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MSB 2017 is all about ....

## EMERGING TRENDS IN MICROSCALE SEPARATIONS AND BIOANALYSIS AND THEIR IMPACT ON SCIENCE AND SOCIETY

At MSB 2017 scientists from around the world will gather:

- to discuss the latest research and innovations in microscale separations technologies;
- to learn about new bioanalytical methods, emerging trends and best practices;
- to find how biopharma industry strategies are evolving to meet today's analytical challenges;
- to gather the latest information on technical, methodological developments and equipment;
- to network to find new collaborators and solutions to practical issues;

**CHECK OUT THE UNIQUE FEATURES OF THE MSB FORMAT AT MSB2017.ORG**

- find out about the attractive [concept](#) of the MSB series with ample opportunities for contributions by young scientists;
- see the [plenary lecturers](#), the [topic sessions and their keynote speakers](#);
- augment the value of your attendance by own contribution(s) to the sessions and/or participation in the extensive time available for discussion in the session orals;
- check the affordable registration fees, including lunches, dinners, and excursion.

**ONLY 10 DAYS LEFT TO SUBMIT AN ABSTRACT FOR AN ORAL PRESENTATION  
DEADLINE: DECEMBER 10.**

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

### Confirmed Plenary Lectures:

- **Vaccine development and bioanalysis: an industry perspective.**  
Jerome Custers (Janssen Vaccines & Prevention B.V.)
- **Developing microscale separation technology for a million peaks.**  
Peter Schoenmakers (University of Amsterdam)
- **Microfluidics in Biotherapeutic Development: Enhancing Throughput and Allowing for Heightened Characterization.**  
Nathan Lacher (Pfizer Inc)
- **New and hybrid peptide fragmentation methods (ETHcD and UVPD) and their applications in proteomics.**  
Albert Heck, (Utrecht University)
- **Microfabricated technologies for accomplishing liquid phase separations and mass spectrometry.**  
J. Michael Ramsey (University of North Carolina at Chapel Hill)



**Confirmed Keynote Lectures** (more details [here](#)):

- **CE-MS and Advanced MS Detection Techniques**  
Harald Mischak (University of Glasgow)  
*CE-MS as a Robust Routine Tool in Clinical Diagnosis.*
- **Proteomics, Metabolomics and Biomarker Discovery**  
Philip Britz-McKibbin (McMaster University)  
*Robust CE-MS Methods for Metabolomics: Achieving Greater Throughput, Lower Costs and Better Data Comparability.*
- **Microfluidic separations & Lab-on-a-Chip**  
Detlev Belder (University of Leipzig)  
*One- and two-dimensional chip-HPLC coupled to MS.*
- **Microcolumn technology & separation media**  
Monika Dittmann (Agilent Technologies)  
*Impact of Column Diameter and Flow Rate on Sensitivity and Resolution in LC-UV and LC-MS separations*
- **(Bio)Pharma-meets-microscale-separations - 1**  
Marta Germano (Janssen Vaccines & Prevention)  
*Why analytical science is ever more needed to develop biopharmaceuticals in the 21st century*
- **(Bio)Pharma-meets-microscale-separations - 2**  
Mark Eggink (Synthon N.V.)  
*Where industry meets academia in biopharma.*
- **Glycomics, Intact Protein Analysis & Biopolymer Analysis**  
Yehia Mechrev (Texas Tech University)  
*Characterizing Glycan and Glycopeptide Isomers derived from Biological Systems by LC-MS/MS.*
- **Multidimensional Separations and Lipidomics**  
Thorsten Teutenberg (Institut für Energie- und Umwelttechnik e. V. Duisburg)  
*Microscale online comprehensive two-dimensional liquid chromatography – some second thoughts on speed, efficiency and selectivity*
- **Young Scientists**  
Jurre Kamphorst, (Beatson Cancer Research Institute)  
*Pushing the Boundaries of Lipid Research*
- **Microscale Sample Preparation Techniques**  
Stig Pedersen-Bjergaard, (University of Oslo)  
*Microextraction through supported liquid membranes - Tuning the extraction chemistry for different biomedical and pharmaceutical applications*
- **Electrodriven Separations**  
Stephen Weber (University of Pittsburg)  
*Some thoughts on electrodriven separations: Fields, friction, fluids, and free energy*
- **Clinical Diagnostics, Forensics, Doping & Toxicological Analysis**  
Arian van Asten (University of Amsterdam)  
*Paper Spray and Extraction Spray Mass Spectrometry for on-site Forensic Analysis*
- **Advanced Detection Strategies**  
Speaker and title t.b.a.
- **Bioactivity, Affinity & Interaction Analyses**  
Speaker and title t.b.a.



KEY DATES	
December 10, 2016	DEADLINE SUBMISSION FOR ORAL PRESENTATION
February 17, 2017	Deadline for Early Bird Registration at lowest fees
February 26, 2017	Deadline Abstract Submission for Poster Presentations
March 26, 2017	Symposium starts

Frequently check our [website](#) for latest news, subscribe to our newsletter to stay informed or enquire directly with the organizers of the symposium [here](#).

We are looking forward to hosting a memorable symposium and welcoming you in The Netherlands next spring!

### Symposium Chairs

**Govert W. Somsen**

**Rawi Ramautar**

**Legal Notice:** The 33rd International Symposium on Microscale Separations and Bioanalysis (MSB2017) is organized by the SBS 2005 Foundation (Reg. Nr. KvK 30206474) with permission and support of the Strategic Program Committee of the MSB Symposium Series.

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