalable iPSC-derived mesenchymal stromal cell extracellular vesicles (iMSC-EVs) show defined biodistribution, in vivo safety, and anti-inflammatory molecular signatures	Devashree Vakil	207	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Second-generation antibody-displaying EVs integrate modular targeting, intrinsic cytotoxicity, and drug delivery for translational cancer therapy	Oscar Wiklander	208	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Secretome-based therapy from preeducated mesenchymal cells shows similar therapeutic potential to the use of whole cells	Aleksandra Roszko	209	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Size exclusion chromatography highlights byproducts and artefacts of production and manufacturing of EV- based products.	Esperanza González	210	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Standardized production and administration of intracranial Escherichia coli Nissle bEVs for safe reprogramming of the brain tumor microenvironment	Dionysios Watson	211	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Targeting and enhanced delivery of bio-mimetic liposome-loaded doxorubicin towards TNBC cells by hybridizing with bacterial EVs	Zahrasadat Mehrabi	214	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
The small RNA drug, TY1, exerts cardioprotection through reprogramming macrophage EVs	Hiroaki Komuro	215	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Therapeutic Potential of IFN- γ -Preconditioned hASC-derived Extracellular Vesicles in Osteoarthritis	TARO AKIMORI	216	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.

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Translational Evaluation of Centella asiatica–Preconditioned MSC Secretome in In Vitro and Non-Human Primate Models of Ischemic Stroke	Angliana Chow	220	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Ultra-high-field magnetic resonance imaging reveals sex-specific recovery from ischemic stroke after single-dose three-dimensional human stem-cell–derived extracellular vesicle treatment	Yan Li	221	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Umbilical Cord Mesenchymal Stem Cell-derived Secretome Therapy in Treating Chronic Plantar Ulcers in Leprosy: A Case Report	Cynthia Retna Sartika	222	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Utilizing Plant-Derived Extracellular Vesicles for Drug Delivery & Therapeutic Development	Mei He	223	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
Versatility of small extracellular vesicles (sEVs) for cancer therapy	Dongin (Donoven) Kim	224	Poster Session 1 April 23, 2026, 4:30 - 6:00 p.m.
HPV-16, extracellular vesicles and prostate cancer progression: linking viral infection with the tumor microenvironment	Edith Maritza Ramirez Ramos	250	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Identification and Functional Characterization of COG3 as an Extracellular Vesicle Biomarker Driving Colorectal Cancer Progression through mTOR Signaling	Yuanyuan Wu	252	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Integrated multi-omics workflow for transcriptional and proteomics biomarker discovery from extracellular vesicles	Michael Pfaffl	254	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Integrating EV RNA and Cell-Free DNA for Enhanced Cancer Biomarkers Detection	Vinh Lam	255	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Investigating the impact of n-3 PUFA combined with vitamin A supplementation on cognition and plasma EV signature in aged individuals	jean christophe delpech	256	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Lipidomic characterization of extracellular vesicles in plasma from individuals with obesity and metabolic dysfunction-associated steatotic liver disease	Malwina Ulanowska	257	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Liver-derived extracellular vesicle proteomics reveals metabolic associations and candidate biomarkers for MASLD	Javier Donoso-Quezada	258	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Mapping m6A landscape using molecular beacons and m6A binding peptides	Vanessa Fernandes de Abreu Costa	259	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Mitochondrial protein signatures of tumor-derived extracellular vesicles reveal potential biomarkers for ovarian cancer	Rossella Crescitelli	260	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
EV-derived protein signatures in fetal plasma are markers of hypoxia-ischemia mediated preterm brain injury.	Teena Gamage	262	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Plasma-derived extracellular vesicles in the muscle-brain axis: multi-omics for biomarker discovery in neurodegenerative diseases (the M-Brain project)	Marco Falcone	263	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Plasma-to-Tissue sEVs Multi-Omics Reveals Cancer-Associated Fibroblast Signatures for Early Detection	ABHAY MISHRA	264	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Profiling EV-Associated Metabolites and Surface Markers for Preventative Breast Cancer Diagnostics	Elsa Kratz	265	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Proteomic profiling of stool-derived extracellular vesicles identifies candidate biomarkers for early colorectal cancer detection	Margalida Mascaro-Vlch	266	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Rapid enrichment of plasma extracellular vesicles with high recovery and reduced soluble protein carryover by polyanion-divalent cation precipitation	Junya Michibata	267	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Sedimentation velocity analytical ultracentrifugation evaluation of cellular EV