February 2026

www.msb2026.org

MSB2026

NEWSLETTER

MSB2026 – Int'l Symposium on Microscale Separations & Bioanalysis

MSB 2026 Key Dates

We're opening registration, including early-bird rates.
Key deadlines are listed below.

Abstract Submission
Oral | by Mar. 15, 2026
Poster | by Mar. 15, 2026

Registration
Early Bird | by Mar. 31, 2026
Standard | by Apr. 30, 2026

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SCIEX Award

Alexander Ivanov

Department of Chemistry & Chemical Biology
Barnett Institute of Chemical & Biological Analysis

SCIEX Award recipient Dr. Alexander Ivanov joins MSB 2026 as a speaker, highlighting advances in chemical and biological analysis.
Join us on-site to catch the talk and connect during the meeting.

More Awards, More Ways to Join

Travel Award

Win **registration fee waiver** to support on-site attendance for emerging researchers.

- **Apply by: Mar. 20, 2026**
- **Winner announced: Mar. 27, 2026**

Submit your application.

Poster Award

Honoring early-career scientists for high-impact research and innovation in the field
Feb 28 is the abstract deadline.

Young Scientist Award

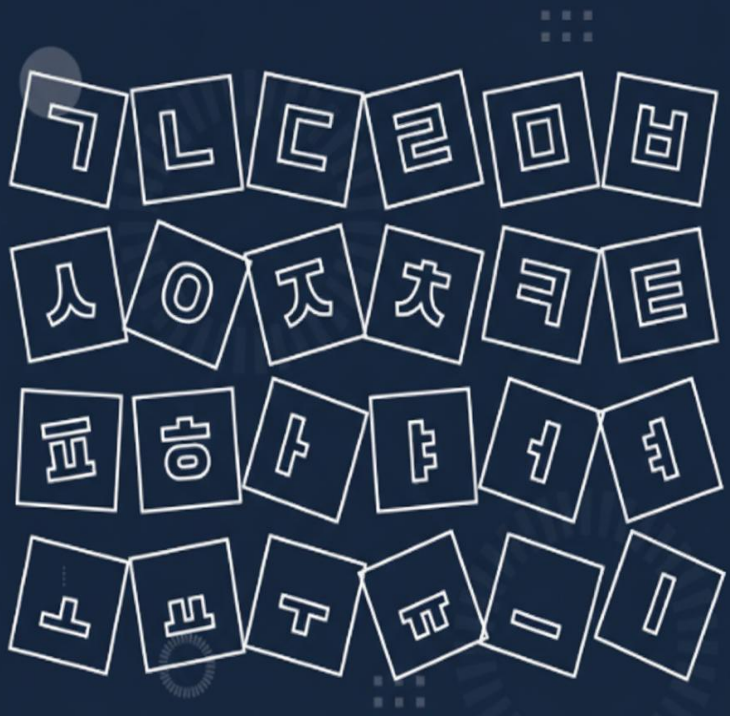
Awarded to early-career scientists in recognition of exceptional contributions to the field.

MSB Workshop : Learn Hangul

HANGEUL(한글)
Korean ALPHABET

New to Korean? Start here. This fun, beginner-friendly session will get you reading the basics of Hangul.

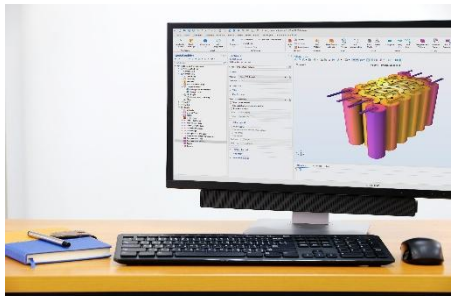
MSB 2026 Day 1 | May 10 | 13:00



MSB Workshop: COMSOL Software

Computational Modeling of Electrokinetic Separations by COMSOL Software

MSB 2026 Day 1 | May 10 | 13:00



MSB 2026 Accommodations

Recommended Hotels for Conference Participants



Lotte City Hotel Daejeon

Address 33 Expo-ro 123beon-gil, Yuseong district, Daejeon

Website lottehotel.com/daejeon-city

Contact +82-42-333-1000


ICC Hotel

Address 55 Expo-ro 123beon-gil, Yuseong district, Daejeon

Website http://hotel.hotelicc.com

Contact +82-42-866-5000



I-Hotel

Address 27-5 Expo-ro 123beon-gil, Yuseong district, Daejeon

Website https://www.guestreservations.com/daejeon-i-hotel/booking

Contact +82-42-865-2000

Suttle Bus Service

Shuttle bus services will be available between the conference venue and the designated hotels listed above. Detailed schedules and pickup points will be announced soon.

Plenary Speaker Spotlight

Hyun Joo An

Chungnam National University, Korea

"Glycan Isomers as a New Lens on Brain Disorders"

Frantisek Foret

Institute of Analytical Chemistry, Czech Republic

"Epitachophoresis – Principles and Applications for DNA and Protein Concentration."

