



## ***December Update***

PREP 2012 is where scientists, engineers, and suppliers of media, equipment, and technology from around the world come to focus on the cutting-edge areas of preparative and process chromatography, to learn how to solve today's practical problems, and to prepare for the future. The 25<sup>th</sup> anniversary Symposium will provide opportunities to present and discuss the latest scientific and technological advances in the field with applications to the production of fine chemicals, chiral molecules, active pharmaceutical ingredients, peptides, proteins, monoclonal antibodies, plasmids, vaccines, VLP's and other biopharmaceuticals.

***Mark your calendar, follow us on LinkedIn and [www.PREPsymposium.org](http://www.PREPsymposium.org), watch your email for program updates, and send us your suggestions.***

***In this update find:***

- ***Preliminary List of PREP 2012 Corporate Sponsors***
- ***Academic Travel Award Program***
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- ***Keynote Sessions***
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### ***PREP 2012 Corporate Sponsors***

Corporate sponsorship of the PREP Symposium series has been critical to its continued success. Corporate sponsors provide funding to support critically important functions that facilitate interactions among the symposium participants, to recognize the very best contributions to our scientific Poster Program, and to support faculty and graduate student participants from academic institutions.

We are extremely pleased to announce that the following companies have pledged or already given very generous financial support to PREP 2012:



We are very grateful for their generosity and hope that other companies will join them in supporting PREP 2012. Several sponsorship opportunities are available – please, contact the Organizing Committee or the Symposium Manager (see contacts below).

## **Academic Travel Program**

Thanks to the generosity of our corporate sponsors, PREP 2012 will be able to provide limited travel funds to participants from academic institutions who will be authors or co-authors of an accepted oral or poster paper. Priority for funding will be given to young faculty (in the first five years of their first academic appointment) and graduate students, since we believe the future of this critical field depends highly on being able to train and motivate young scientists.

## **Training Workshop Program**

Registration for the Sunday Training Workshops is open to meeting and non-meeting participants. Early registration is recommended and encouraged as each workshop enrollment is limited to 30 participants. Certificates of completion will be provided. Register online at [www.PREPsymposium.org/register.html](http://www.PREPsymposium.org/register.html).

### **Workshop 1: Sunday, July 15, 9:00am - 12:15pm**

#### **Preparative Chromatography for Biopharmaceuticals**

*Lecturers: Giorgio Carta, University of Virginia*

*Alan K. Hunter, MedImmune*

*Alois Jungbauer, BOKU, Vienna*

**Topics:** Adsorption equilibrium and transport in single and multicomponent systems; Stationary phases for small and large biomolecules; Design and optimization for capture and resolution steps.

### **Workshop 2: Sunday, July 15, 9:00am – 12:15pm**

#### **Preparative Chromatography for Intermediates and APIs**

*Lecturers: Olivier Dapremont, Ampac Fine Chemicals*

*Kathleen Mihlbachler, New Jersey Institute of Technology*

*Larry Miller, Amgen*

**Topics:** Prep HPLC batch - Theory, optimization and practice; SMB - Principle and technology; SMB - Examples and applications; SFC - Theory, equipment and examples

### **Workshop 3: Sunday, July 15, 1:30pm – 4:30pm**

#### **Bringing Pharmaceuticals and Biomolecules to Market (and keeping them there)**

*Lecturers: Lois Ann Beaver, LAB Enterprises*

*Joan Newburger, Johnson & Johnson Consumer Products Worldwide*

**Topics:** Regulatory aspects, QbD, Process Analytical Technology, Quality System Management, Biosimilars, Marketing

Detailed descriptions of the Sunday Workshops can be found on the [PREPsymposium.org](http://PREPsymposium.org) website.

