

Tuesday 2nd July 2013

Understanding Process Benefits from CP in Bioproduction – Chairman. Dr. Suzanne Farid

- 8.00 Opportunities and Challenges for the Implementation of Continuous Processes to Biomanufacturing
Dr. Sadettin Ozturk, Senior Director, Massbiologics, USA
- 8.20 Continuous cell culture process. Learning of the past and benefits for the future
Dr. Christel Fenge, Sartorius Stedim Biotech, Germany
- 8.40 Continuous processing as the next step in process intensification and process interaction in mammalian cell culture. experiences from the highly intensified XD cell culture technology coupled to the integrated clarification and purification of robust EBA technology
Dr. Gerben Zijlstra, Senior Scientist, DSM Biologics, Netherlands
- 9.00 Rapid process development using microbioreactor technology
Dr. Ingrid Lange, Cobra biologics, Sweden
- 9.20 A practical and structured approach to the implementation of PAT with real time control and knowledge management
Martin Gatsby, Optimal Ltd. UK
- 9.40 Integration of cell line and process development to shorten time lines for high productivity using CHO BC
Dr. Louis Boon, CSO, Bioceros, The Netherlands
- 10.00 Evaluating the economic and operational feasibility of continuous process for monoclonal antibodies.
Dr. Suzanne Farid, Reader, Biochemical Engineering, UCL, UK
- 10.40 Refreshments and networking

Approaches to and benefits from CP in Downstream Activities – Chairman Dr. William Whitford

- 11.00 Automated single-use centrifugation solution for diverse biomanufacturing process
Dr. Sunil Mehta, Vice President Operations, kSep Systems, USA

- 11.20 Optimization of continuous downstream process in biopharmaceutical manufacturing
Professor Seongkyu Yoon, UMASS Lowell, USA
- 11.40 Next generation downstream template for continuous mAB processing
Dr. Christopher Gillespie, EDM Millipore, USA
- 12.00 Advances in continuous chromatography for purification of biomolecules
Dr. Thomas Muller-Spaeth, ETH Zurich, Switzerland
- 12.20 Countercurrent chromatography. perspectives in biopharmaceutical purifications
Dr. Cristina Minguillon, University of Barcelona, Spain
- 13.00 LUNCH
- 14.00 Protein separation and purification by expanded bed adsorption and SMB technology
Professor. Alirio Rodrigues, University of Porto, Portugal
- 14.20 Continuous purity. How BioSMB enables a fully disposable continuous biomanufacturing process
Dr. Marc Bisschops, Scientific Director, Tarponbiosystems Inc, Netherlands
- 14.40 Continuous processing by acoustic perfusion
ir. Timo Keijzer Production Manager Applikon The Netherlands
- 15.00 Disposable chromatography technology as a core tool to continuous processing.
Dr. James Rusche, srVP, Research and Development Repligen Corporation USA
- 15.20 CONCLUSION

Contact

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**WORLD BIOPHARM FORUM
2013**

**Continuous
Processing in
Biopharmaceutical
Manufacturing**

**Robinson College, Cambridge, UK
July 1-2, 2013**

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To reserve your place please complete the registration form in BLOCK LETTERS and **post** it with full remittance to: Dr. G. Subramanian, 44 Oaken Grove, Maidenhead, Berkshire, SL6 6HH or, **email** to gsub@subramanian.org.uk or **apply online** at www.subramanian.org.uk.

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Cancellation

Should you be unable to attend, a substitute delegate is welcomed at no extra charge.

12.15 Registration

12.35 Welcome by G. Subramanian

CP Approaches and Applications in Upstream Bioprocessing – Chairman. Dr. Brian Lee

12.40 Overview of continuous processing in the pharmaceutical industry with a primary focus on continuous processes

Dr. Stuart Porter, Ashland Research Center, USA

13.00 Towards a fully continuous production line for monoclonal Antibodies

Dr. Andrea Vester, Bayer Technologies, Germany

13.20 Small scale long term perfusion cell culture for mass antibody production

Dr. David Sergeant, Ipratech sa, Belgium

13.40 Challenges and solutions for continuous cultivation and anchorage depended cells using micro carriers in single-use bioreactors

Dr. Brian Lee, President, PBSbiotech, USA

14.00 Single-use systems support continuous processing in bioproduction

William Whitford, ThermoFisher Scientific, USA

14.20 Continuous production of bacteriophages

Dr. Ales Podgornik, BIA Separations, Slovenia

Perfusion as a CP in Bioproduction Chairman. Dr. Nico Oosterhuis

14.40 Scaling up flow reactor

Dr Robert Ashe, MD AMTechnology, UK.

15.00 Enhancement of specific productivity using ATF cell separation system

Dr. Matt Caple, Scientific Director, Gallus Biopharmaceuticals, USA

16.20 Impact of high cell density perfusion cell culture process on alternating tangential flow (ATF) performance- A case study

Dr. Patrick Sheehy, Associate Director JNJ Biologics, Ireland

15.40 Refreshment and networking

16.00 Perfusion process design in a 2-D rocking single-use bioreactor

Dr. Nico Oosterhuis, CTO, Cellutionbiotech, Netherlands

16.20 Perfusion based production of sub-unit protein vaccines using Drosophila S2 insect cells
Dr, Wian de Jongh, Expreess2ionbiotech, Denmark

Understanding Entity Benefits from CP in Bioproduction – Chairman. John-Bonham Carter

16.40 Materials and technologies for continuous flow chemical synthesis

Dr. Matthew O'Brien, Department of Chemistry, University of Keele, UK

17.00 Improved glycosylation in perfusion cultures of recombinant CHO cells

Dr Dhinakar Kompala, University of Colorado, USA

17.20 Correction of out-of specification drug glycosylation during continuous processing

Dr. Daryl Fernandes, CEO, Ludgers, UK

17.40 Understanding the role and modelling the outcome of upstream continuous processing in a flexible facility of the future

John Bonham Carter, Vice President, Business Development, Refintech, USA

18.00 The Review of Flexible Production Platforms of the Future

Dr Maik Jornitz, Vice President Business Development, G-Con LLC, USA

18.20 Very high Cell density in Perfusion of CHO cells. - Impact of Cell density and applications
Dr. Veronique Chotteau, KTH, The Royal Institute of Technology, Sweden

18.40 Surpassing Productivity Limitations of Traditional mAb Manufacture – A Continuous Processing Case Study

Dr. Mark Brower, Merck, USA

20.00 GALA DINNER

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