Akihide Hibara

Institute of Science Tokyo, Japan

"Toward Screening of PFAS-biomolecule Interactions: Chromatography with Sub-monolayer Fluoroalkyl-Silane Modification"

Carlito Lebrilla

University of California, Davis, USA

"Revealing Role of Glycans in Cell-Cell Interactions"

Nianqiang Wu

University of Massachusetts, USA

"Opto-microfluidic Lab-on-Chip Systems for Microscale Separation and Point-of-Care Testing of Bood"

An Exclusive Preview of Our Keynote Speakers

Fundamentals & Methodology

Advances in Capillary Electrophoresis and Liquid Chromatography Principles of Separation Science

Chengxi Cao (Shanghai Ziao Tong University)

Free-Flow Electrophoresis for Separation of Bioparticles and Their subpopulations

David Chen (University of British Columbia)

Capillary Electrophoresis Frontal Analysis for Affinity Evaluation of Biomolecules

Hervé Cottet (Institut des Biomolécules Max Mousseron)

Understanding and Optimizing Separation Efficiency of Intact Proteins in CE and CE-MS

Andras Guttman (University of Pannonia)

Quo Vadis Capillary Gel Electrophoresis

Dukjin Kang (KRISS)

Quantitative proteomic analysis of cerebral organoid-derived extracellular vesicles to underpin the maturation of organoids

Sunghwan Kim (Kyungpook National University)

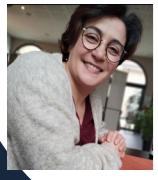
Assessing the Impact of Tire-Derived Particulate Matter Additives on Bee Metabolites via LC-MS Analysis

Tae-Young Kim (DIST)

Effects of pH and Buffer on the Separation of 92 Polar Metabolites by HILIC-ESI-MS

Thanh Duc Mai (Université Paris-Sud)

Multiple-régime On-Line Preconcentration for High-performance CE-LIF of Biomolecules and Nanoparticles with Heterogeneous Mobilities



Reine Nehmé (Université D'orléans)

Miniaturized Near-Native Enzymatic Assays for Kinetic and Affinity Analysis using capillary electrophoresis and microscale thermophoresis

An Exclusive Preview of Our Keynote Speakers

Mass Spectrometry & Omics

Coupling of Separation and Mass Spectrometry
Glycan Analysis
Glycomics, Metabolomics, and Proteomics,
New Trends in Mass Spectrometry Analysis

Victor González-Ruiz (CEU-San Pablo University)

Metabolomics and CE-MS: from a Couple's Fight to a Honeymoon

Lisa Holland (West Virginia University)

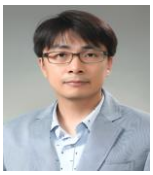
Microscale Separations Coupled to Mass spectrometry through Vibrating Sharp-Edge Spray Ionization

Gábor Járvás (University of Pannonia)

The Evaluation of the Glucose Unit Calculation

Takayuki Kawai (Kyushu University)

Ultra-Sensitive Bioanalysis by Dual-Stacking Capillary Electrophoresis



Min-Sik Kim (DGIST)

Muli-Omics Analysis of Human Calcific Aortic Valve Disease

Jana Lavicka (Czech Academy of Sciences)

Advancing CE/LIF and CE-MS Analysis of Glycans by improving Detection Sensitivity

Susan Lunte (University of Kansas)

Bioanalytical Applications of Microchip Electrophoresis

Govert Somsen (Vrije Universiteit)

Advancing Microfluidic Capillary Electrophoresis - Mass spectrometry for Quality Assessment of Pharmaceutical Antibodies

Lihua Zhang (Dalian Institute of Chemical Physics)

In vivo Chemical Crosslinking to Decipher Large Scale Protein-Protein Interaction in Living Cells

An Exclusive Preview of Our Keynote Speakers

Impact & Applications

Environmental Analysis
Food Analysis
Pharmaceutical Analysis

Yun Gyong Ahn (KBSI)

Spatial Characteristics of Atmospheric Polycyclic Aromatic Compounds in Northeast Asia using GC/MS

Kun Cho (KBSI)

Plastiglomerates as a New Anthropogenic Rock in Korea's Coastal Environment: Mass Spectrometric Insights

Jaehak Jung (KIAST))

Global Trends in Microplastics Regulations and Advances in Analytical Methods

Byungjoo Kim (KRISS)

Development of ID-LC/MS Methods for the Accurate Analysis of Mycotoxins in Food

Cheong-Tae Kim (Nongshim Co., Ltd.)

