

# Profession Training series: Industrial Bioprocessing Training 2024

Lowell, Massachusetts

## Course Description:

- This course teaches key principles and concepts of industrial bioprocessing of protein, cell/gene, and mRNA therapies. The course covers recent technologies and practices of upstream, downstream, and analytical tools in the bioprocessing industry. In addition, FDA initiatives of PAT (Process Analytical Technology), Quality by Design, and Emerging Technology will be covered. This course is an excellent opportunity for biomanufacturing training and workforce development for both new and veteran workers in bio-tech.

## Instructors:

- Industry professionals from FDA, BMS, Pfizer, MilliporeSigma, UMass Biologics and UMass Lowell.

## Date & Location:

- Date: Monday July 29 - Friday, August 2, 2024, from 8:30 a.m. - 5 p.m
- Location: UMass Lowell North Campus, Lowell, Massachusetts, Pulichino Tong Business Center, #120

### TARGET AUDIENCE:

- Scientist, Senior Research Scientist, Bioprocess Engineer, or equivalent in Pharmaceuticals, Biopharmaceuticals.
- Attendees from academia and regulatory agencies may also benefit depending on their areas of interest and level of experience.

### COURSE OBJECTIVES:

- At the completion of this course, the participant will be able to:
- Understand the recent technologies of upstream, downstream, and analytical tools used in the bioprocessing industry.
- Explore advantages, disadvantages, and various applications in actively emerging cell and gene therapies along with their bioprocessing practices.
- Learn Quality by Design (QBD) in regulatory and big data analytics used in the biopharmaceutical development and manufacturing field.



## Registration:

- Register here [Industrial Bioprocessing Training \(2024, 7/29-8/2, UMass Lowell\)](#)
- For detail course information: <https://www.uml.edu/research/bstc/industrial-bioprocessing-course.aspx>
- Cost of attendance: \$3,490 for Industry; \$2,618 for Advanced Mammalian Biomanufacturing Innovation Center (AMBIC) and National Institute for Pharmaceutical Technology and Education (NIPTE) consortium members; \$1,745 for Academia and Government employees; \$349 for UMass Lowell Students
- For questions please email: [bpqc@uml.edu](mailto:bpqc@uml.edu) or [Maurizio\\_Cattaneo@uml.edu](mailto:Maurizio_Cattaneo@uml.edu).