



**Massachusetts  
Biologic  
Laboratories**

**305 South Street.  
Jamaica Plain, MA 02130  
617-983-6208**

**Community Outreach Internship Program**

**Process Development Cell Culture paid Co-op: January – July 2009, full time**

The Massachusetts Biologic Laboratories (MBL) located in Boston, Massachusetts, is the only non-profit FDA-licensed manufacturer of vaccines and biologics in the United States. For over 100 years, MBL 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. MBL 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.

**Job Description**

A motivated and talented intern to assist in the development of chemically defined media (CDM) for cultivating and Mab production of selected CHO cell clones for the Cell Culture group. The intern will assist with the preparation of various media being formulated in-house for developing CDM capable of supporting growth and high productivity of Mab product in selected CHO cell clones. The intern will also be involved in performance of culture experiments from shaker, spinner and small reactors, sampling of culture for analytics such as manual and automated cell counting, determining metabolic profile using the Nova Bioanalyzer 400 and determining Mab productivity titer using the Octet. Finally, the intern will be involved in lab maintenance and keeping supply inventories.

**Eligibility requirements**

- Bachelor's degree in progress in Biology, Chemistry, Engineering, or related discipline, or completion of laboratory training certification program
- Hands on lab experience with molecular biology and biochemistry lab techniques such as cell culture, Western Blot, and ELISA
- Excellent written documentation skills
- **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) School or home address can meet this requirement.**
- Hepatitis B vaccine & bloodborne pathogen training must be demonstrated or undertaken before beginning of co-op.