



sartorius stedim
biotech

European Downstream Technology Forum September 7–8, 2010

Sartorius College, Goettingen, Germany



turning science into solutions

Invitation

While upstream productivity has increased in line with demand, downstream processing is facing a technology crisis. Production bottlenecks are shifting costs downstream and improvements in purification technology are urgently required to meet the challenges of increasing demands, without sacrificing product quality.

In this context the interface between up- and downstream processing, but also the contaminant removal steps later in the process, gain more and more importance. Process integration, disposable concepts and new purification technologies such as membrane chromatography can significantly improve the productivity and efficiency of downstream processes.

Sartorius Stedim Biotech has developed a technology portfolio which is organized along the value chain of integrated bioseparation processes. Purification Technologies provides solutions for cell removal | clarification, ultrafiltration, membrane chromatography as well as virus clearance applications.

Based upon a series of successful meetings since 2004 we cordially invite you to our European Downstream Technology Forum on September, 7-8, 2010, in Goettingen, Germany.

This congress will bring you face to face with experts from industry and academia to exchange ideas about state-of-the-art downstream processing. Individuals from R&D, process development, manufacturing, process engineering and quality assurance are welcome to learn from key lecturers, case studies and technology updates, as well as from discussions during numerous networking opportunities.

Agenda

Chairs

Dr Uwe Gottschalk, Dr Laura Chirica

Purification Technologies, Sartorius Stedim Biotech GmbH, Germany

Tuesday, September 7, 2010

9:30
Registration & Coffee

10:00
Welcome & Introduction

Reinhard Vogt, Executive Member of the Board, Sartorius Stedim Biotech, Germany

10:30
Keynote Presentation 1

From High Dilution to High Titters – 35 Years of Antibody Manufacturing
Dr Wolfgang Berthold, Chief Technology Officer and Senior Vice President Technical Development, Biogen Idec, Switzerland

11:10
Keynote Presentation 2

Overcoming the Challenges in Advancing Manufacturing of Biosimilars
Swapnil Ballal, Head of Biopharma Bulk Manufacturing, Intas Biopharmaceuticals Ltd., India

11:50
Coffee Break

12:20
Lecture 1

Challenges Within a CMO Purification Process – A Case Study of Crossflow Micro- and Ultrafiltration
Dr Alexander Caliebe, Head of Production I, Richter Helm, Germany

12:50
Lecture 2

Screening TFF Filters for Downstream Purification of Pharmaceuticals
Jodee M. Lewis, Technology Engineer III, Pfizer Vaccines, Pfizer Sanford, USA

13:20
Lunch Break & Exhibition

14:45
Lecture 3

Antibody Purification from Transgenic Tobacco
Dr Martin Lobedann, Process expert, Bayer Technology Services GmbH, BTS-PT-PD-CD, Germany

15:15
Lecture 4

Developing Purification Unit Operations for High Titre Monoclonal Antibody Processes
Lee Allen, PhD, Senior Group Leader, Purification Development, Lonza Biologics plc, Lonza, Slough, UK

15:45
Coffee Break

16:15
Lecture 5

How to Apply Old Techniques to New Processes
David Delvaille, BPS Project coordinator MerckSerono Biodevelopment, MerckSerono, France

16:45
Technology Update

Innovative Technologies for Downstream Purification
Sartorius Stedim Biotech
Amelie Raveneau, Application Specialist Sartorius Stedim Biotech, South Europe
Peter Schmidt, Application Specialist, Sartorius Stedim Biotech, Central Europe

17:25
Q&A

17:45
Closing of day 1

19:00
Transfer to Networking Dinner

Agenda

Wednesday, September 8, 2010

9:00
Lecture 6

Implementation of a Membrane Chromatography Back-up Step for HCP Removal Purpose
François Champluvier, Scientist Industrialisation, GSK Bio, Belgium

9:30
Lecture 7

Strategies for Maximizing Clearance of Impurities across AEX in the Context of an Integrated Process
Amitava Kundu, PhD, Associate Director PD, Genmab, USA

10:00
Lecture 8

Disposable Membrane Chromatography in Recombinant Protein Purification Processes: Challenges & Practices
Kevin Peeters, Process Engineer, Purification Technology – Manufacturing Science, Genzyme Flanders, Belgium

10:30
Coffee Break

10:45
Lecture 9

Examination of Flow in UVivatec Instrument by Smoothed Particle Hydrodynamic Simulation
Joseph Bertolini, PhD, R&D Manager, CSL Biotherapies, CSL Bioplasma, Australia

11:15
Lecture 10

Applying Disposable Technologies to Biopharmaceutical Manufacturing
Aidan Collins, MS&T Representative Manufacturing, Science & Technology, Eli Lilly S.A., Ireland

11:45
Coffee Break

12:00
Lecture 11

Implementation of Disposables in a Platform Process: Implications for Viral Clearance and QbD
Pascal Valax, Group Manager – Biotech Process Development, Downstream Processing, Merck Serono, Switzerland

12:30
Lecture 12

Enhancing Viral Clearance Performance: Lessons from Data Mining and Improving Virus Purification
Joseph Hughes, PhD, Vice President of Biologics Testing Services, WuXi AppTec Inc., USA

13:00
Q&A

13:20
Closing Remarks

13:30
Lunch Break & Plant Tours

15:00
End of Forum

We look forward to welcoming you in Goettingen, Germany.

Conference address
Sartorius College
Otto Brenner Str. 20
37079 Goettingen, Germany
Phone +49.551.308.2101

Networking dinner
Restaurant "Graf Isang"
Seestrasse 37
37136 Seeburg, Germany
Phone +49.5507.919880

We encourage you to forward this invitation to interested colleagues.



Sartorius College, Goettingen

Venue

Sartorius College
Otto-Brenner-Strasse 20
37079 Goettingen, Germany
www.sartorius.com
Phone +49.551.308.2101

Directions

On motorway A7 (Hannover-Kassel) take the exit for Goettingen Nord (72). Take first exit for Industriegebiet, take first exit in roundabout. Then at the next light, take a left. The College will appear on the left-hand side.

Transportation

The nearest airport is Hannover, about 1½ hours by train or car to Goettingen. The train station is 10 min from the College by taxi.

Your contacts

For Germany, Austria, Switzerland and the Netherlands:

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Registration

The conference fee is:
– €295 + 19% VAT
– €100 + 19% VAT for academia.
This includes the networking dinner on September 7, 2010.

We advise you that photographs will be taken at the event which may be published later. In case you do not consent to such publication, we ask you to inform us.

Accommodation

We have arranged discounted rates for accommodation in the following hotels in Goettingen:

***Hotel Rennschuh

Rate €40 p.P.
www.rennschuh.de
Phone +49.551.900.90

****InterCityHotel Goettingen

Rate €59 p.P.
www.intercityhotel.com
Phone +49.551.5211.0

****NH Hotel

Rate: €69 p.P.
www.nh-hotels.de
Phone +49.211.7811100

Further hotel information:
www.sartorius-stedim.com/
downstream

Shuttle Service

We arrange a shuttle service from the Sartorius College to the hotels above and vice versa. You will find detailed information in your conference information and at the hotel receptions.

To register, please either
– register on the Web:
www.sartorius-stedim.com/downstream
– call or e-mail listed contacts

