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SelectBIO December 3-4, 2026

Kuala Lumpur, Malaysia

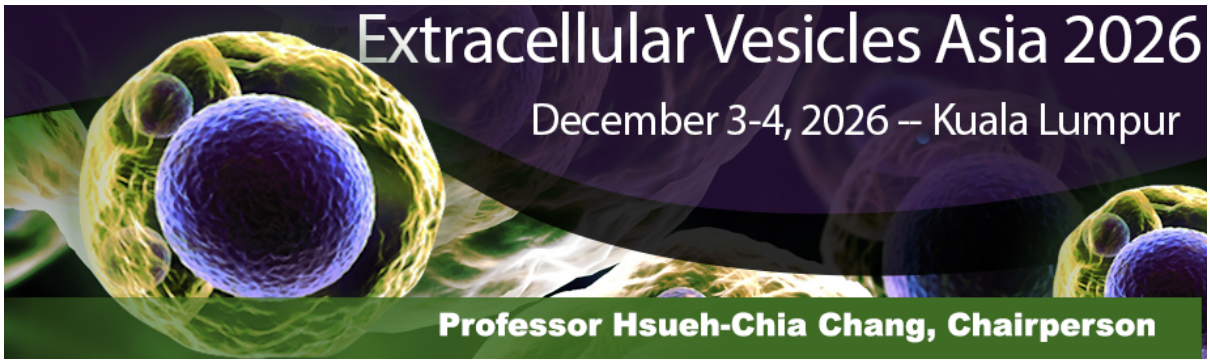
Extracellular Vesicles Asia 2026: Technologies to Dx and Rx

Point-of-Care, Rapid Diagnostics & Biosensors 2026

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Conference Day 1 – Thursday, 3 December 2026

08:00 Participants Check-In
Conference Registration, Conference Materials Pick-Up, Coffee, Tea and Networking

09:00 **Conference Chairperson's Welcome**
Nanotechnologies for Multi-Omic and Multiplexed EV Diagnostics

Hsueh-Chia Chang, Bayer Professor of Chemical and Biomolecular Engineering, University of Notre Dame; Co-Founder & CTO, Aopia Biosciences, United States of America—Conference Chairperson

09:30 **Keynote Presentation**
Extracellular Vesicle Plasma Proteins in Diagnosis and Prognosis of Cardiovascular Disease

Dominique PV de Kleijn, Professor Experimental Vascular Surgery, Professor Netherlands Heart Institute, University Medical Center Utrecht, The Netherlands

10:00 **Technology Spotlight Presentation:**
Particle Metrix Nanoparticle Tracking Analysis Platform for Studying EVs and LNPs

Sven Kreutel, CEO, Particle Metrix, Inc., United States of America and Germany

10:30 Mid-Morning Coffee, Tea and Snacks in the Exhibits Area and Networking with Exhibitors + Poster Viewing

11:00 Single-Vesicle Digital Surface-Enhanced Raman Scattering Profiling of Brain-derived Extracellular Vesicles from Blood

Richard Lobb, Bioengineering and Nanotechnology, The University of Queensland, Australia

11:30 Extracellular Vesicles as Multi-Specific Therapeutics for Lung and Rare Diseases

Wojciech Chrzanowski, Professor of Nanomedicine, The University of Sydney, Australia

12:00 Label-free Microfluidics Technologies for Extracellular Vesicles Isolation

Han Wei Hou, Associate Professor, Lee Kong Chian School of Medicine, Nanyang Technological University Singapore

12:30 Networking Buffet Lunch in the Hotel Restaurant and Poster Viewing

13:30 Extracellular Vesicles as Nucleic Acid Drug Carriers: Mechanistic Insights and Engineering Strategies

Ying Zhang, Assistant Professor, School of Pharmaceutical Sciences, Tsinghua University, China

14:00 MSC-EVs and Their Active Components for Joint Repair

Wei Seong Toh, Associate Professor, Department of Orthopaedic Surgery, Yong Loo Lin School of Medicine, National University of Singapore

14:30 AI-Engineered Extracellular Vesicles: A New Frontier for Disease-Modifying Osteoarthritis Therapy

