

Next-Gen Instruments & Tools Driving EV Research 2026

Dates: Thursday, March 26, 2026 - Friday, March 27, 2026

Location: Denver, Colorado

Abstracts for Presentations at SelectBIO Website

Thursday, March 26, 2026 – Conference Day 1

08:00 Conference Registration, Coffee and Networking

09:00 Welcome and Introduction by Conference Chairperson + Conference Themes and Topics Addressed

Michael Graner, Professor, Department of Neurosurgery, University of Colorado Denver, Anschutz Medical Campus -- Conference Senior Chairperson

09:10 Keynote Presentation

Single-Molecule Sensitive Digital Flow Cytometry

Daniel Chiu, A. Bruce Montgomery Professor of Chemistry and Endowed Professor of Analytical Chemistry, and Professor of Bioengineering, University of Washington

09:40 Keynote Presentation

Screening Tests using Integrated Micro- and Nanofluidic Devices for the Early Detection of Ovarian Cancer with Extracellular Vesicles Serving as the Input

Steve Soper, Foundation Distinguished Professor, Director, Center of BioModular Multi-scale System for Precision Medicine, The University of Kansas

10:10 Mid-Morning Coffee Break and Networking with the Exhibitors

11:00 Technology Spotlight Presentation

Demeter EVPrep: Where Microchips Meet Biotech to Deliver Automated, Reproducible EV Isolation

Varshal Davé, Senior Vice President Commercial, Exokēryx, Inc.

11:30 Technology Spotlight Presentation

ZetaView Evolution – Providing Advanced Nanoparticle Tracking Solutions

Michael J. Van Kanegan, Head of Support & Application Technology, Particle Metrix, Inc.

12:00 Keynote Presentation

Dysregulated Ferritinophagy Promotes Ferroptotic EV Cargo Release and Synaptic Impairment in HIV Tat-Exposed Microglia

Shilpa Buch, Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center

12:30 Networking Lunch -- Engage with Exhibitors

14:00 Chairperson Presentation

Extracellular Vesicles from a Glioblastoma Organoid Alter Astrocyte Signaling Pathways

Michael Graner, Professor, Department of Neurosurgery, University of Colorado Denver, Anschutz Medical Campus

14:30 Exosomes as Biomarkers for Alzheimer's Disease and Beyond

Christina Coughlan, Assistant Professor, University of Colorado Anschutz Medical Campus

15:00 How a Cell-associated Virus Utilizes Non-infectious Extracellular Vesicles to Propagate Infection and Disease

Andrew Bubak, Assistant Professor, Department of Neurology, University of Colorado – Anschutz Medical Campus

15:30 Mid-Afternoon Coffee Break and Networking

16:00 Round-Table Discussion about Current Trends in EV Research

Michael Graner, Professor, Department of Neurosurgery, University of Colorado Denver, Anschutz Medical Campus -- Conference Senior Chairperson

16:30 Product Demonstration

Particle Metrix Product Demonstration on EV Samples from Anschutz Researchers

Michael J. Van Kanegan, Head of Support & Application Technology, Particle Metrix, Inc.

17:30 Close of Day 1 of the Conference

Friday, March 27, 2026 – Conference Day 2

09:00 Coffee and Networking

09:30 Mechanistic Insights into Extracellular Vesicle Interactions with the Blood-Brain Barrier in Alzheimer's Disease

Mercedes Lopez, University of Colorado Anschutz Medical Campus

10:00 Glioblastoma Exosome Lipidomics - What We Couldn't Name Before and What We Know Now

Hayley Grandberg, University of Colorado Anschutz Medical Campus

10:30 Mid-Morning Coffee Break

11:00 Exploring Innate Immune Activation by Extracellular Vesicles and Particles in a Novel Chordoma Cell Line

Leslie Vargas, University of Colorado Anschutz Medical Campus

11:30 Extracellular Vesicles from a Stem Cell-Like De-Differentiated Chordoma Promote Stem Cell Characteristics

Jack Robinson, University of Colorado Anschutz Medical Campus

12:00 Lunch

13:00 All Participants Head to Exosome Core Facility Anschutz: Onsite Demo of Instrumentation for EV Analysis and Running EV Samples in Real-Time