

Draft Agenda

Mini-BIOMAN 2019:

mAb Production: Low Tech and High Tech Approaches

July 27, 28, 29, 2021

Montgomery County Community College, Blue Bell, Pennsylvania

Hosted by: Dr. Maggie Bryans, Principal Investigator NBC2,
Hetal Doshi and Robin Zuck

Day 1	8:00-8:45AM	Breakfast at hotel
Tuesday	8:45AM	Meet in lobby and car pool to MCCC
July 27	9:00AM	Welcome and Conference Overview <ul style="list-style-type: none">• Introductions• Overview of NBC2 — Dr. Maggie Bryans, Principal Investigator NBC2• Review agenda
	9:30AM	Lecture: Teaching mAb production overview <ul style="list-style-type: none">• Low Tech Approach• Data analysis
	10:15AM	Break
	10:30AM	Lab: Upstream Processing <ul style="list-style-type: none">• Growth of CHO DP12 cells• Inoculation• Testing• Harvest
	12:30PM	Lunch
	1:15PM	Lecture: Downstream Processing <ul style="list-style-type: none">• Gravity mode capture chromatography• Data analysis
	2:00PM	Lab: Protein A chromatography Protein concentration determination Data analysis/chromatogram
	4:30 PM	Adjourn

Day 2 Wednesday July 28	8:00-8:45AM	Breakfast at hotel Meet in lobby at 8:45am for car pool to MCCC
	9:00AM	Lecture: Upstream Processing Bioreactors
	9:45AM	Break
	10:00AM	Lab: Upstream Processing <ul style="list-style-type: none">• Inoculation• Testing day 0
	12:00PM	Lunch
	12:45PM	Lecture: Downstream Processing, process flow, TFF, chromatography
	1:30PM	Lab: Protein A Chromatography AKTA SDS PAGE
	4:30PM	adjourn

Day 3 Thursday July 29	8:00-8:30AM	Breakfast at hotel
	8:45AM	Meet in lobby for car pool to MCCC
	9:00AM	Lecture: QC Biochemistry 1
	9:30AM	Lab: Glucose and Lactate tests
	11:00AM	Break
	11:15AM	Lab: Western Blot- Transfer demo and blot development
	12:15PM	Lunch Break
	1:00PM	Lecture: QC Biochemistry 2: Review of SDS PAGE results
1:45PM	Lab: Detection of mAb Aggregates by HPLC	
3:00PM	NBC2 Survey	
3:30PM	Adjourn	