



27th International Symposium on MicroScale Bioseparations and Analysis

MSB2012

Geneva, February 12-15, 2012

2nd Brochure and Call for Paper

Invitation

It is our pleasure to invite you to Geneva, Switzerland for the 27th issue of the International Symposium on MicroScale Bioseparations and Analyses, MSB2012 formerly known as the HPCE series, February 12 – 15, 2012.

The symposium traditionally focuses on fundamental aspects of separations on the 'micro'-scale. For this issue, the organizers have added «Analyses» to the symposium title in order to emphasize that the symposium not just focuses on separation science but also on the application of micro-scale separations for (bio)analytical measurements in life science research, (bio)pharmaceuticals development, forensics, toxicology, doping analyses, food safety and authenticity and keeping our environment clean and sustainable.

The common denominators in all these fields are the "micro-dimensions" of the samples μg , μL or below, in which identity and concentration of the solutes present with increasingly growing sensitivity need to be determined.

A strong emphasis of the symposium will be on coupling of different separation methods and on their hyphenation with powerful detectors. Especially MS detectors have been proven as an invaluable and indispensable tool in bio-analytical measurement.

The symposium will offer plenary and keynote lectures as well as submitted oral presentations by academic and industrial scientists, poster sessions, workshops, tutorials and seminars by equipment manufacturers. The program layout will consequently be arranged in two parallel sessions; one emphasizing on fundamentals, the other on applications of micro-scale (bio)separations.

It is the first time that the MSB-series will go to Switzerland. We acknowledge that as a great recognition of the high level of Swiss academic and industrial research / applications in the field of MicroScale-Bioseparations and Life Sciences in general. We invite you to Geneva, its beautiful Lake Region surrounded by the Alps and look forward to meeting you there February 12-15, 2012.

Franka Kalman

Gerard Rozing

Jean-Luc Veuthey

Legal Notice

The 27th International Symposium on MicroScale Bioseparations and Analyses, MSB2012, is organized by the Centre de Compétences en Chimie et Toxicologie Analytiques (CCCTA).

Contact address; Prof. J.-L. Veuthey, CCCTA, University of Geneva, 30 Q. E. Ansermet, 1211 Geneva 4, Switzerland

Topics

The conference topics will be arranged along two parallel sessions

Fundamentals of MicroScale (Bio)separations:

- Capillary and Microchip Electrophoresis theory and new methodologies
- Microscale multidimensional separations especially coupling electrophoresis and chromatography
- New developments in CE and μ HPLC interfacing with mass spectrometry and other external detectors
- Novel instrumental techniques for electrophoresis and liquid chromatography
- Micro- and Nanoscale HPLC and HPLC Chip column technology – micro-structured, monolithic, particles and wall-coated columns
- Sample preparation methods for micro- and nanoscale separations

Applications of MicroScale (Bio)separations in:

- Proteomics and Biomarker Discovery
- Metabolomics
- Glycomics
- (Bio)Pharmaceutical Analysis
- Industrial Application and Validation of CE
- Clinical and Molecular Diagnostics
- Microorganism Determination and Single Cell Analysis
- Ion Analysis
- Chiral Analysis
- Forensic, Toxicological and Doping Analysis
- Analysis of Food and Authenticity

Scientific Program

Oral Presentations

In plenary lectures, actual topics in MicroScale (Bio)separations and Analyses will be reviewed comprehensively. Internationally renowned speakers will be invited for these lectures and will be asked to comprise tutorial content in their presentations. Following the plenary lectures, keynote and contributed oral presentations will be arranged in parallel sessions to provide an overview on the latest results in the particular session topic. Each parallel session will have a clear emphasis on fundamentals or application of micro-scale (Bio)separations.

Poster Sessions

Ample time will be provided for poster presentations. The poster sessions are a platform for interaction between researchers and users of micro-scale (Bio)separations.

Workshops

The workshops will deal with important and/or new developments in micro-scale (Bio)separations. They are intended to provide a quick entry into the topic to PhD and post-doctoral students and/or to industrial and academic scientists who want to obtain a comprehensive insight in the particular theme. Workshops may provide some basic aspects of new methodologies but will offer advanced information with close relation to practical aspects. They are intended to deliver and share experiences about new developments and methodologies. Thought leaders in the field will be invited to arrange the workshop.

Tutorials

Tutorials are aimed at learning fundamentals and applications of an important micro-scale separation technology. A tutorial will encompass the theoretical basis, the scope and modes of the separation technology, application in analysis in the life sciences and chemical analysis and practical hints for day to day practice. Tutorials will be part of the symposium program.

Exhibition and Technical Seminars

An exhibition of newly developed equipment, columns, consumables, services and literature in the various fields of MicroScale Bioseparations is planned. Manufacturers will be offered booth space and/or conference rooms for arranging technical seminars during which they can present the latest progress in their product portfolio and services, and interact intensively with current and potential users. Companies interested in participating in the industrials program are requested to contact Mr. Franck Grosset at exhibition@msb2012.org.

Registration & fees'

Registration fee includes: admission to all scientific sessions, book of abstracts, welcome party, social events, coffee breaks, lunches from Monday through Wednesday and conference bag.

