PREP 2009 Symposium Update

22nd International Symposium, Exhibit and Workshops on Preparative/Process Chromatography
Loews Philadelphia Hotel, July 19 – 22, 2009
http://www.PREPSYMPOSIUM.org

- See the full Scientific Program and the Program-at-a-Glance, posted at prepsymposium.org.
- Solve today’s practical problems and prepare for the future of prep chromatography.
- Find current solutions to practical chromatographic separations.
- Optimize chromatography processes for the best economic production.
- Discuss current and future challenges and opportunities for manufactures as well as media and equipment suppliers.
- Get close-up views of the latest products and technologies that are driving the pace of innovation in prep chromatography.
- Interact with world leading scientists and engineers in all aspects of preparative and process liquid chromatography.

Sponsors
Centocor, Genentech, MedImmune, Varian, Wyeth

Meeting Objectives
A meeting at the forefront of separation science, engineering, and technology bringing together scientists from industry and academia with equipment and media manufacturers to present and discuss the latest advances in preparative and process chromatography, to gain an exposure to the latest chromatography products available on the market, and to access training and continuing education in a broad range of applications in this continuously growing area.

Strong Applications Oriented Workshop Program
- Workshop 1 – Preparative Chromatography for Small Molecules
- Workshop 2 – Preparative Chromatography for Biomolecules

Two all-day workshop programs will provide essential training to arrive at practical solutions to today’s chromatography problems and a critical foundation to address future developments.

Free Vendor Workshops — presented by Asahi Kasei TechniKrom, BIA Separations, Bio-Rad Laboratories, Chiral Technologies, LEWA pumps & systems, MIP Technologies, Novasep, Pall Life Sciences, PIC Solution, and Tarpon Biosystems.

Vendor Exhibit Providing Access to the Latest Advances on the Market
The vendor exhibit will take place on Sunday through Tuesday and will provide ample opportunities for the symposium participants to interact with vendors and become acquainted with the latest developments in stationary phases, columns, pumps, control equipment, chromatography consumables, ancillary units, and contract manufacturing services from the analytical/lab scale all the way to the full process scale. Many of the vendors are also offering free workshops.

Preliminary List of Exhibitors
Rich Scientific Program Addressing Advances in All Fields of Applications
The oral and keynote scientific sessions will be held from Monday through Wednesday with stimulating poster sessions and best poster competition on Monday and Tuesday. The program addresses a broad range of scientific and technological issues and advances related to the preparative purification of biomolecules, especially monoclonal antibodies, plasmids, and virus, of peptides, as well as of a broad range of small molecules, particularly chiral compounds.

Broad Range of Industrial Case Studies
The program includes many industrial case study sessions bringing examples of not only solutions to industrial chromatography processes, but also of the challenges and opportunities that lie ahead for stationary phase and equipment manufacturers and for industrial users.

Focused Technical Sessions
The program features technical sessions that address specific topics important to discovery, development and production including analysis and method development, small-scale (less than 1 g) and intermediate-scale prep (1 g to 1 kg), and large-scale prep (more than 1 kg).

Active Research Year for Academia and Industry
Other sessions in the oral program will address product quality and productivity by chromatographic process design, innovations in the theory, design and operation of simulated moving bed chromatography. Advances in modeling will be discussed with emphasis on the design of robust preparative purification processes in a biopharmaceutical manufacturing environment. Applications to the separation of biomolecules, advances in process modeling and optimization, new and improved stationary phases for chiral resolution and biomolecule separations will also be discussed. Finally, novel experimental methods to study adsorption and transport in the stationary phase as well as flow characteristics in packed columns will be present.

Broad Range of Practical Applications for Continuous Chromatography
The development of new and improved modes of operations of continuous and simulated moving bed chromatography will receive considerable coverage including fractionation and feed-back steps effective in improving productivity; two-and three-column SMB schemes as useful approaches to reduce process and equipment complexity; a multicolrum, solvent gradient continuous chromatography process with great potential for the purification of monoclonal antibodies from crude cell culture broths as an alternative to Protein A-based methods; and scale-down and miniaturization of SMB equipment as a tool for process development and lab testing.

New Perspective on Improved Stationary Phases for Small and Large Molecules
The program will address novel stationary phases on molecularly imprinted polymers for chiral resolution, novel monoliths, membranes, and fibrous stationary phases for virus and polynucleotides separations, and polymer-modified and mixed-mode media for protein chromatography; advances in experimental methods including a new refractive-index base microscopy method to measure protein adsorption kinetics; confocal laser scanning microscopy to study protein adsorption in new silica-based adsorbents; and X-ray computed tomography to characterize column packing and flow distribution.

Poster Sessions to Get into Deeper Discussions & Best Poster Competition
Poster presentations are a vitally important component of the symposia series. In order to acknowledge their contribution to the high standards and in-depth communications amongst practitioners, awards will be offered to the best posters at PREP 2009. The poster sessions will cover a broad range of topics in preparative/process chromatography with applications to both small molecules and biomolecules. Since the posters are available over a two-day period, there will be ample time for extensive discussions with the poster presenters. The final date to submit an abstract for poster presentation is June 1st. Please submit the abstract through the web site at prepsymposium.org, and be sure to receive an email to confirm the abstract was successfully submitted.
Meeting with a World Wide Attendance
The PREP Symposium is of international character with papers presented by participants from around the world. Thus, participants are not only exposed to the latest US advances, but also obtain a broader global perspective on advances and opportunities in preparative/process chromatography.

Looking Forward
There is no doubt that chromatography will continue to play a critical role in chemical and biochemical manufacturing from the gram scale to the multiple ton scale, and we are confident that the PREP Symposium will continue to be the premier arena for the presentation and discussion of the latest development in the preparative separation science and technology community.

Register by May 18 to receive a discount on the meeting registration fee.

Make Your Hotel Reservation soon while there are discounted rooms available.

www.PREPsymposium.org