

# **CMC Biologics Highlights Technical Acumen at Upcoming Conferences**

Copenhagen, Denmark and Seattle, WA – April 16, 2012 – CMC Biologics is leading contract manufacturing organization (CMO) known and respected for its technical excellence in <u>process development and cGMP manufacture</u> of the most complex molecules (blood factors, coagulation factors, growth factors), as well as monoclonal antibodies. CMC Biologics achievements are based on comprehensive analytical and characterization capabilities, expertise in continuous perfusion systems and single-use (disposable) technologies, and always in full compliance with the most current regulatory requirements and expectations.

"CMC Biologics is continually innovating to advance biopharmaceutical manufacturing to the next level. Our expertise in cGMP process development and manufacturing puts our clients' projects to an optimal position to succeed," said Gustavo Mahler, Chief Operations Officer for the company. "The opportunity to showcase our knowledge at several upcoming symposia helps to drive improvements in bioprocessing and also keeps us current on industry trends and technologies that are critical to our success."

Highlighting its industry leadership position and technical expertise, CMC Biologics will present and exhibit at the following upcoming biopharmaceutical and biomanufacturing conferences.

#### Parenteral Drug Association (PDA) Annual Meeting 2012, Phoenix, AZ

Presentation Date and Time: Tuesday, April 17, 2012 at 2:15 p.m.

Title: Key Elements in Successful Outsourcing

Presenter: Morten Munk, Vice President Business Development, Technology Specialist

Presentation Date and Time: Tuesday, April 17, 2012 at 7:30 a.m.

Title: Quality and Regulatory Job Market Outlook 2012

Presenter: Morten Munk, Vice President Business Development, Technology Specialist

**CMC Biologics is exhibiting at Booth 314.** Stop by to learn about our comprehensive Analytical Formulation and Stability standalone services offering.

### Single Use Systems Workshop, Phoenix, AZ

Presentation Date and Time: Wednesday, April 18, 2012 at 1:30 p.m.

Title: Introduction to the Single-Use Technical Report which is used as a PDA Guideline for Implementation of Single-Use Equipment in Bio-Processing

Presenter: Morten Munk, Vice President Business Development, Technology Specialist, and Co-Chair, Program Planning Committee

Presentation Date and Time: Wednesday April 18, 2012 at 1:30 p.m.

Title: Design, Construction, Start-up and Operation of a Single-Use Clinical cGMP

Manufacturing Facility

Presenter: Andy Walker, Vice President Process Development

Engineering Conference International, Cell Culture Engineering XIII, Scottsdale, AZ

Presentation Dates: April 22 – 27, 2012

Poster Title: Implementation of 3L Disposable Reactors for Use as a Direct Scale-Up for

cGMP Manufacturing

Poster Presenter: Howard Clark, Director Development Upstream Process Development

### 2012 Thermo Scientific BioProcessing Technology Seminar Series, Bellevue WA

Presentation Date: May 10, 2012, Bellevue, WA

Join us for the kick-off event of a multi-city discussion on the latest trends in Cell Culture and Bioprocessing, followed by a CMC Biologics manufacturing facility tour and special reception. Leading industry experts in biomanufacturing will bring you advancements in cell culture media, single-use technology, and bioprocess manufacturing best practices. See the complete schedule for the full seminar schedule.

Presenter: Gustavo Mahler, Chief Operations Officer

### R3 Nordic Society of Cleanroom Technology, Copenhagen, Denmark

Presentation Dates: May 14 – 15, 2012

Abstract Title: Advantages of Single Use Bioreactors vs. Conventional Steel Bioreactors

Presenter: Ronni Glenn Refstrup Hansen, Manager Cell Culture Manufacturing

60th American Society for Mass Spectrometry (ASMS) Conference on Mass Spectrometry and Allied Topics, Vancouver, BC, Canada

Presentation Dates: May 20 – 24, 2012

Poster Title: Protein Therapeutics: Structural Characterization, A simple strategy to perform

parallel mAb disulfide bond assignment and polypeptide sequence confirmation

Presenter: Xian Huang, Senior Development Scientist, Analytical and Formulation Development

## 2012 American Association of Pharmaceutical Scientists (AAPS) National Biotechnology Conference, San Diego, CA

Exhibition Dates: May 21 - 22, 2012

CMC Biologics will be exhibiting at Booth P504. Stop by to learn about our comprehensive Analytical Formulation and Stability standalone services offering.

#### IBC Life Sciences Single Use Applications Conference, San Francisco, CA

Presentation Date and Time: Monday, June 4, 2012 at 11:25 a.m.

Title: What is the Progress towards Harmonization of Standards and Best Practice for E&L? How Should/Does the Industry Qualify, Test, Validate, Engineer and Set Standards for Single-Use Applications?

Presenter: Morten Munk, Vice President Business Development, Technology Specialist

Presentation Date and Time: Monday, June 5, 2012 at 3:00 p.m.

Case Study: Scale-Up Into and Implementation of a 2000 Liter Single-Use Bioreactor in an Existing cGMP Facility – Lessons Learned

Presenter: Andy Walker, Vice President Process Development

2012 Biotechnology Industry Organization (BIO) International Annual Convention, Boston, MA

Exhibition Dates: June 18 – 21, 2012

**CMC Biologics will be exhibiting at Booth 664 in the Bioprocessing Zone**. Stop by to say lean about us and enjoy special Seattle and Copenhagen coffee, food and wines throughout the exhibit.

For questions or additional details, please contact Stacie Byars, Senior Manager Global Marketing, at sbyars@cmcbio.com.

### **About CMC Biologics**

CMC Biologics is a leading contract development and manufacturing organization that provides fully integrated biopharmaceutical development and manufacturing solutions to clients around the world, from its facilities in Europe and the USA. The company has proven expertise in delivering custom solutions for the scale-up and cGMP manufacture of protein-based therapeutics for pre-clinical, clinical trials and in-market production. The company's wide range of integrated services includes cell line development, bioprocess development, formulation and comprehensive analytical testing. Clients can also benefit from CMC Biologics' proprietary CHEF1® expression system for mammalian production. CMC Biologics has fully segregated microbial fermentation and mammalian cell culture suites and offers both fed-batch and perfusion production processes. CMC Biologics is located in Copenhagen, Denmark, and Seattle, Washington. Visit <a href="www.cmcbio.com">www.cmcbio.com</a> to learn more.

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