- A. Early Bird Fee. Registration before November 14, 2011
- B. Normal. Registration before January 15, 2012
- C. Late and on-site registration

All prices in CHF (1 Euro: approx. 1.30 CHF)

	Industry	Academia	Student*
A.	780 CHF	650 CHF	325 CHF
B.	975 CHF	780 CHF	390 CHF
C.	1170 CHF	975 CHF	520 CHF
One day registration 400 CHF Group registration (also for workshops) please contact us via the contact form on the website. Special rates for retired scientists are available; please contact the organizers.			
Sunday Workshop			
	200**	200**	100**
	300***	300***	150***

*Requires proof.

**Includes coffee break and refreshments

***Two consecutive workshops, including all refreshments and lunch



Venue

*Starling Hotel***** and Conference Center*

34, Route François-Peyrot
1218 Geneva
Tel: +41 (0) 22 747 02 02
Fax: +41 (0) 22 747 03 03

Geneva offers a large choice in hotel accommodations. From 4* to affordable 2* low cost accommodation for students throughout the city.

Public transportation to and from the conference center to and from the city; 20 minutes from Geneva City Center and 5 minutes from Geneva Airport Railway Station. Most Geneva hotel include free usage of public transportation service.

Kuoni Travel Ltd. is the official travel agent for the MSB 2012 Congress and will be offering special reduced rates for accommodation.

Booking

In order to benefit from the special rates, please use the registration button at the website.

We strongly advise all participants to reserve their hotel accommodation as soon as possible. Kuoni Travel Ltd. will not be able to guarantee rooms after December 12th, 2011. A deposit of 1 night per reserved room is required to secure your hotel reservation. Rooms will be assigned on a "first come, first served" basis. Each participant will receive an individual confirmation, indicating the name and address of the hotel. The booking will be final upon receipt of the corresponding payment.

For block bookings (10 rooms and up) companies are requested to send their request by fax or e-mail. Different payment and cancellation policies will apply.

We recommend that all participants take out a personal travel and health insurance for their trip.

Cancellation policy

IMPORTANT: a deposit covering the first night of your stay is required.

Please indicate the participant's name and "MSB 2012" on ALL payments. All cancellations and modifications must be sent to Kuoni Travel Ltd. Geneva in writing (fax, letter or email).

Deadlines

Paper online submission starts April 1

The technical program committee invites submission of original, unpublished, clear, accurate, and relevant papers in any field of the topics area. Both oral and poster presentations are welcome at this time. Keydates for submission:

Abstracts for inclusion in the oral program	September 30, 2011
Notification of acceptance	October 31, 2011
Submission of posters for inclusion in the conference book	December 1, 2011
Late contributions (not included in the conference book)	December 31, 2011

Information

All subsequent information about the conference will only be delivered via Internet or by E-mail. In order to make sure that you (continue to) receive information about the MSB2012 symposium; fill out the contact form available on our website (<http://www.msb2012.org>). Alternatively you can contact the symposium at info@msb2012.org.

Committees

Symposium chairs

Franka Kalman, Vevey, Switzerland
Gerard Rozing, Waldbronn, Germany
Jean-Luc Veuthey, Geneva, Switzerland

Permanent Scientific Committee

Jeff Chapman, Beckman Coulter Inc., USA
Steven Cohen, Waters Inc., USA
Franta Foret, Institute of Analytical Chemistry, Brno, Czech Republic
Andras Guttman, Northeastern University, Boston, USA
Stellan Hjerten, Uppsala University, SWE
Franka Kalman, Merck-Serono, Switzerland
Barry L. Karger, Northeastern University, USA
Robert Kennedy, University of Michigan, USA
Andreas Manz, Korean Institute of Science and Technology, Germany
J. Michael Ramsey, University of North Carolina, USA
Gerard Rozing, Agilent Technologies, Waldbronn, Germany
Frantisek Svec, Lawrence Berkeley National Laboratory, USA
Edward S-Yeung, Iowa State University, USA
Hanfa Zou, Dalian Institute of Chemical Physics, China

Local Program Advisory Board

Ruedi Aebbersold, ETH Zürich, Switzerland
Marc Augsburger, Switzerland
Fritz Erni, Novartis, Basel, Switzerland
Hubert Girault, Ecole Polytechnique Federale de Lausanne, Switzerland
Denis Hochstrasser, University of Geneva, Switzerland
Steffen Kiesig, Basel, Switzerland
Julie Schappler, University of Geneva, Switzerland
Wolfgang Thormann, University Bern, Switzerland
Jean-Luc Veuthey, University of Geneva, Switzerland
Jean-Luc Wolfender, University of Geneva, Switzerland

Local Organizing Committee

Steeve Girod, Geneva, Switzerland
Franka Kalman, Vevey, Switzerland
Steffen Kiessig, Basel, Switzerland
Gerard Rozing, Waldbronn, Germany
Serge Rudaz, Geneva, Switzerland
Jean-Luc Veuthey, Geneva, Switzerland
Julie Schappler, Geneva, Switzerland

