

► Separations on a microscale

Salzburg is the venue for HPCE 2004.

The 17th International Symposium on Microscale Separations and Capillary Electrophoresis (HPCE 2004) will be held February 8–12, 2004, in Salzburg, Austria. The HPCE Symposium series is the premier meeting for microscale separation methods of biological relevance. HPCE provides a forum for novel miniaturized approaches in separation, detection, and sample preparation for the life sciences, bridging cutting-edge technology with current biological and biomedical applications. Attendees from industry, government, and academia are invited to participate in the technical program, which will include keynote lectures, oral presentations in parallel tracks, and poster sessions. An international exhibition by commercial vendors, short courses, and workshops on special topics of interest will complete a week of exchanges of ideas and information. For more information on any aspect of the meeting, visit the HPCE 2004 website at www.hpce2004.at.

Technical program

The full program schedule, including lecture and poster titles, is available on the HPCE 2004 website. There will be four poster sessions, with all posters on display for at least two days.

The technical program of HPCE 2004 will focus on all aspects of separation methodologies and solutions to analytical problems implementing microscale techniques. Topics include theory and methodologies; detection schemes, including labeling strategies; LC/CE-MS, NMR, IR hyphenation; chip and nanotechnology; novel stationary phases and column design; and affinity and screening strategies. A final set of topics will cover application areas related to pharmaceutical and life sciences; chemical biology; proteomics, genomics, and metabonomics; biotechnology; diagnostics; medicinal and clinical chemistry; food chemistry; environmental, occupational, and forensic

chemistry; and the (fine) chemical industry and pharmaceutical industry.

Short courses

The short courses will be held on Sunday, February 8. The Multi-Dimensional Pressure Driven and Electrically Driven Liquid Separation Methods in Proteome Analysis



short course/workshop will survey current instrumental equipment used in proteome analysis, with emphasis on multi-dimensional LC separation technology.

The Hyphenation of Microseparations with MS Instrumentation course will cover various fundamental and practical aspects of the coupling of microseparation techniques with MS detection. Emphasis will be given to representative quantitative and qualitative examples using various separation techniques.

Capillary Electrophoresis: Method Development and Validation in Context to Industrial Application will be broken into two sessions. The morning session will introduce CE and the routine applications for analyzing small molecules. Background theory and the fundamentals of CE will be covered, followed by an overview of the

instrumentation, applications, and aspects of method development.

The afternoon session will focus on the fundamentals and parameters of using CE to analyze biological therapeutics. Applications in the analysis of protein therapeutics, including examples from procedures used in the biotech industry, will be discussed, covering critical parameters for developing, validating, and transferring the CE methods to a routine lot release laboratory.

Exhibit

A comprehensive international technical exhibition of instrumentation, equipment, services, and literature, accompanied by vendor seminars, will be an integral part of HPCE 2004. The exhibit will be open from Monday, February 9, through Wednesday, February 11. On Tuesday evening, a social for all participants will be held in the exhibition and poster presentation area, with snacks and drinks being served.

Green Chemistry Awards nominations

The U.S. Environmental Protection Agency is now accepting nominations for the 2004 Presidential Green Chemistry Challenge Awards. These awards recognize innovative chemical technologies that incorporate green chemistry into chemical design, manufacture, and use. Nominated technologies should reduce or eliminate the use or generation of hazardous substances from a chemical product or process. A nominated technology must have reached a significant milestone within the past five years in the United States. Nominations must be postmarked by December 31 to be eligible for the 2004 awards, which will be presented at the National Academy of Sciences in Washington, DC, on June 28, 2004. For more information, visit www.epa.gov/greenchemistry.