The Importance of Analytical Systems and the Applications of Mass Spectrometry in the Food Industry

Jaehan Kim (Chungnam National University)

TBD

Jong-Seo Kim (Seoul National University)

TBD

Dong-Kyu Lee (Chung-Ang University)

Single-Cell Imaging of Lipid Unsaturation via Nanoscale Secondary Ion Mass Spectrometry Palladium-Catalyzed Deuteration

Jae Kyoo Lee (Seoul National University)

TBD

An Exclusive Preview of Our Keynote Speakers

Fundamentals & Methodology

Sample Preparation for Bioanalysis

Tomasz Baczek (Medical University of Gdansk)

Sustainable Sample Preparation for Monitoring of Endocannabinoids and Phytocannabinoids

Sunyoung Bae (Seoul Women's University)

TBD

Yong Seok Choi (Dankook University)

TBD

Ryan Kelly (Brigham Young University)

Advanced Sample Preparation and Separations Drive Down the Cost of In-Depth Proteome Profiling to $10 per Sample

Jeongmi Lee (Sungkyunkwan University)

Emerging Deep Eutectic Solvents in Sample Preparation Methods

Hong Heng See (University of Technology Malaysia)

Solid-State Electrokinetic Migration in Polymer Inclusion Membranes

Karen Waldron (University of Montréal)

Glutaraldehyde-Crosslinked Enzymes for On-Surface Digestion of Proteins

An Exclusive Preview of Our Keynote Speakers

Fundamentals & Methodology

Novel Instrumentation in Chemical Separations

Chang Min Choi (KBSI)

Domestic Development of a ToF-SIMS Platform for Spatial Separation–Enabled Imaging Mass Spectrometry of Organic Surface Molecules

Hyomin Lee (POSTECH)

Droplet Microfluidic Instrumentation for Compartmentalized Bioanalysis

Jongcheol Seo (Postech)

TBD

Innovation & Future Tech

Micro and Nanofluidics in Bioanalysis
Nanotechnology in Bioanalysis

Mark Hayes (Arizona State University)

Understanding Impact of Microscale Technical Breakthroughs on Clinical Practice

Alexandra Ros (Arizona State University

Exploiting the Microenvironment for Bioanalysis

Manabu Tokeshi (Hokkaido University)

Paper-based Microfluidic Platforms for Field Detection of Chemical Threats

Guowang Xu (Dalian Institute of Chemical Physics)

New Annotation Methods for High-Resolution Mass Spectrometry-Based Nontargeted Metabolomics

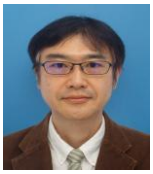
Xiuli Zhang (Soochow University)

Multi-Organoid Microphysiological Systems and Their Applications in Pharmacology and Toxicology Research

An Exclusive Preview of Our Keynote Speakers

Innovation & Future Tech

Artificial Intelligence and Machine Learning in Bioanalysis Biosensors and Point-of-Care Bioanalysis



Hisakage Funabashi (Hiroshima University)

Bioanalysis Based on a Homogeneous Assay Utilizing DNA Nanotweezers as Biosensing Molecules

Bi-Feng Liu (Huazhong University of Science and Technology)

Microfluidics Towards Exosomes Analysis and Applications to Cancer Diagnosis

Rawi Ramautar (Leiden University)

Capillary Electrophoresis–Mass spectrometry for Metabolomics: A 20-year Journey of Innovation in Method Development and Microscale Bioanalysis

Muhammad Shiddiky (Charles Sturt University)

A Universal Device for Early, Rapid, and On-the-Go Molecular Diagnostics Across Fields

Yi-Lun Ying (Nanjing University)

Nanopore Electrochemistry for Single Peptide Sensing.

Yumi Yoshida (Kyoto Institute of Technology)

Electrolyte-Responsive Smart Liposomal Systems: A New Mechanistic Basis for Drug Delivery

For more speaker and program details, please visit www.msb2026.org

Scientific Committee

Tomasz Baczek
Medical University of Gdansk.

Je Hyun Bae
Chungnam National University

David Chen
University of British Columbia

Hervé Cottet
Institut des Biomolécules Max Mousseron

Mark Hayes
Arizona State University

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Kyung Hee University

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Takayuki Kawai
Kyushu University

Ryan Kelley
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Jae-Young Kim
Chungnam National University

Min-Sik Kim
DGIST

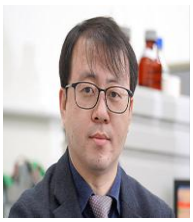
Tae-Young Kim
GIST

Jana Lavicka
Institute of Analytical Chemistry

Hye Jin Lee
Kyungpook National University

Jaebeom Lee
Chungnam National University

Hong Heng See
Universiti Teknologi Malaysia



Jongcheol Seo
POSTECH

The MSB 2026 Scientific Committee guides the scientific program and abstract review, with members from institutions worldwide.

Local Organizing Committee

Doo Soo Chung
Seoul National University
Chair

Hyun Joo An
Chungnam National University
Chair

Hyuk Nyun Kim
Korea Analytical Science & Technology Institute
Secretariat

Je Hyun Bae
Chungnam National University

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Korea Institute of Toxicology

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The team behind the scenes, bringing MSB 2026 to life in Korea
Make your way to Korea for MSB 2026!