subpopulations isolated using rate zonal density gradient ultracentrifugation and characterized on the CytoFLEX nano flow cytometer	Rita Bowers	268	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Sensitive detection of EGFRvIII in circulating EVs from glioblastoma using surface plasmon resonance technology	Amy Gateau	269	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Servier's Extracellular Vesicles Liquid Biopsy Platform To Advance Neurology Disease Research	Nell Hirt	270	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Single extracellular vesicle analysis from a longitudinal cohort of obese individuals with chronic kidney disease	Nicole Noren Hooten	271	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Single-particle analysis of DNA heterogeneity in extracellular vesicles from diverse biological sources	Batuhan Bozkurt	272	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Specific Labeling of Outer Membrane Vesicles with Antibiotic-Conjugated Probe Reveals Early Bacterial Infections in Blood	Qianbei Li	273	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Studying neuroinflammation in veterans with Gulf War Illness by analyzing microglia-derived extracellular vesicles found in blood	Leelavathi Madhu	275	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Surface glycan signatures on EVs reveal cell-type and cancer-specific patterns	Mariana Castañeda Mesa	276	Poster Session
Synovial fluid extracellular vesicle miRNA profiling in knee osteoarthritis	Dimitrios Kouroupis	277	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
High-Throughput analysis of the content and properties of nano-sized bioparticles with single-particle profiler	Taras Sych	278	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.

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Systematic evaluation of standard and multi-mode chromatography for the isolation of high-purity extracellular vesicles from human plasma	Lifang Yang	279	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
The dilution paradox affects results from extracellular vesicle biomarker studies	Joyce Rops	280	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Urinary extracellular vesicle protein profiling enables non-invasive detection and phenotypic stratification of kidney allograft injury	Maja Vodusek	282	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Urinary Extracellular Vesicle Proteomics Reveals Early Molecular Signatures of Pediatric Prehypertension	Alejandra Tapia-Castillo	283	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Validation of PSMA7 as extracellular vesicle cargo and potential prognostic biomarker in osteosarcoma cell lines	Emma Churchman	284	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
High-throughput screening of natural compounds affecting extracellular vesicle biogenesis, trafficking and uptake	Stefano Vecchione	285	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Hyaluronan-coated extracellular vesicles from melanoma and breast cancer cells promote a mixed M1/M2 phenotype on macrophages	Kaisa Mäki-Mantila	286	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Hypoxia modulates the endolysosomal system promoting the release of pro-angiogenic small extracellular vesicles in A549 cells	Belén Gaete-Ramírez	287	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Interplay Between Recycling Machinery and Growth Factor Signaling Shapes Extracellular Vesicle Release in Tumor Cells	Dorival Rodrigues-Junior	290	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Iron limitation reshapes extracellular vesicle production and virulence in Renibacterium salmoninarum	Macarena Echeverría	291	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Isolation method is a major determinant of plasma and serum extracellular vesicle proteomes	Kaiping Burrows	292	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Klebsiella pneumoniae outer membrane vesicles promote atherosclerosis by delivering 1,2-Dilinoleoylphosphatidylcholine (DLPC) to induce ferroptosis via the JUN/p-JUN-GPX4 axis	Wang Yubing	293	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles as mediators of metabolic and cytoadhesive changes in BeWo cells during Plasmodium infection	Cora Alvarez	294	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Multiple lipid scramblases regulate the quantity of extracellular vesicle release from the plasma membrane of C. elegans embryos	Ann Wehman	295	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Naked Extracellular RNAs are Internalized by Endocytosis and Released Back into the Extracellular Space in Migrasome-like Extracellular Vesicles	Marco Li Calzi	296	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Neuroblastoma-derived extracellular vesicles disrupt the integrity of CNS barriers via tight junction modulation	Tomer Cooks	297	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Palmitic acid impact the sEV biogenesis in A2780cis ovarian cancer cells through ERK- and SRC-dependent manner	Pascuala Valdivia-González	298	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Palmitic acid induces the production of small extracellular vesicles enriched for RNA and RNA-binding proteins	Lizandra Jimenez	299	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Paracrine adhesion signaling facilitates the uptake of small extracellular vesicles by recipient cells through galectin-3-dependent clathrin-independent endocytosis	Koichiro Hiroswa	300	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Pathogenic bacteria membrane vesicle sRNA hijacks a SEPTIN4/Caspase-3 mitochondrial axis to trigger host alveolar epithelial cell apoptosis	TIANYUAN JIA	301	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Quantitative immunomodulatory activities of eimeria faliciformis extracellular vesicles	joshua Olajide	302	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Quantitative proteomics reveals distinct functional landscapes of small and large extracellular vesicles from human umbilical cord MSCs	Bianlei Yang	303	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Reprogramming of human macrophages by Escherichia Coli Nissle 1917 bacterial EVs is distinct from other bacterial components	Justin Ruiz	305	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Repurposing of recycling pathways for exosome biogenesis during defective endosome-lysosomal fusion	Ganesh Shelke	306	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
