

USP Biologics Workshop; 4th Annual Workshop on Bio therapeutics and Peptides
February 05-06, 2018; Hyderabad; India

Day 1 – February 05, 2018 - Heparin and Protein

<u>09:00 AM - 10:10 AM</u>	Plenary Session
<u>09:00 AM - 09:25 AM</u>	Strategy Refresh for USP Biologics <i>Ranjan Chakrabarti, Ph.D., VP & Head, Global Bio Lab & Standards - USP, India</i>
<u>09:25 AM - 09:50 AM</u>	Trends and Changing Landscape for Biotherapeutics <i>TBD</i>
<u>09:50 AM - 10:10 AM</u>	Panel Discussion and Q&A
<u>10:10 AM - 01:00 PM</u>	Session 1 – Manufacturing Control and Analytical Characterization
<u>10:10 AM - 10:35 AM</u>	Analytical Characterization of Enoxaparin <i>Dama Venugopala Rao, Ph.D., Dr Reddy's Laboratories Ltd</i>
<u>10:35 AM - 11:00 AM</u>	Best Practices for Viral Clearance during Monoclonal Antibody Manufacturing Process <i>Ralf Klein, Ph.D., Virusure, Germany</i>
<u>11:00 AM - 11:20 AM</u>	Morning Tea Break
<u>11:20 AM - 11:45 AM</u>	Manufacturing Control and Analytical Characterization of Heparin sodium <i>Shu Zhou, Shenzhen Hepalink, China</i>
<u>11:45 AM - 12:10 PM</u>	Analytical Characterization of Monoclonal Antibodies - by Mass Spectrometry <i>Utpal Tattu, Ph.D., Indian Institute of Science, India</i>
<u>12:10 PM - 12:35 PM</u>	Challenges of Glycan Characterization in Glycoproteins <i>Chris Jones, Ph.D., Member: General Chapters Biological Analysis - USP, United Kingdom</i>
<u>12:35 PM - 01:00 PM</u>	Panel Discussion and Q&A
<u>01:00 PM - 02:00 PM</u>	Lunch
<u>02:00 PM - 03:40 PM</u>	Session 2 – Regulatory and Life Cycle Management
<u>02:00 PM - 02:25 PM</u>	Current Regulatory Expectations for Therapeutic Monoclonal Antibodies in Europe <i>Detlef Bartel, Ph.D., Paul-Ehrlich Inst, Germany</i>
<u>02:25 PM - 02:50 PM</u>	Setting of Test Specification for Biological Products <i>Dhananjay Patankar, Ph.D., Syngene International, India</i>
<u>02:50 PM - 03:15 PM</u>	Regulatory Pathway for MAb's in ROW <i>Parisa Asvadi, Ph.D., Aurobindo Pharma, India</i>
<u>03:15 PM - 03:40 PM</u>	Panel Discussion and Q&A
<u>03:40 PM - 04:00 PM</u>	Afternoon Tea Break
<u>04:00 PM - 04:30 PM</u>	Session 3 – Novel Technology
<u>04:00 PM - 04:15 PM</u>	CE in the Biopharmaceutical Industry from Cell Line Screening to Characterization and QC <i>Jim Thorne, Ph.D., SCIEX, United Kingdom.</i>
<u>04:15 PM - 04:30 PM</u>	Platform method development for Innovator and Biosimilar Therapeutic proteins using cIEF and CE-SDS on Maurice <i>Annegret Boge, Ph.D., Biotechniques</i>
<u>04:30 PM - 04:35 PM</u>	Closing Remarks & Adjourn

Day 2 – February 06, 2018 - Insulin and Therapeutic Peptides

<u>09:00 AM - 10:10 AM</u>	Session 1 – Plenary Session
<u>09:00 AM - 09:25 AM</u>	Regulatory Considerations on Control Strategies for Therapeutic Peptide <i>USFDA Speaker (TBC)</i>
<u>09:25 AM - 09:50 AM</u>	Characterization of Insulin and its analogues <i>Amarnath Chatterjee, Ph.D., Stelis Biopharma, India</i>
<u>09:50 AM - 10:10 AM</u>	Panel Discussion and Q&A
<u>10:10 AM - 12:30 PM</u>	Session 2 – Manufacturing Control and Analytical Characterization
<u>10:10 AM - 10:35 AM</u>	Process development and characterization of Peptides to establish control strategies <i>Suzanne M. D'Addio, Ph.D., Merck, USA</i>
<u>10:35 AM - 11:00 AM</u>	Impurity profiling for Peptide drugs <i>Gopal Vaidyanathan, Ph.D., Natco Research Center, India</i>
<u>11:00 AM - 11:20 AM</u>	Morning Tea Break
<u>11:20 AM - 11:45 AM</u>	Designing of bioactive peptides containing thioamide: The fast, efficient, and inexpensive peptide synthesis <i>Jayanta Chatterjee, Ph.D., Indian Institute of Science, India</i>
<u>11:45 AM - 12:10 PM</u>	Identity, Content and purity of Therapeutic Peptide by NMR <i>Edwin Kellenbach, Ph.D., Aspen, Netherlands</i>
<u>12:10 PM - 12:30 PM</u>	Panel Discussion and Q&A
<u>12:30 PM - 01:30 PM</u>	Lunch
<u>01:30 PM - 03:05 PM</u>	Session 3 – Regulatory and Life Cycle Management of Therapeutic peptides
<u>01:30 PM - 01:55 PM</u>	Peptide ANDA: Regulatory perspective on Comparability studies <i>Michael Verlander, Proactive Quality Compliance, USA</i>
<u>01:55 PM - 02:20 PM</u>	Establish Quality specifications for peptide drugs - A regulatory pharmaceutical approach <i>Rosario LoBrutto, Ph.D., Sandoz, USA</i>
<u>02:20 PM - 02:45 PM</u>	Assessing the impact of functional excipients on peptide formulation attributes <i>Suzanne M. D'Addio, Ph.D., Merck, USA</i>
<u>02:45 PM - 03:05 PM</u>	Panel Discussion and Q&A
<u>03:05 PM - 03:25 PM</u>	Evening Tea Break
<u>03:25 PM - 03:55 PM</u>	Session 4 – Novel Technology
<u>03:25 PM - 03:40 PM</u>	Speaker 1
<u>03:40 PM - 03:55 PM</u>	Tools for Bioseparations using Chromatography-LC and MS <i>Shimadzu</i>
<u>03:55 PM - 04:00 PM</u>	Closing Remarks & Adjourn