

MSB 2018

FEBRUARY 18-21
RIO DE JANEIRO
BRAZIL
www.msb2018.org



34th International Symposium on
Microscale Separations and Bioanalysis



c/o [Title] [First_Name] [A2nd_Initial] [Last_Name]

Dear [First_Name],

We are pleased to announce that the registration and abstract submission for the **34th International Symposium on Microscale Separations and Bioanalysis** (MSB 2018) is open. Please submit and abstract before **November 21st** to be considered for an oral presentation. Join us on **February 18-21, 2018** at the conference center of the Windsor Barra Hotel (Barra da Tijuca) in Rio de Janeiro, RJ, Brazil.

MSB 2018 will feature stimulating pre-conference workshops, distinguished plenary speakers and a parallel program of diverse topics with presentations along main themes of Microscale Separations and Bioanalysis.

MSB 2018 will bring together experts and practitioners from across the globe to discuss cutting-edge research on the frontiers of microscale separations science and bioanalysis covering eighteen different session topics and four short courses. The affordable registration fee includes catered lunches, dinners, receptions, and a joined excursion to the iconic Pão de Açúcar (Sugarloaf) scenic view.

Young researchers

MSB 2018 particularly welcomes young scientists and encourages their participation in the symposium by featuring:

- A student's registration fee of only 350 US Dollar, including symposium admission, lunches, dinners, receptions and an all-delegate excursion.
- A double-blind abstract review procedure providing equal chances for acceptance to the oral program, regardless reputation and seniority.
- An award for the best lecture by a young researcher.
- Selected 3-min poster pitches and several poster awards
- Four stimulating and highly informative short courses at the start of the symposium, providing one-stop in-depth tutorials on topical subjects.

Submit your abstract before **November 21st** to be considered for an oral presentation!

Click here for [Abstract Requirements](#) and here for [Abstract Submission](#).

Travel grants:

To stimulate and enable active participation of students and post-docs, various organizations offer a number of travel grants for the MSB 2018 symposium. Check the list of travel grant providers and their contacts on our [website](#).

Champion's Parade of Rio Samba Schools:

Since the MSB 2018 date was set in the week after Carnival in Rio, we invite you to come a day earlier to join us for a pre-symposium activity: the Champion's Parade of Rio Samba Schools on Feb. 17, 2018. Further details on our website (in preparation)

Program:

MSB 2017 will feature stimulating pre-conference workshops, distinguished plenary speakers and a parallel program of diverse topics with presentations in Microscale Separations and Bioanalysis.

FOUNDER LECTURE



An Immunoaffinity Capillary Electrophoresis-Based Biomarker Analyzer as a Pivotal Role in Systems Medicine-P4 Medicine

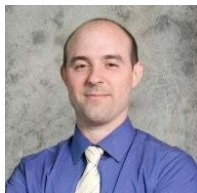
Norberto A. Guzman
Princeton Biochemicals Inc., Princeton, NJ, USA

PLENARY LECTURES



Comprehensive Analysis of HIV Glycosylation by LC/MS/MS, CE/MS/MS, and Ultraviolet Photodissociation

John R. Yates
The Scripps Research Institute, La Jolla, CA, USA



Digital Microfluidics for Chemistry, Biology, and Medicine Aaron R. Wheeler University of Toronto, Ontario, Canada



Title t.b.a. Marcos N. Eberlin
University of Campinas, Campinas, SP, Brazil

CONFIRMED KEYNOTE SPEAKERS

Moran Bercovici, Technion – Israel Institute of Technology, Faculty of Mechanical Engineering, Haifa, Israel
“Enhanced biomolecular analysis with on-chip isotachopheresis”

Pavel Kuban, Institute of analytical Chemistry of the Czech Academy of Sciences, Brno, Czech Republic

Dwight R. Stoll, Gustavus Adolphus College, Saint Peter, MN, USA
“Improving separation compatibility and performance in two-dimensional liquid chromatography using Active Solvent Modulation (ASM)”

Vincent T. Remcho, Oregon State University, Corvallis, OR, USA
“Microfluidic Devices for Clinical Analysis: Novel Surface Chemistries for Sampling and Analysis”

Susan M. Lunte, University of Kansas, Lawrence, KS, USA
“New detection methods for microchip electrophoresis-based analysis of biomarkers of oxidative stress and brain injury”

Oleg A. Mayboroda, Center for Proteomics and Metabolomics, Leiden University Medical Center, Leiden, The Netherlands
“CE-MS: searching for a “killer application”