RNA-seq Analysis Reveals the Immunomodulatory Effects of Plasma-Derived Exosomes from Streptococcus parauberis-Challenged Olive Flounder (Paralichthys olivaceus)	CHAMILANI NIKAPITIYA	307	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Salmonella effector SopB harnesses ubiquitination for selective trafficking into macrophage-derived small extracellular vesicles following infection	Samantha Enslow	308	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Salmonella Typhimurium effector SseL impacts sEV biogenesis and results in proteome changes following sEV treatment of naïve macrophages	Alex Schultz	309	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Small RNAs in bacterial extracellular vesicles involved in the pathogenesis of endometriosis	Ayako Muraoka	310	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Study on the characterization and host cell interaction efficacy of bacterial extracellular vesicle from Lactobacillus species	Deepalakshmi Govindarajan	311	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Supramolecular histone H2A.J and CD9 interaction in AoSMC-derived sEV as a new regulatory axis for osteocytogenesis	Matheus Santos	312	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
TGFβ1-induced apoptotic extracellular vesicles induce mesenchymal-like phenotype in NMuMG cells	Daxime Génier	313	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.

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EV-mediated nerve growth factor signaling in the corneal epithelium	Levi Kanu	315	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
"Mechanistic insights into extracellular vesicle interactions with the blood-brain barrier in Alzheimer's disease (AD)"	Christina Coughlan	316	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Investigating the role of extracellular matrix-derived extracellular vesicles in promoting a cancerous phenotype in mesenchymal stem cells	Catherine Zhu	317	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Investigation of cellular senescence-induced cardiac microvascular endothelial cell-derived extracellular vesicles in atrial fibrillation development	Tomoko Kikawa	318	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Keratinocyte-derived extracellular vesicles exhibit size-dependent mitochondrial cargo	Finn Brigger	319	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Klebsiella pneumoniae extracellular vesicles suppress osteoclast function via inhibiting MITF/RANK axis, linking gut microbes to metabolic bone disease	Hitoshi Tsugawa	320	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Klebsiella pneumoniae-derived extracellular vesicles disable inflammatory responses of macrophages by repressing arginine metabolism and TLR4-IFN signaling simultaneously	Touya Toyomoto	321	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Lipidomic profiling of temporal cortex and derived extracellular vesicles in Alzheimer's disease patients	PATRICIA HERNÁNDEZ LÓPEZ	322	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Loss of HD-PTP promotes extracellular vesicle-mediated immune suppression in triple-negative breast cancer	Chenxu Guo	323	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Mechanisms of extracellular vesicle-associated mitochondrial DNA release during diabetic stress	Agafe Bless Reyes	325	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Metabolic differences in EVs from plasma and lipoaspirates of lipedema patients compared with healthy controls	Katharina Morawitz	327	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
miR-92a carried by extracellular vesicles mediates VCAM-1 and ICAM-1 expression in thalassemia	Rattanaporn Praneetponkang	328	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Modeling Breast Cancer Extracellular Vesicle-Mediated Degradation of the Lymphatic Glycocalyx using a 3D Organ-on-Chip Platform	Justin Lau	329	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Modulating effects of exercise on microRNAs in muscle cells-derived extracellular vesicles of patients with Parkinson's disease	Barbara Ukropcova	330	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Nasal-Derived Staphylococcus aureus Extracellular Vesicles Drive Mucin Upregulation and Goblet Cell Hyperplasia in Upper Airway Epithelium	BHUVANESH KUMAR RAJU	331	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Neutral sphingomyelinase 2 and extracellular vesicles in doxorubicin-induced cardiotoxicity	Folnetti Alvarez	332	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Novel evidence implicating extracellular vesicles in Oropouche neuropathogenesis	Ashmitha Suresh Kumar	333	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Nutrient-driven EV reprogramming as a determinant of NSCLC brain metastasis	Nathan Dubois	334	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Omics-based