Hsiu-Jung Liao, Assistant Professor, Institute of Biopharmaceutical Sciences, National Yang Ming Chiao Tung University, Taiwan

15:00 Mid-Afternoon Coffee, Tea and Snacks in the Exhibits Area and Networking with Exhibitors + Poster Viewing

15:30 AI-Designed Artificial Exosomes: Toward Scalable Nanovesicle Therapeutics

Hyo-Il Jung, Professor, School of Mechanical Engineering, Yonsei University, Seoul, South Korea

16:00 **Technology Spotlight Presentation: From Multi-Liter Harvests to Characterized EVs: Building Reproducible Clarification and Ultracentrifugation Workflows**

Rusheni Munisvaradass, Product Lab Solution Specialist, Eppendorf Asia Pacific Sdn Bhd, Malaysia

16:30 MySEV and the Malaysian Extracellular Vesicle Research Landscape: Expertise, Engagement and Collaboration

Norhayati Binti Liaqat Ali Khan, Centre of Preclinical Studies, Faculty of Dentistry, TS Dr Hajah, Universiti Teknologi Mara (UiTM); President, Malaysian Society for Extracellular Vesicles (MySEV), Malaysia

17:00 Purification and Characterization of Engineered Let-7a-Enriched Extracellular Vesicles for Attenuating Acute Lung Injury and Peritoneal Fibrosis

Chi-Ying F. Huang, Institute of Biopharmaceutical Sciences, College of Pharmaceutical Sciences, National Yang Ming Chiao Tung University, Taipei, Taiwan

17:30 Meet the Exhibitors and Engage with Colleagues + Particle Metrix on-site + Eppendorf on-site + Kloé on-site + Poster Viewing

Instrument Demonstration



Onsite Demonstration of the ZetaView Platform for NTA, fNTA

Sven Kreutel, CEO, Particle Metrix, Inc., United States and Germany

Product Demonstration



Onsite Demonstration of Eppendorf Products for EV Researchers

18:30 Close of Day 1 of the Conference

Conference Day 2 – Friday, 4 December 2026

08:30 Morning Coffee, Tea and Networking + Poster Viewing

09:00 Development of Bispecific Extracellular Vesicles for Cancer Immunotherapy

Le Thi Nguyet Minh, Associate Professor, Yong Loo Lin School of Medicine, National University of Singapore

09:30 Mesenchymal Stem Cells Derived Exosomes as Therapeutics: Immune Regulation on the Ocular Surface

Hon Shing Ong, Assistant Professor, Ophthalmology & Visual Sciences, Duke-NUS Medical School Singapore

10:00 MSC-EVs as Therapeutics in the Treatment of Musculoskeletal Diseases

Jiao Jiao Li, Senior Lecturer in Biomedical Engineering at University of Technology Sydney (UTS), Australia

10:30 Scientific Challenges in Translating MSC-sEV Therapeutics

Sai Kiang Lim, Chief Scientist, Paracrine Therapeutics; Associate Research Professor (Adj), Surgery, YLL School of Medicine, NUS, Singapore

11:00 **Networking Time Block**

11:30 **Networking Time Block**

12:00 Networking Buffet Lunch in the Hotel Restaurant

13:00 Extracellular Vesicles Enabled Next-Generation Biotherapies

Haiyan Xie, Professor, School of Pharmaceutical Sciences, Peking University, China

13:30 Bacterial Extracellular Vesicles in Periodontitis Diagnosis and Disease Monitoring

Pingping Han, NHMRC Investigator Fellow, School of Dentistry, The University of Queensland, Australia

14:00 EV-GlioMA: Advancing Non-Invasive Glioma Diagnostics Through Urinary Extracellular Vesicle Metabolomic Profiling

Hang Zou, Professor, Department of Laboratory Medicine, Nanfang Hospital, Southern Medical University, China

14:30 Mid-Afternoon Coffee, Tea and Snacks – Network with Exhibitors + Poster Viewing

15:00 Extracellular Vesicle-Associated STAT3 as a Potential Biomarker and Mediator of Epithelial–Immune Crosstalk in Skin Fibrosis

Binita Dam, Senior Research Fellow, Institute for Stem Cell Science and Regenerative Medicine (BRIC-inStem), India

