



## ISPPP-2003 International Symposium on the Separation of Proteins, Peptides, and Polynucleotides

*November 9–12, 2003 in Delray Beach, Florida, USA*

This conference series has been a leader in driving the scientific aspects of separation science and analysis of biochemical molecules, most notably proteins, peptides, and polynucleotides. In addition, mass spectrometry, as an adjunct to chromatographic and electrophoretic methods, has been discussed in the context of biochemical analysis.

Lectures on late-breaking research, extensive discussions, workshops and seminars outlining new applications and methodology, have recently focused on:

- Proteomics
- High-Throughput Screening and Combinatorial Techniques
- Mass Spectrometry of Biopolymers
- Multidimensional Techniques
- HPLC Column Technology
- Strategies for Gene Analysis
- Protein Functional Analysis
- Miniaturization
- Informatics aspects of separation science

Particular emphasis is placed on high speed, comprehensive, and ground breaking aspects of separation science as applied to classes of biochemical analyses and the consequences of these analyses.

### **Preliminary List of Invited Speakers**

Norm Dovichi, University of Washington, USA, “Single Cell Protein Fingerprinting”

John Dzenitis, Lawrence Livermore National Laboratory, USA, “The Autonomous Pathogen Detection System (APDS) Against Biological Terrorism”

Jack Henion, Advion BioSciences, USA, “Chip-Based Nano-electrospray Mass Spectrometry Analytical Studies in Proteomics”

Sophia Hober, Royal Institute of Technology, Sweden, “Stabilization of Protein Ligands Towards Alkaline Conditions”

Friedrich Lottspeich, Max-Planck-Institute of Biochemistry, Germany, “Proteomics Separation – Mission Impossible?”

Fred Regnier, Purdue University, USA, “The Proteomics of Oxidative Stress”

Frantisek Svec, University of California at Berkeley, USA, “Complex Devices for Concentration, Separation, and Digestion of Proteins”

Jochen Urthaler, Boehringer Ingelheim, Austria, “Industrial-Scale Purification of Plasmids for Biopharmaceutical Applications”

### **Workshops**

Separation Technologies for Proteomics – Instructor: Rainer Bischoff, University of Groningen, The Netherlands

Electrically Driven Separation of Biomolecules and Application in Metabolomics – Instructors: Gerard Rozing, Agilent Technologies, Germany, and Tomoyoshi Soga, Keio University, Japan

Preparative HPLC of Biomolecules – Instructor: Alois Jungbauer, University of Agricultural Science, Austria

Bioseparation Mass Spectrometry – Instructor: Guenter Allmaier, Vienna University of Technology, Austria

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