characterization of extracellular vesicles released by kidney cells in uremic conditions	Jéssica Verônica da Silva	335	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Oral Pathobiont Extracellular Vesicles Reprogram Macrophages and Impair Wound Healing	Prashant Kumar	336	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Parallel Proteomic Characterization of Human iPSC-Derived Brain Organoids and Extracellular Vesicles Reveals Early Alzheimer's Disease Biomarkers and Molecular Signatures of Differential Drug Response	Vasiliki Machairaki	337	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Periodontitis-Derived Extracellular Vesicles drive systemic inflammation and metabolic dysfunction in Type 2 Diabetes	Maria Luisa Mizgier	338	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Phenotyping of circulating extracellular vesicles from melanoma patients in response to immune checkpoint blockade	Luciana Andrade	339	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Physiological vs. Traditional EV Administration: Improved Distribution and Reduced Toxicity with Slow-Release Pumps	Ishai Luz	340	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
PIKfyve inhibition alters tear extracellular vesicle profile in a murine model of Sjögren's Disease	Cindy Toscano	341	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Plasma-derived extracellular vesicles from diabetic patients as mediators of endothelial dysfunction: insights into vesicle cargo and angiogenic responses	Maria Eduarda dos Santos Pires	342	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Postprandial modulation of the surface profile and cellular origin of circulating extracellular vesicles by dietary fatty acid composition: A randomized crossover study in healthy adults	Sergio Montserrat-de la Paz	344	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Profiling the impact of osteomimetic breast cancer extracellular vesicles on osteoblast function	Giada Corti	345	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles produced by human β -cells exposed to T1D related inflammatory stress cytokines communicate impaired immunometabolic signaling to macrophages and CD4+ T lymphocytes	Akiko Searles	346	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Remodeling of EV-RNA cargo across distinct radiological-defined muscle states using facioscapulohumeral muscular dystrophy as a human disease model	Elvira Ragozzino	347	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Respiratory small extracellular vesicles enhance RSV infection in CX3CR1-positive respiratory epithelia	Eva Brunon	348	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.

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Revealing the Molecular Duality of Resistance: Chromosomal and Vesicular (EVs) Pathways in Acinetobacter Baumannii	Nader Kameli	349	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Rheopheresis increases thrombolytic potential through the generation of fibrinolytic neutrophil-derived extracellular vesicles.	Francoise Dignat-George	350	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Role of microglia-derived extracellular vesicles in early life stress	charlotte madore	352	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Skeletal muscle extracellular vesicle transcriptomics reveals age-dependent stress signatures in spaceflight and simulated microgravity	Samantha Ali	353	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Small and large extracellular vesicles in circulation of diffuse large B-cell lymphoma patients originate from different cell types of the tumor microenvironment	Filippo Maltoni	354	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Small extracellular vesicles from ZIKV-infected monocytes promote vascular endothelial infection and barrier dysfunction	Pedro Pablo Martínez-Rojas	355	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Study of extracellular vesicle in three-dimensional hepatic models of MASLD	Silvia López-Sarrió	356	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Surface secrets: uncovering immune extracellular vesicles markers in ME/CFS before and after exercise	Ludovic Giloteaux	357	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
The effect of extracellular vesicles shedding from Trypanosoma cruzi on the regulation of primary monocytes and their effect on the differentiation of M1/M2 macrophages.	Ana Claudia Torrecilhas	359	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
The effects of acute exercise on skeletal muscle-derived extracellular vesicle abundance and proteomic composition	Jeremy Boulestreau	360	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
The neonatal Fc receptor is expressed in extracellular vesicles from perfusion fluid samples of kidney graft	Pierre Boulard	361	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
The role of extracellular vesicles released during Plasmodium vivax infections in modulating the immune system	Beatriz Rodrigues	362	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Trafficking of extracellular vesicles in neural progenitor cells during human brain development	Elisa Frenna	363	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Tumor extracellular vesicles educate distant organs to promote metastasis and can be functionally mimicked by proteome-decorated liposomes	Yousra Benslimane	364	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Tumor-derived Wnt7a extracellular vesicles drive stromal reprogramming via JUN suppression	Uxia Gurriaran	365	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Unbiased, discovery-based proteomics reveal astrocyte-enriched extracellular vesicle immune-mediated proteins in opioid use disorder	Leandra Figueroa-Hall	366	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Unveiling the Emerging Potential of Platelet-Derived Extracellular Vesicles	Wei-Tung Wang	367	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Validation of DPP4 EV cargo as a promising non-invasive early biomarker of DKD	Charlotte McIntosh	368	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Virus-specific remodeling of extracellular vesicle piRNA cargo by human metapneumovirus and respiratory syncytial virus in airway epithelial cells	Tiziana Corsello	369	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