Charles S. Henry, Colorado State University, Fort Collins, CO, USA
“Paper Meets Plastic: combining paper-analytic devices with 3D printing for disease detection”

Rainer Bischoff, University of Groningen, The Netherlands
“LC-MS/MS for the bioanalysis of therapeutic proteins”

Kiyohito Shimura, School of Medicine, Fukushima Medical University, Fukushima, Japan
“Two micro platforms for analysis of charge-variants produced by post-translational modifications”

Félix Hernández, Universidad de Jaume I, Castellón, Spain

"Analytical strategies to investigate metabolites and transformation products of organic micro-pollutants in waters: achievements and challenges"

Francisco Radler de Aquino Neto, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil

"Synergy between Omics approaches in toxicology, doping control and forensic science"

Bezhan Chankvetadze, Tbilisi State University, Tbilisi, Georgia

"Recent development in separation of enantiomers by using capillary electromigration techniques"

Gordon Lauc, University of Zagreb, Zagreb, Croatia

"High-throughput glycomics - what did we learn from first 50,000 analyses"

Elaine Holmes, Imperial College London, UK

Alexander Ivanov, Northeastern University, Boston, MA, USA

"Capillary Zone Electrophoresis Coupled to Mass Spectrometry in Deep Characterization of Proteins, Protein Complexes and Proteomes"

Matej Oresic, Academy of Finland Centre of Excellence in Molecular Systems Immunology and Physiology Research, Turku, Finland

"Lipidomics in clinical research: methods and applications"

More information about the keynote speakers, titles and abstract can be found [on this page](#)

SHORT COURSES

MSB 2018 offers four stimulating and highly informative short courses for symposium participants. Details available [here](#)

Philip Britz-McKibbin *Clinical Metabolomics and Biomarker Discovery using Capillary Electrophoresis-Mass Spectrometry*

Tarso L. Kist *Strategies to Increase Resolution in Capillary Electrophoresis*

Perry G. Wang *Practical LC-MS Method Development for Small Molecules*

Charles S. Henry *Paper-Based Analytical Devices*

Venue and Accommodations:

The 34th International Symposium on Microscale Separations and Bioanalysis, MSB2018, will take place at **Windsor Barra Hotel**, situated at the beautiful Barra da Tijuca beach (Av. Lucio Costa, 2630, Barra da Tijuca, 22620-172, Rio de Janeiro, RJ, Brazil).

The easiest way you can reach the hotel from Rio de Janeiro International Airport Galeão/Antonio Carlos Jobim (GIG) or Santos Dumont Airport is by taxi (app. 30 km, 40 min, R\$ 75-100); we recommend the use of the airport official taxi companies (R\$ 150); booths are available at the airport first floor; they accept credit cards.

LODGING INFORMATION

A limited number of rooms with discounted rate were negotiated at the symposium venue, from Feb 16 to Feb 22.

Room Type Daily Rate (buffet breakfast included)

Standard R\$ 396,00

Double R\$ 396,00

Triple R\$ 495,00*

also available free wifi, garage parking, beachfront, outdoor pool and fitness facility;

add 10% service, 5% ISS taxes and R\$ 7,00 tourism tax per room per day apply.

(app. exchange rates: 1 US Dollar= 3.2 Brazilian Real; 1 Euro = 3.7 Brazilian Real).

Booking should be done directly with the hotel.

Please click on the link below to reserve a room at the discounted rates.

<http://windsorhoteis.com/hotel/windsor-barra/offers/msb2018/?lang=en>

Please note the deadline of February 10 for hotel reservation.

Save the dates:

November 21, 2017 - Close Abstract Submission for Oral Presentation

December 8, 2017 - Deadline for Registration of Authors for Oral Presentation

January 19, 2018 - Close for Early Bird Registration at Lowest Fees

January 26, 2018 - Close for Poster Presentation for Inclusion in the Online Program

February 18, 2018 - Symposium Short Courses and Opening

Frequently check our [website](#) for latest news, [subscribe to our newsletter](#) to stay informed and/or inquire directly with the organizers of the symposium via the linked names below.

Symposium Chairs

[Marina F. M. Tavares](#)

University of Sao Paulo
Institute of Chemistry,
Sao Paulo, SP, Brazil

[Emanuel Carrilho](#)

University of Sao Paulo
Institute of Chemistry at Sao
Carlos, Sao Carlos, SP, Brazil

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