## **Vendor Exhibits and Workshops**

The Exhibit will provide access to the latest advances in media, equipment, and services. The program is structured to ensure ample opportunities to meet commercial suppliers who will feature state-of-the-art instrumentation, equipment, stationary phases, columns, etc. in the closely integrated lecture and poster/trade display areas within the facility. Exhibitors will also have the opportunity to present sponsored vendor workshops that are free to registered Symposium participants.

## **Keynote Sessions**

In addition to general sessions, PREP 2012 will feature several keynote technical sessions addressing critical and emerging areas in preparative chromatography. The following tentative keynote sessions have been planned:

### **Industrial Case Studies in Protein Chromatography**

Session Organizer: Giorgio Carta, University of Virginia

### **Industrial Case Studies in Continuous Chromatography**

Session Organizer: Olivier Dapremont, AMPAC Fine Chemicals

### **Preparative Supercritical Fluid Chromatography**

Session Organizer: Georges Guiochon, Univ. of Tennessee

### **Small and Medium Scale Prep for Pharmaceutical Product Development**

Session Organizer: Chris Welch, Merck & Co., Inc.

### **Large Scale Chromatography Columns and Systems**

Session Organizer: Igor Quinones-Garcia, Shire

## Venue and Travel

PREP 2012 will take place at the Hyatt Regency Cambridge, located at 575 Memorial Drive, Cambridge, MA 02139-4896 (Phone 617-492-1234, Fax 617-491-6906, <http://cambridge.hyatt.com>) offering magnificent views of the Charles River and Downtown Boston. MIT, Harvard University, and Boston University are within walking distance. The hotel provides a complimentary shuttle service to select destinations within Cambridge, and will take guests from Harvard Square to the Cambridge side Galleria Mall. For guests who would like to get into the city of Boston via public transportation, the shuttle will stop at Kendall Square T Stop (Red Line) or the Boston University T-Stop (Green Line). Boston Logan International Airport provides easy connections from most US and major international cities. The Hyatt Regency Cambridge can be conveniently reached via Taxi or subway. Please visit the [www.PREPSymposium.org](http://www.PREPSymposium.org) web site for further information and for a summary of many exciting things to do in Boston and surrounding area.

## Call for Papers

The Symposium will provide opportunities to present and discuss the latest scientific and technological advances in the field, an exposure to the most recent chromatography products and technologies on the market, and training and continuing education leading to the ability to optimize processes and minimize costs in the production of fine chemicals, chiral molecules, active pharmaceutical ingredients, peptides, proteins, monoclonal antibodies, plasmids, vaccines, VLP's, and other biopharmaceuticals. To submit abstracts for oral or poster presentation, please see details posted at [www.PREPSymposium.org](http://www.PREPSymposium.org).

## Topics include

- Preparative HPLC
- Supercritical Fluid Chromatography
- Countercurrent chromatography
- Simulated moving bed chromatography
- Monoliths and membrane chromatography
- Protein chromatography
- Monoclonal antibodies
- VLPs
- Chiral molecules
- Fine chemicals
- Active pharmaceutical ingredients
- Peptides
- Plasmids
- Vaccines
- Amino acids
- Sugars
- New and improved stationary phases
- Modeling and optimization
- Fundamentals

## Key Dates

Feb. 1, 2012      General abstract deadline  
April 2, 2012    Deadline for late-breaking posters  
April 2012      Preliminary Program posted  
June 15, 2012    Final deadline for poster abstracts  
July 15-18, 2012 PREP 2012, Boston

## Contact

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## Organizing Committee

Giorgio Carta, University of Virginia (Chair)  
Lois Ann Beaver, LAB Enterprises  
Olivier Dapremont, Ampac Fine Chemicals  
Georges Guiochon, University of Tennessee  
Igor Quinones-Garcia, Shire  
Christopher Welch, Merck & Co., Inc.

## Industrial Advisory Committee

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Scott Watson, Ampac Fine Chemicals  
Gary Yanik, PDR-Chemical  
Alla Zilberman, Semba Biosciences

## Scientific Advisory Committee

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Ranga Godavarti, Pfizer  
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