YRNA is stably packaged in lung extracellular vesicles and ribonucleoprotein particles during inflammation to regulate macrophage transcriptional programs	Cherie Saffold	370	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
"A new nanotechnology to detect small extracellular vesicles in host-pathogen interaction"	Nhung Nguyen	371	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
"Development of In-house CD9 Fab-Streps for immunoaffinity capture of extracellular vesicles: A formulation and stability study"	Syeda Fatima	372	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
A Fed-Batch Chemically Defined hMSC-EV Bioprocess Medium Enabling 2-4x EV Yield Improvements in Bioreactor Culture	Elie Zakhem	374	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
A machine learning workflow for automated extracellular vesicle detection and quantification in cryo-electron microscopy	Pujan Desai	376	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
A scalable workflow for micelle-based extracellular vesicle engineering enabled by hollow-fiber bioreactor production	Thaddeus Tripp	377	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
A versatile strategy for the isolation and functional analysis of primary, cell-specific large EVs	Lélia Borowski	379	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Advanced analytical profiling of MSC-EVs highlights tissue- and donor-dependent heterogeneity	Madeline Cramer	380	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Advanced Spongy Monolith-Based Separation Media for Bio-Related Targets from Exosomes to Viruses	Takuya Kubo	381	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Analysis of fluorescent liposome and extracellular vesicle uptake in THP-1 cells using imaging flow cytometry	Maria Gracia Garcia Mendoza	382	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Auditable normalization framework for whole-organ and biopsy-derived EV yields: estimating biological variability and analytical imprecision to define critical-difference thresholds	Edita Aksamitiene	383	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Beyond the bench: a global multi-center pilot study on the necessity of third-party certification and standardized SOPs for reproducible extracellular vesicle production	Carla Mazzeo	384	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.

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Bioengineered cells for brain-targeted extracellular vesicle production	Anyapat Atipimonpat	385	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Bioreactor conditioning using extremely low-frequency electromagnetic fields enhances mesenchymal stem cell extracellular vesicle production without altering vesicle function	Miks Priedols	386	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Bovine placental-derived bioink reprograms the tissue microenvironment for enhanced regeneration and senescence reversal	Fabiana Mastantuono	387	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Characteristics of different MSC cultures by origin and their ability to produce EV and low secretion of pro-inflammatory cytokines in the culture medium	Yuliia Khmelnytska	389	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Chemically Inducible FKBP-FRB Cargo Recruitment to CD9-Engineered EVs Enables Functional Delivery to Refractory Solid Tumor Cells	Jong Hyun Kim	390	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Cholesterol efflux activity of extracellular vesicles engineered with surface-anchored apolipoproteins	Jack Jingyuan Zheng	391	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Comparative analysis of extracellular vesicle isolation and characterization from respiratory biospecimens	Yiming Lin	392	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Comparative Analysis of Ultracentrifugation and Capto™ Core 700–Based Size and Affinity Exclusion Methods	Vanessa Morais Freitas	393	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Comparative bioorthogonal click and amide chemistries on lipid-inserted bovine milk extracellular vesicles for modular fluorophore and targeting ligand conjugation	Kameron Burton	394	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Comparative Evaluation of Size Exclusion Chromatography Columns for tumor-derived Extracellular Vesicles (tdEVs) Isolation in Plasma and Urine	Rubia Noori	395	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Construction of umbilical cord mesenchymal stromal cell-derived extracellular vesicles enriched with longevity factor Klotho and their in vitro anti-aging effects	Anyuan Zhang	397	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Design and validation of a fully automated immunoprecipitation-based system for efficient isolation and quantification of extracellular vesicles	RAN GU	398	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Developing a Reliable Protocol for Analysis of Salivary EV-DNA	Ali