

SEPARATIONS IN THE BIOSCIENCES (SBS '05)

Utrecht, The Netherlands, 18–21 September 2005

The 4th International Symposium on Separations in the BioSciences (SBS'05) will focus on new developments in:

- (bio)analysis of drugs and metabolites
- analysis of biopolymers
- proteomics, pharmacogenomics, metabolomics
- analysis of biomarkers
- clinical and toxicological analysis
- instrumentation
- multidimensional separation systems
- high-throughput analysis, screening and profiling

The exchange of ideas, interests and experiences between scientists from industries, universities and governmental institutions is one of the main goals of the Symposium. In connection to the Symposium a number of workshops will be organised on 18 September. Topics include: biomarkers; proteomics; high-throughput analysis and screening; multidimensional separations; chiral separations; affinity-based separations.

Provisional list of keynote speakers with topics:

- R. Bischoff*, Activity-based profiling of soluble and membrane-bound metallo-proteases
J.H. Beijnen, Bioanalysis of novel anticancer drugs in a hospital pharmacy setting
K.-S. Boos, Control of matrix effects on bioanalytical MS by means of on-line multidimensional SPE
J. Crommen, Enantioselective determination of pharmaceutical compounds in biofluids by coupling SPE to non-aqueous CE with charged cyclodextrins as chiral additives
V. Davankov, Polymeric sorbents in blood detoxification
J. van der Greef, Metabolomics as crucial methodology in systems biology
H. Irth, Novel approaches to the trace level analysis of proteins in biological samples using affinity-based LC-MS methodologies
R. Kaliszán, pH gradient HPLC: does analytical practice match elegant theory?
V. Kasicka, Separation and physicochemical characterization of biopeptides by capillary electrophoresis
W. Lindner, Selective arginine and guanidine group tagging in peptide/protein analysis using MS technologies
F. Tagliaro, Forensic science and separation science: has this marriage a future?
K. Unger, Profiling of peptides from biofluids by multidimensional LC/MS: concepts, methodology and applications
I.W. Wainer, The application of immobilized P-glycoprotein and organic cation transporter columns for the on-line characterization of lead drug candidates

In addition a limited number of oral presentation is scheduled. The oral sessions will be thematically organised. No parallel sessions will be held. The symposium language will be English. There will be ample time for poster presentation and discussion.

For further details contact: Ms Miranda Motshagen, FBU Conference Office, Utrecht University, PO Box 80.125, 3508 TC Utrecht, The Netherlands.

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