

## BIOPHARMACEUTICAL SUMMIT

How to overcome hurdles and challenges, and drive innovation in biopharmaceutical manufacturing and development.

When: March 9, 2012

Where: Univ. of Massachusetts Lowell, ICC (Inn and Conference Center, Lowell MA)

Registration: email [bpqc@uml.edu](mailto:bpqc@uml.edu); fee: \$200; due: Feb 17, 2012

Host: Biopharmaceutical Process and Quality Consortium (BPQC) – UMass Lowell and Tufts; and Mass BioManufacturing Center (MBMC) of UMass Lowell

Sponsors: Massachusetts Life Science Center, TBA

### AGENDA

7:00 - 8:10 AM	<b>REGISTRATION and BREAKFAST</b>
8:10 - 8:20 AM	<b>WELCOME AND INTRODUCTION</b> Dr. Julie Chen, Vice-Provost of Research, UMass Lowell
8:20 - 9:40 AM	Session Chair: Dr. Jack Prior, Sr. Director of BioProcess Engineering, Genzyme  <b>PLENARY PRESENTATIONS 1 &amp; 2</b> <b>Challenges and Innovations in Biopharmaceuticals</b> Dr. Jorg Thommes, VP of Global Engineering, Biogen Idec (8:20 – 9:00 AM) <i>"Title: to be determined"</i>  Dr. William E. Bentley, Robert E. Fischell Distinguished Professor and Chair, Fischell Department of Bioengineering of the University of Maryland, College Park (9:00 – 9:40 AM) <i>"Translating Academic Research into Companies - Chesapeake PERL Reflections"</i>
9:40 – 9:50 AM	<b>BREAK</b>
9:50 - 12:10 PM	<b>INVITED PRESENTATIONS</b> <b>Experiences in Biopharmaceutical Manufacturing and Development</b> Dr. Rajesh Beri, Dir of MSTD, Lonza Biologics, (09:50 – 10:15 AM) <i>"Title: to be determined"</i>  Alex Fotopoulos, Sr. Dir of MS, Momenta Pharm, (10:15 – 10:40 AM) <i>"Title: to be determined"</i>  Dr. Cenk Undey, Dir of Process Development, Amgen (10:40 – 11:05 AM) <i>"Title: to be determined"</i>  Dr. Bert Frohlich, Dir of Bioengineering at Shire (11:05 – 11:30 AM) <i>"Title: to be determined"</i>  <b>PANEL DISCUSSION (11:30 – 12:10 PM)</b> Panelists: Dr. Thommes, Dr. Bentley, Dr. Beri, Mr. Fotopoulos, Dr. Undey, Dr. Frohlich and Mr. Steininger (Acceleron), Dr. Zhou (Genzyme)
12:10 – 1:30 PM	<b>NETWORKING LUNCH</b>  <b>CONSORTIUM INTRODUCTION</b> Biopharmaceutical Process and Quality Consortium (12:10 – 12:40 PM) Dr. Carl Lawton, Dir of Mass Biomanufacturing Center (5 min each) Dr. Jin Xu, Co-Director of MBMC Dr. Seongkyu Yoon, Co-Dir of MMBC Dr. Hyunmin Yi, Tufts University Dr. Sanjeev Manohar, Dir of Biomedical and Biotechnology Program of

	<p>UMass UMass Dartmouth</p> <p><b>PLENARY PRESENTATION 3</b> <b>Challenges and Innovations in biopharmaceutical</b> Bob Steining, Head of Mfg/Ops Acceleron Pharmaceutical (12:40 – 01:20 PM) “Title: to be determined”</p>
1:30 – 3:00 PM	<p>Afternoon Session Chair: TBD</p> <p><b>PLENARY PRESENTATION 4</b> <b>Challenges and Innovations in Biopharmaceuticals</b> Dr. Michael J. Betenbaugh, Professor of Chemical and Biomolecular Engineering of Johns Hopkins University (1:30 - 2:10 PM) “CHOmics, Genomics of CHO cells”</p> <p><b>INVITED PRESENTATIONS</b> <b>Innovation and Technology for Biopharmaceuticals</b> Tom Fletcher, Dir of Cell Culture R&amp;D Irvine Scientific, (2:10 - 2:35 PM) “Developing better culture media for producing proteins in fed-batch CHO culture processes”</p> <p>Mark Plavsic, PhD, Sr. Director and Global Microbiological, Viral and TSE Advisor at Genzyme (2:35 – 3:00 PM) “Contamination control in Biopharmaceutical”</p>
3:00 – 3:10 PM	BREAK
3:10 – 5:00 PM	<p><b>INVITED PRESENTATIONS</b> <b>Innovation and Technology for Biopharmaceuticals</b> Brian Lee, PhD, President and CEO of PBS Biotech, (3:10 – 3:35 PM) “A Novel Pneumatic Single-Use Bioreactor System for Flexible and Scalable Biomanufacturing”</p> <p>Dr. Magdalena Leszczyniecka, CEO, STC BIOLOGICS (3:35 - 4:00 AM) “Challenges in Biosimilar Development and Manufacturing”</p> <p>Rahul Godawat and Tim Johnson, PhD, Process Development, Genzyme (4:00 - 4:25 PM) “Platform Biopharmaceutical Process”</p> <p><b>PANEL DISCUSSION (4:25 – 5:05 PM)</b> Panelists: Dr. Betenbaugh, Mr. Fletcher, Dr. Plavsic, Dr. Lee, Dr. Leszczyniecka, Dr. Godawat, Dr. Johnson, Dr. Makowiecki (Xcellerex)</p>
5:05 – 5:10 PM	<b>CLOSING REMARKS</b>
5:10 – 7:00 PM	<p><b>RECEPTION AND NETWORKING POSTER SESSION</b> 20-30 posters will be prepared</p>

Questions: [bpgc@uml.edu](mailto:bpgc@uml.edu), or Seongkyu Yoon ([Seongkyu\\_yoon@uml.edu](mailto:Seongkyu_yoon@uml.edu); 978-934-4741)

**Program and Steering Committee:**

Seongkyu Yoon (UML), Carl Lawton (UML), Jin Xu (UML), Kevin Bittort (Vertex Pharmaceutical), Mark Trusheim (Co BioConsulting), Hyunmin Yi (Tufts), Sanjeev Manohar (UML), KerryLee Andken (UML CVIP), Renae Lias Claffey (UML), Linda Concino (UML), Julie Chen (UML), Louise Griffin (UML Advancement)