

Agenda

Mini-BIOMAN 2017: Upstream Processing- Mab Production in CHO Cells

July 11-13, 2017

Montgomery County Community College, Blue Bell, Pennsylvania

Hosted by: Professor Maggie Bryans, Principal Investigator NBC2

and Professor Linda Rehfuss, Co-Principal Investigator NBC2

Day 1 Tuesday July 11	7:00-8:15 AM	Breakfast at hotel Meet in lobby at 8:15am for transportation to MCCC
	8:30 AM	Welcome and Conference Overview <ul style="list-style-type: none"> • Introductions • Overview of NBC2 — Dr. Maggie Bryans, Principal Investigator NBC2 • Review agenda
	9:00 AM	Lecture: Upstream Processing overview <ul style="list-style-type: none"> • Cell line, API • Growth curves and monitoring • Batch Record and SOPs
	9:30 AM	Hands-on Lab: Inoculation of Spinner Flask
	10:30 AM	Coffee Break
	10:45 AM	Hands-on Lab: Sampling Spinner Flask Day 0 and Day 4 <ul style="list-style-type: none"> • pH, O.D., cell count & cell viability analyses
	12:00 PM	Lunch and Presentation
	12:15 PM	Dennis Gross, Ph.D. Faculty, Jefferson College of Biomedical Sciences, Managing Director The DMG Consultancy, LLC
		<i>The Changing Therapeutic Landscape</i>
	1:00 PM	Lecture: Introduction to Bioreactors <ul style="list-style-type: none"> • Discussion of critical parameters • Identification of bioreactor parts, essential monitoring probes/accessories <p>Hands-on Lab: Media hold Bioreactor, Polarize DO Probe Hands-on Lab: QC Biochem - Glucose and Lactate Assays from Spinner & Bioreactor</p>
	4:30 PM	Adjourn

Day 2 Wednesday July 12	7:00-8:15 AM	Breakfast at hotel Meet in lobby at 8:15am for transportation to MCCC
	8:30 AM	Lecture: Data analysis
	9:00 AM	Hands-on Lab: Sample day 5 spinner flask Inoculate Bioreactor with Day 5 Spinner Flask Culture
	10:00 AM	Coffee Break
	10:15 AM	Hands-on Lab: Culture Sampling: Bioreactor Day 0 Hands-on Lab: Culture Sampling: Bioreactor Day 5 <ul style="list-style-type: none"> • pH, O.D., cell count & cell viability Analyses
	12:00 PM	Lunch and bus to GSK site
	1:00 PM	Presentation Dr.Pinar Cicalese, Product Owner, Mepolizumab GMS Biopharmaceuticals, GlaxoSmithKline
		<i>Monoclonal Antibody Manufacturing – What Does it Take to Bring Medicine to Patients</i>
	2:00 PM	Industry Tour: GSK Mab Production Facility in Upper Merion, PA
	4:30 PM	Return to hotel

Day 3 Thursday July 13	7:00-8:00 AM	Breakfast at hotel Meet in lobby at 8:15am for transportation to MCCC
	8:30 AM	Lecture: Bioreactor Harvest
	9:00 AM	Hands-on lab Harvest Bioreactor Day 6 <ul style="list-style-type: none"> • Centrifuge, filter, tangential flow filtration to concentrate • CIP
	10:15 AM	Coffee Break Data Analysis Survey
	12:00 PM	Lunch Break
	1:30 PM	Lecture: ELISA Detection and Quantification of Mab API Hands-on Lab: ELISA for Mab Detection
	4:00 PM	Adjourn