



Process Development – Cell Culture
Paid Internship (typically 40 hrs / week, 6 months)*

For immediate consideration please email a Word document version of your resume to
meaghan.mcmahon@umassmed.edu

In this role you will be assisting our Cell Culture group to develop chemically defined media (CDM) for cultivating selected CHO Cell Lines for Monoclonal Antibody (MAb) production.

Responsibilities include, but are not limited to:

- Conduct regular laboratory housekeeping duties such as autoclaving glassware, cleaning hoods and incubators, and maintaining inventory of laboratory supplies.
- Assist with preparation of various media being formulated in house to support the growth and high MAb productivity
- Perform culture experiments from shaker, spinner, and small reactors using proper aseptic technique.
- Sample cultures for automated and manual cell counting using proper aseptic technique

You will obtain hands on training with cell culture techniques that are widely used in biopharmaceutical industry, such as:

- Manual and automated Cell Counting
- Determining metabolic profiles using the Nova Bioanalyzer
- Determining Monoclonal Antibody concentrations using the Octet

Eligibility requirements:

- Bachelor's degree in progress or Technical Training certificate or Associate's degree in Biology, Biotechnology, or related discipline. Knowledge in cell culture principles is preferred
- Hands on experience in a biology or chemistry laboratory. Ability to calculate molar solutions, use a micropipette, and to use aseptic technique in a sterile lab environment
- Ability to be responsible for conducting routine laboratory tasks that are critical to successful department operation.
- Excellent written documentation and laboratory organizing skills. Ability to follow oral and written procedures precisely.
- **Resident of one of the following zip codes: 02118, 02119, 02120, 02121, 02122, 02124, 02125, 02130, 02126, 02131, 02136, 02137 (These zip codes cover Dorchester, Roxbury, Jamaica Plain, Hyde Park, Roslindale, and Mattapan, MA)**

***Full time availability is strongly preferred, however it may be possible to accommodate students taking fall classes. Internships are considered temporary positions and do not guarantee any fixed / minimum amount of work hours. Interns are employed on an "as needed" basis.**

MassBiologics, located in Boston, Massachusetts, is the only non-profit FDA-licensed manufacturer of vaccines and biologics in the United States. For over 100 years, MassBiologics has worked to improve public health through applied research, development and production of biologic products, including vaccines and plasma derivatives and most recently, monoclonal antibodies (MAbs). In 1997 the State Legislature transferred MBL from the Massachusetts Department of Public Health to the University of Massachusetts Medical School. MassBiologics' administration works closely with the Medical school in scientific collaborations, technology management and creating partnerships for the development of products.

As an equal opportunity and affirmative action employer, UMMS recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives and backgrounds.