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Waltham, Massachusetts, USA



Featuring a tour of the Genzyme Facility in Allston Landing, MA, USA

Purification of Biological Products

September 24-26, 2007

Optimizing Recovery and Purity While Minimizing Cost

Please join us as we discuss the methods that have been most successful, and explore the techniques that could provide the processing solutions needed for the next generation of products.

This meeting will feature case histories from the industry's top downstream processing scientists and engineers. We will cover key aspects of the clarification and purification steps needed for a wide range of biological products including antibodies, recombinant proteins, viruses, and plasmids.

Sponsored By:



Topics:

- Platform Development Templates
- Process Optimization
- Chromatography Media Selection
- Sensor and Process Automation Technology
- Clarification Techniques
- Ultrafiltration and Diafiltration Methods
- Viral Clearance
- Aggregate, DNA, and Protein Removal

- Endotoxin and Leachate Removal
- Protein-A and Alternative Capture Methods
- New in-process testing methods

Applications:

- Antibodies
- Recombinant Proteins
- Viral Vaccines
- Viral Gene Vectors
- Plasmids

Conference Co-Chairman

Pete Gagnon

Validated Biosystems





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SUNDAY, SEPTEMBER 23, 2007

4:00-6:00 pm **Registration and Welcome Reception**

MONDAY, SEPTEMBER 24, 2007

7:00-8:00 am **Registration, Continental Breakfast - Meeting Room Foyer**

8:00-8:30 am **Introduction**

Keith L. Carson - Wilbio

Peter Gagnon - Validated Biosystems - Co-Chairmen

8:30-9:15 am **Evaluation of Precipitants for Contaminant Reduction in Clarified Cell Culture Broth Containing a Monoclonal Antibody**

Judy Glynn - Pfizer, Inc.

9:15-10:00 am **Evicting Hitchhiker Antigens that Stowaway on your Antibodies: A Case Study on the Elimination of Antigen Contaminants During Antibody Purification**

Missag Parseghian, Ph.D. - Peregrine Pharmaceuticals

10:00-10:30 am **Break - Exhibit Area**

10:30-11:15 am **Effects of Feed pH and Ionic Conditions on Anion Exchange Membrane Purification: Optimization of Virus and Impurity Clearance During the Production of a Fusion Protein**

Philippe de Vilmorin - Biogen Idec, Inc.

(co-author, Jonathan Romero, Ph.D. - Biogen Idec, Inc.)

11:15-Noon **Characterization of Downstream Processing Steps Used in the Purification of a Monoclonal Antibody**

Nihal Tugcu, Ph.D. - Merck & Co., Inc.

Noon-1:30 pm **Lunch and Poster Session - Exhibit Area**

1:30-2:15 pm **Raw Material Risk Mitigation Strategies for Monoclonal Antibody Purification Process - Case Study**

Polly Mak - Genentech, Inc.

2:15-3:00 pm **Application of QbD Principles Throughout the Development of Operating Conditions for Cation Exchange Purification of a Monoclonal Antibody**

Jonathan Lawrence - Eli Lilly & Company

3:00-3:30 pm **Break - Exhibit Area**

3:30-4:15 pm **Strategies for Purification of Human Polyclonal Antibodies from Transgenic Bovine Plasma**

Jin-an Jiao, Ph.D. - Hematech, Inc.

4:15-5:00 pm **A Universal Downstream Processing Strategy for Therapeutic Proteins Using His-Tags and Tag Removal**

José Arnau, Ph.D. - UNIZYME Laboratories AS

5:00-5:45 pm **Influence of Resin-Buffer-Antibody Product Interactions the Development of an Optimal CEX Purification Process for Specific Monoclonal Antibody Products**

Michael DiLeo - Dyax Corporation

6:00-7:30 pm **Reception - Exhibit Area**



TUESDAY, SEPTEMBER 25, 2007

- 7:30-8:30 am **American Breakfast - Exhibit Area**
- 8:30-9:15 am **Influenza Vaccine Purification Platform**
Elisabeth Maurer - Green Hills Biotechnology AG
- 9:15-10:00 am **Host Cell Protein Clearance in Biopharmaceutical Downstream Processes**
Canping Jiang, Ph.D. - Bristol-Myers Squibb
- 10:00-10:30 am **Break - Exhibit Area**
- 10:30-11:15 am **Large-Scale Purification - Techniques and Trends**
Andrew Baird - Fluor Daniel
- 11:15-Noon **The Purification of Biomolecules Using Tunable Affinity Ligands**
Les Beadling - Rational Affinity Devices, LLC
- Noon-1:30 pm **Lunch and Poster Session - Exhibit Area**
- 2:30-5:00 pm **Genzyme Facility Tour in Allston Landing**
- 5:00-9:00 pm **Happy Hour on your own in Harvard Square**

WEDNESDAY, SEPTEMBER 26, 2007

- 8:00-9:00 am **Breakfast - Exhibit Area**
- 9:00-10:00 am **Technical Workshops I**
- 10:00-10:30 am **Break - Exhibit Area**
- 10:30-Noon **Technical Workshops II**
- Noon-1:30 pm **Lunch and Poster Session - Exhibit Area**
- 1:30-2:15 pm **Challenges in Downstream Processing: A Newcomer's Perspective**
Ned Watson, Ph.D. - SAFC Biosciences
- 2:15-3:00 pm **Optimization of a Ceramic Hydroxyapatite-Based Polishing Step**
Norbert Schuelke, Ph.D. - Millennium Pharmaceuticals, Inc.
- 3:00-3:30 pm **Break - Exhibit Area**
- 3:30-4:15 pm **Recent Advances in Purification of IgM**
Peter Gagnon - Validated Biosystems