15:30 Programming the Liver as an In Vivo Extracellular Vesicle Biofactory Enables Kidney-Directed HNF4A mRNA Delivery via the Albumin–LRP2 Axis

Hong-Bin Yang, Institute of Nephrology, Zhongda Hospital, Southeast University, Nanjing, China

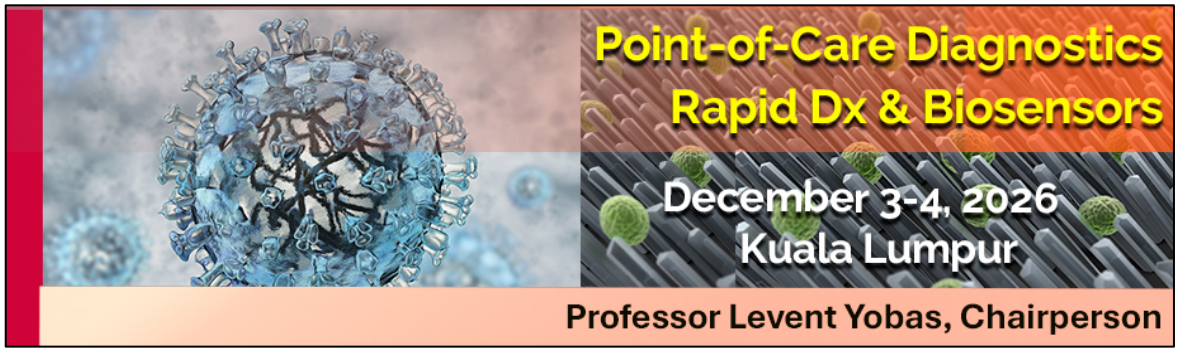
16:00 The Regulatory Role of Reproductive System-Derived Extracellular Vesicles in Human Sperm Fertilizing Ability

Anastasiia Sysoeva, Federal State Budgetary Institution "National Medical Research Center for Obstetrics, Gynecology, and Perinatology named after Academician V.I. Kulakov" of the Ministry of Health of Russia, Russian Federation

16:30 Follicular Fluid Extracellular Vesicles: From Ovarian Function to Biomarker Development

Mathilde Bergamelli, Senior Research Fellow, National University of Singapore

17:00 Close of Conference



Satellite Track Agenda – Thursday, 3 December 2026
Chaired by Professor Dr. Levent Yobas
Professor, Hong Kong University of Science and Technology

13:30 Keynote Presentation
A Point-of-Care Pathogen Detection Using Reagent-Free Nucleic Acid Purification

Levent Yobas, Professor, Hong Kong University of Science and Technology

14:00 Engineering Light for Rapid Point-of-Care Diagnostics

Abraham Qavi, Assistant Professor, Director of Point of Care Testing, Director of Innovative Laboratory Diagnostics, University of California-Irvine, United States of America

14:30 **Technology Spotlight Presentation**
Presentation Details to be Confirmed

Paul Coudray, CEO, Kloé, France

15:00 Mid-Afternoon Coffee Break and Networking -- Coffee, Tea and Light Snacks

15:30 A Fully Integrated Lab-on-a-Chip Platform for In-Field Diagnostics of Sugarcane Diseases

Gabriella Dias Arena, Research Scientist, Doroth – Biotech Automation for Better Farming, Brazil

16:00 Microfluidic Impedance-Deformability Cytometry for Rapid Cardiovascular Risk Stratification

Han Wei Hou, Associate Professor, School of Mechanical and Aerospace Engineering, Lee Kong Chian School of Medicine, Nanyang Technological University Singapore

16:30 Rapid Phenotypic Antimicrobial Susceptibility Testing for Improved Treatment of Infections

Kangning Ren, Professor, Department of Chemistry, Hong Kong Baptist University

17:00 Deformability Cytometry for Noninvasive High-throughput Characterization of Cells

Megan Yi-Ping Ho, Professor, The Chinese University of Hong Kong and National Taiwan University, Hong Kong SAR and Taiwan ROC

17:30 Networking Event -- Meet the Exhibitors and Engage with Colleagues + Particle Metrix on-site + Eppendorf on-site + Kloé on-site + Poster Viewing

18:30 Close of Satellite Track