Advancing Science Through a Unique and Immersive Conference Experience

The conference promotes the sharing of innovative research by scientists from around the world, and offers practical and educational information and solutions to challenging and pressing issues. This year's program will cover the most interesting developments from the past year, plus advances that we believe will make a splash in the years to come. Now underway is the scientific committee's review and rating of all abstracts submitted for oral consideration in the program. Look for the program to be posted online during the week of June 7.

Engaging Scientific Sessions

Don't miss four full days packed with practical and educational talks by scientists from around the world. Oral presentations with heavy focus on live Q&A. Poster contributions highlighted through poster pitches, lightning talks and best posters competition with prizes. Tutorial, vendor workshops, exhibit booths, sponsor highlights, researcher awards, and opportunities for engagement and building connections.

Impressive Conference Program

MSB 2021 is the most recognized conference in the world for the presentation and discussion of the latest developments related to all areas of microscale separations and bioanalysis. Expert scientists are working to create an exciting forum where researchers from around the world will introduce, promote and discuss the latest innovative and sometimes controversial, but mostly unpublished, scientific research results.

The scientific program covers aspects related to all major microscale separation techniques including capillary electrophoresis (CE), liquid chromatography (LC), microfluidics, mass spectrometry (MS), LC-MS, CE-MS, Lab-on-a-Chip devices, the fundamental aspects of micro- and nanofluidics, microchip fabrication, portable devices, as well as applications related to pharmaceutical sciences, biotechnology, clinical diagnostics, forensic toxicology, forensic toxicology, omics techniques (proteomics, metabolomics, etc.), food analysis, nanoparticles, industrial chemicals, and more!

Poster Presentations

The posters are a very important component of the MSB Symposia. In order to acknowledge their contribution to the field and high standards of the symposium, prizes will be awarded to the best poster contributions.

e-Science Cafe Workshop Presentations

- Bruker (gold sponsor)
- SCIEX (gold sponsor)
- VICI (gold sponsor)
- Agilent (silver sponsor)
- Phenomenex (silver sponsor)
- Thermo Fisher Scientific (silver sponsor)

Plenary Lecturers

“Electrophoretic Cytometry: Single-cell and Sub-cellular Targeted Proteomics using Microfluidic Design” - AMY E. HERR, University of California, Berkeley, CA, USA

“Organoids Microphysiological Analysis Platforms (MAP) and Exosome Detection via the Ultrafast-isolation System (EXODUS)” - LUKE P. LEE, Harvard Medical School and Women's Hospital, Boston, MA, USA

“Robust and In-depth Work Flows for Single Cell and Clinical Proteomics” - MATTHIAS MANN, Max-Planck-Institute of Biochemistry, Munich, GERMANY and University of Copenhagen, DENMARK

“Microfluidic Sorting of Extremely Rare Circulating Tumor Cells and Clusters from Blood” - MEHMET TONER, Massachusetts General Hospital & Harvard Medical School, Harvard-MIT Health Sciences & Technology, Boston, MA, USA

Poster Presentations

We invite you to present your research to colleagues from around the world. Sharing your research during the conference will help our knowledge grow, our science progress, and our technological advancements be showcased and in full display to our scientific community.

Poster Pitches

Each presenter will simply upload a pdf of their poster presentation to their virtual board and will have an opportunity to upload a 5-minute pre-recorded video in mp4 format about the work presented in the poster. Each presenter’s pdf with optional video will be simply uploaded onto their virtual board.

Lightning Talks

Poster videos will be broadcasted in the session of Lightning Talks.

Poster Competition with Prizes!

All posters presented at MSB 2021 will be considered in competition for an MSB 2021 Poster Award. The posters will be reviewed by an international panel of scientists and ranked based on novelty and originality of the work, creativity and potential for innovation; scope of work, technical quality of experimental design, and execution of experiments; readability of the presentation and author’s
*Toward Universal Druggability* - GREGORY VERDINE, LifeMine Therapeutics, Cambridge, MA, USA

*Advances in Proteomics* - JOHN YATES, The Scripps Research Institute, La Jolla, CA, USA

Share Your Research

- Click here to Submit your Abstract
- Click here for Registration details

MSB Young Scientist Award

SCIEX Microscale Separations Innovation Medal Award for current and breakthrough research in the field of Electrodriven Separations

Thermo Fisher Scientific Early Career Award for breakthrough research advancing the field of Microscale Separations and Bioanalysis

Best Poster Awards - Abstract Deadline June 20, 2021

Preliminary List of Confirmed Sponsors

The e-MSB 2021 conference is held under the auspices of the Society for Microscale Separations and Bioanalysis that serves a community of researchers from around the world who work in a large diversity of fields that focus on the development or applications of microscale separation techniques.

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