Fahad Usmani	399	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Development of a high-throughput method for isolating plasma extracellular vesicles for digital flow cytometry analysis	Michelle Asencio	400	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Probiotic-derived outer membrane vesicles selectively target inflamed brain regions in a mouse neuroinflammation model	Wenshen Wang	402	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Discrimination of extracellular vesicles (EVs) from non-vesicular nanoparticles directly in plasma using multi scatter gating on the CytoFLEX nano	Kieran Brennan	403	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Effects of multiple freeze–thaw cycles on large extracellular vesicle biophysical and biomolecular properties	Joanna Dahl	405	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Electrophoretic profiling of extracellular vesicle heterogeneity by capillary zone electrophoresis	Andrea Capuano	406	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Electrostatic surface masking of small extracellular vesicles (sEVs) isolated via polymer precipitation	Bianca Mercado Velez	407	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Employment of nanoVAST-EVs for efficient intracellular delivery of therapeutic gRNA cargos	Laura Pezzella	408	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineered Extracellular Vesicles Demonstrate Altered Endocytosis and Biodistribution and Have Superior Oral siRNA Delivery Efficiency Compared to Lipid Nanoparticles	NING DING	410	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineering bioinstructive layer-by-layer films through the integration of extracellular vesicles	Deisy Jimenez	411	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineering Cells to Produce EVs for Biomarker and Therapeutic Applications	Samuel Orozco	412	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineering milk-derived extracellular vesicles as a covalent siRNA delivery platform for targeted th17 modulation	Tian Tian	413	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Enrichment of albumin-depleted extracellular vesicles from human plasma by ultrafiltration and size-exclusion chromatography reveals EV populations relevant for biomarker discovery	Cynthia López-Pacheco	414	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Evaluation of extracellular vesicle integrity and surface protein distribution in response to ultracentrifugation	Xuanxuan Li	415	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Surface-Based Extracellular Vesicle Delivery from Extracellular Matrix Surface Coatings Affects Cellular Uptake	Yan Li	416	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
ExoBLAZE assay for measuring extracellular vesicle/cell membrane fusion and content delivery	Zach Troyer	417	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
EXOKERYX™ Demeter EVPrep™ is a novel dielectrophoresis-based extracellular vesicle (EV) isolation method that provides automated, high-throughput, and reproducible EV yields	Caitlin McAtee	418	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Exploring Nanosecond Pulsed Electric field (nsPEF)-mediated electro-exocytosis of extracellular vesicles in immune cells	Ruben Colunga Biancatelli	419	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle–associated protease activity enables detection of pancreatic ductal adenocarcinoma	Prima Dewi Sinawang	420	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.

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Flow Cytometric Evaluation of SYTO 9 Green Staining in Empty and Loaded Lipid Nanoparticles Using the CytoFLEX nano Flow Cytometer	Boi Hoa San	421	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Generalizable aptamer-based direct detection of extracellular vesicle markers from human plasma	Juan Hinestrosa	422	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Generation of Cellular Biofactories for Scalable Production of Surface-Engineered Extracellular Vesicles via CRISPR Genome Editing	Yuki Kawai-Harada	423	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
High-yield migrasome production using adherent bioreactors	Anna Kolesov	424	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
How can we use cutting edge nanoflow for EV characterization: pitfalls and opportunities	Nea Korvenlaita	425	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
"Modifying tumor-derived EVs by Nef expression to change their interaction with immune cells"	Luisa Loconte	427	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Antibody-Displaying Extracellular Vesicles for Precision B-Cell Targeting	Doste Mamand	429	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Artificial Intelligence-Guided CatiPep® Priming Reprograms Mesenchymal Stem Cell-Derived Extracellular Vesicles for Disease-Modifying Osteoarthritis Therapy	Hsiu-Jung Liao	430	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Assessment of extracellular vesicle transport across an in vitro gastrointestinal barrier model	Marc Liébana	431	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Bioengineered Extracellular Vesicles Countering Osteoarthritis (BEVCO)	Osama Saher	432	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Bioprocess Design and Optimization of Extracellular Vesicles Derived from Mesenchymal Stromal Cells	Aslan (Mehdi) Dehghani	433	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Bone anabolic potential of small extracellular vesicles released by human induced pluripotent stem cell-derived mesenchymal stem cells in a model of haploinsufficiency osteogenesis imperfecta.	Pascale Guillot	434	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
