

Downstream Processing

v.0.1 Updated: **Tuesday, December 17, 2019**

Summer 2020

MIT Building 32 Room 141

| TIME | Monday | Tuesday | Wednesday | Thursday | Friday |
|-------------|--|---|--|---|---|
| 9:00-9:30 | Introduction - <i>Cooney</i> | | | Virus Clearance in Downstream Process of Cell Culture Based Therapeutics - <i>Leung (9)</i> | Team Design Project - <i>Hamel (15)</i> |
| 9:30-10:30 | Process Design: First Steps - <i>Builder (1)</i> | Chromatography Fundamentals - <i>Cramer (4)</i> | Extraction Case Study - <i>Builder (8)</i> | | |
| 10:30-11:00 | Break | Break | Break | Break | Break |
| 11:00-12:00 | Biochemical Processing: Overview - <i>Cooney (2)</i> | Filtration Fundamentals - <i>Cooney (6)</i> | Team Design Project - <i>Hamel (15)</i> | Process Validation - <i>Godavarti (11)</i> | Team Design Project - <i>Hamel (15)</i> |
| 12:00-12:30 | Team Design Project - <i>Hamel (15)</i> | | | | |
| 12:30-1:00 | Lunch | Lunch | Lunch | Lunch | Course Ends |
| 1:00-2:00 | Team Project | Team Project | Team Project | Team Project | |
| 2:00-3:30 | Cell Separation & Clarification - <i>Cooney (3)</i> | Chromatography Fundamentals - <i>Cramer (4)</i> | Integrated Bioprocessing - <i>Love (7)</i> | Quality by Design - <i>Godavarti (12)</i> | Team Project <i>Break-out Rooms:</i> Team # 1 – 56-162 Team # 2 – 56-167 Team # 3 – 56-169 Team # 4 – 56-180 Team # 5 – 56-191 Team # 6 – 66-148 Team # 7 – 66-154 Team # 8 – 66-156 |
| 3:30-4:00 | Break | Break | Break | Break | |
| 4:00-5:30 | Quality: Beyond Pass or Fail - <i>Baffi (10)</i> | Chromatography - <i>Builder (5)</i> | Bioprocess Design, Simulation & Economics - <i>Cooney (13)</i> | Future of Bioprocessing - <i>Love (14)</i> | |
| 5:30-6:00 | Break | Break | Break | Break | |
| 6:00-8:00 | Course Reception | Free Evening | | Course Dinner | |
| 8:00-9:00 | Free Evening | | | | |