



## Process Development – Protein Purification Paid Internship (typically 40 hrs / week, 6 months)\*

For immediate consideration please email a Word document version of your resume to  
[jessica.sedan@umassmed.edu](mailto:jessica.sedan@umassmed.edu)

### Process Development – Protein Purification Intern

In this role you will be assisting our Process Development group to purify our antibody products. This encompasses protein purification, protein formulation and routine laboratory maintenance. Responsibilities include, but are not limited to:

- Preparing buffers
- Ordering and organizing laboratory supplies; cleaning and autoclaving glassware
- Appropriately documenting all work according to cGMP (current Good Manufacturing Practices) and assisting with the preparation cGMP documents
- Executing experiments to support the development and scale up of antibody purification methods

You will obtain hands on training with protein purification techniques that are widely used in biopharmaceutical industry, such as

- Affinity chromatography (protein A),
- Cation and anion exchange chromatography,
- Filtration,
- Membrane chromatography.
- State-of-art chromatography workstations (eg, duo-flow and Quantasep).

### Eligibility requirements

- Technical Training certificate, Associate's degree, or Bachelor's degree in progress in Biotechnology, Biochemistry, or related discipline. Knowledge in protein purification principles is preferable.
- Hands on experience in a biology or chemistry laboratory. Ability to calculate molar solutions, use a micropipette, maintain a sterile lab environment
- Ability to be responsible for conducting routine inventory and tank level checks that are critical to successful department operation.
- Excellent written documentation and laboratory organizing skills. Ability to follow 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.*