RvD1-treated macrophage EVs for oral wound healing	Helly Patel	435	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
CDC-EV-derived long non-coding RNA BCYRN1 and synthetic derivatives enhance regulatory T cell function	Ke Liao	437	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Comparative extracellular vesicle cargo signatures from retinoblastoma and healthy retinal cells reveal identify nanotherapeutic targets	Sushma Mudigunda	438	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Comparing neural and mesenchymal stem cell-derived extracellular vesicles in restoring endotoxin-induced dysfunction in Alzheimer's disease brain microvascular endothelial cells	Jolene Phelps	439	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Comprehensive screening of anti-inflammatory factors induced by mesenchymal stem/stromal cell-derived extracellular vesicles	Tomofumi Yamamoto	440	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
DAT-targeted MSC-derived EVs prevent mortality and rescue motor deficits in a Parkinson's disease model	Chang-Ying Chiang	441	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Development of a fibrosis-relevant in vitro model to validate extracellular vesicles from probiotic-fermented milk	Cristina Bogdan	442	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Differential cardioprotective effects of extracellular vesicles from distinct cellular sources under ischemic injury	nadtaya Kongpan	443	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Dual-action mitoxantrone-loaded NK92 extracellular vesicles outperform free drug and HEK-derived vesicle carriers in breast cancer cells	Felix Sandberg	444	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Proteomic Characterization and Enrichment of Secretome derived from Wharton's Jelly Mesenchymal Stromal Cells for Therapeutic Applications	Hector Ortega-Arellano	445	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Endogenously loaded cytotoxic extracellular vesicles derived from induced neural stem cells for brain tumor therapy	Caroline Stockwell	446	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineered exosomes for targeted delivery of allele-specific genome editing CRISPR/Cas9 KRASG12D for treatment of pancreatic cancer	Yaseera Arif	447	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Rhizoma Drynariae-Derived Extracellular Vesicles-like Particles Incorporated GelMA Hydrogel for Osteoarthritis Treatment	Kewei Zhao	448	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineered Extracellular Vesicles for improving specificity and effectiveness of immunotherapy responses	Ana Dogan	449	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineered Milk-Derived Extracellular Vesicles Delivering miR-181a-5p Regulate DC-T Cell Immune Responses in Allergic Airway Inflammation	Si-Lin Yu	450	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineered NK cell extracellular vesicles as scalable immunotherapeutics for cholangiocarcinoma	Piyushkumar Gondaliya	451	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineered plant-derived extracellular vesicles with enhanced directionality for brain delivery of CRISPR/Cas9	Tomohiro Umezu	452	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Engineering EVs for precision targeting of EGFR1+ triple-negative breast cancer	Erna Jónsdóttir	454	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Enhanced extracellular vesicle production from mesenchymal stromal cells through optimized culture conditions for scalable ATMP manufacturing	Cottrell Tamessar	455	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.

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Exercise-preconditioned EPC-EXs mitigate ischemic brain injury in a hypertensive stroke mouse model	Jinju Wang	457	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Exploiting extracellular vesicles in gene therapy: a powerful tool for RNA loading	Elita Montanari	458	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicle-enabled minimally invasive treatment of tendon injury	Hua Shen	459	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles as mediators of disease progression and therapeutic agents in ALS	Chaya Brodie	461	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles derived from induced pluripotent stem cells mediate anti-inflammatory effects in human primary macrophages.	Orina Belton	462	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles derived from mesenchymal stem cells promote motor recovery by dampening neuroinflammation in a mouse model of cortical stroke	Claudio Grassi	463	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Extracellular vesicles from mesenchymal stem cells attenuate adverse left ventricular remodeling in a murine model of myocardial infarction	Pilar Sepulveda	465	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Functional targeting and antitumor activity of engineered natural killer cell-derived extracellular vesicles in brain tumor models	Seung Ah Choi	467	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Functionalized exosomes potentiate the anticancer effects of cannabidiol against breast cancer	Disha Nagesh Moholkar	468	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Harnessing EV-bound costimulatory ligands to direct T-cell activation and function	Emily Haughton	470	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.
Heligmosomoides polygyrus extracellular vesicles as modulators of the host immune system and platforms for multivalent vaccines	Li An Cowley	471	Poster Session 2 April 25, 2026, 4:30 - 6:00 p.m.