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Massachusetts Biotechnology Education Foundation



2012 Schedule of Events

Click the links on the right hand side to link to the program description and detail!

Annual BioTeach Job Shadow Day

Thursday, June 7th

The third annual state wide event will open the doors of the Biotechnology Industry to students from BioTeach high schools. The program matches schools with companies and students with employee volunteers for the purpose of expanding student understanding of the nature of biotechnology and awareness of the professional opportunities available within the industry. The program is highlighted by one-on-one or small group mentoring of students by industry professionals, overviews of company mission, product lines, business development and discovery philosophies.

For more information contact Suzanne Grillo
at suzanne.grillo@massbio.org

Postdoc Industry Exploration Job Shadow Program

Friday, April 27th

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Contact Information

Interested in learning
more about volunteering
with MassBioEd
Foundation?
Contact Lisa Henrici
at Lisa.Henrici@massbio.org
or
Suzanne Grillo at
Suzanne.Grillo@massbio.org

The Industry Exploration Program (IEP) was initiated as a partnership between Massachusetts General Hospital (MGH) and MassBioEd Foundation (MBEF). Its goal is to give postdoctoral fellows (postdocs) working at MGH the opportunity to explore careers outside of academia and to understand the kind of skills it takes to transition from academic science to the biotechnology sector.

The pilot phases of the MGH-driven IEP visits were a tremendous success involving over 30 postdocs and five life science companies, including AstraZeneca, Cubist, EMD Serono, Merrimack Pharmaceuticals, and Millennium Pharmaceuticals. The corporate community was highly responsive and eager to participate. We subsequently received positive feedback on the impact to company morale. In addition, the feedback highlighted the following benefits:

- Exchange of ideas fostering scientific collaborations
- Improvement of the company's perception among postdoc scientists
- Establishment of a working relationship with local academic institutes
- Potential employee recruitment possibilities

We invite companies to join us in our efforts to build tomorrow's biotechnology workforce today by hosting approximately five to 10 postdocs in a one-day format providing hands-on exposure to the work environment. Currently MassBioEd and MGH have joined forces to expand the IEP statewide. Planning is under way to reach over 100 postdocs across MGH, Brigham & Women's Hospital, Broad Institute, Boston University, and Massachusetts Institute of Technology by 2012. Suggestions for an IEP visit agenda include:

- An introductory session (company structure, size, and/or mission statement)
- A tour of the facilities
- A panel discussion with company scientists describing their career path, daily work in industry, company culture, etc.
- One-on-one conversations with scientists matched with postdoc interests to discuss science, transition from academia into industry, career paths, etc.
- A panel discussion of careers in industry outside of bench work research

benefits, hiring process etc.

For more information, contact Suzanne Grillo at suzanne.grillo@massbio.org

Biotech Futures: A Career Exploration Event for BioTeach Students

***May 24th and May 30th at
Worcester Polytechnic Institute***

The Biotech Futures programs are designed for students interested in learning more about the biotechnology and life sciences field. The programs provide students with a campus based experience at a collaborating Massachusetts university. The day features exposure to this fast growing industry sector that grapples with many of the most challenging questions facing humankind such as: creating new medicines and treatments for disease, addressing food production; coping with climate change, creating renewable energy opportunities, solving environmental degradation. Students learn about the opportunities and experience the wonder and excitement available in college science programs through tours and hands-on experiments in university laboratory facilities. Through speakers, panel discussions, company presentations, and science demonstrations students are exposed to the immense range and variation of career opportunities within this growing industry.

For more information contact Lisa Henrici at lisa.henrici@massbio.org

BioTeach Professional Development Workshops

BioTeach and Beyond (New Labs)
Saturday, March 10th at Lexington High School

This is a one day program which will assist school faculty interested in learning about seven new teacher developed labs. The program features seven laboratory experiences designed by BioTeach high school science teachers for fellow science teachers. The intent of the program is to expand the teacher's laboratory options and more fully utilize the skills taught and equipment provided by BioTeach. The labs are innovative and engaging, make good use of the school's existing BioTeach equipment.

align with the Massachusetts science frameworks and can be run at little to no additional expense.

**Do It Yourself Biotech Equipment
Building and Using Homemade Biotech
Equipment**

***Saturday, April 7th at Lynn Vocational and Technical
High School***

If a school cannot afford the high costs of biotech equipment, the question is: Why not make it? In this workshop, BioTeach teachers will learn how to make equipment such as an incubator, a hot water bath, a sterilizer, an electrophoresis box and a centrifuge for a fraction of the cost of the professional models. In performing a few simple labs, teachers will also learn about some grocery store substitutes for more inexpensive reagents. Little to no previous building experience is required.

**Biotechnology Curriculum Design Boot Camp
2012**

Saturday, April 28th at Mount Ida College

This will be the fourth time BioTeach will bring together the teachers and curriculum designers of biotechnology and forensic courses for a day long "boot camp" experience. This is an opportunity for teachers to develop new knowledge about the field and to exchange instructional best practices, share resources, and explore emerging industry trends.

For more information contact Lisa Henrici at
lisa.henrici@massbio.org

Seeking Volunteers for DIGITS Middle School STEM program

Six leading Massachusetts science and technology industry associations collaborated on the design of a project to address a common problem - the lack of students in the STEM pipeline.

The DIGITS Project seeks to increase middle school student interest in STEM subjects and careers by partnering STEM professionals - individuals who work in science and technology companies - with sixth grade classes across the state.

One of the keys to the success of the program over the last two years has been the involvement of the science and technology community. Associations representing the information technology, engineering, biotech, medical device and clean energy sectors have been the primary source of volunteers for the project.

We are actively seeking volunteers from your company to participate in the DIGITS Project for the 2011 - 2012 academic year.

For more information on the Digits Project, go to www.digits.us.com to register for the program as soon as possible.

2012 Biotech Learning Center Courses

BioBasics: Biotech for the Non-Scientist, Winter 2012

Thursday & Friday February 9th and 10th Are you a non-scientist working in or with the biotech industry? Do you need to better understand the science & technology driving the industry?

Become more instrumental in your company's success by understanding the science and technology driving the biotech and pharmaceutical industries. Be more strategic in your relationship-building by knowing who the industry players are and how they interact. Learn from credentialed instructors that have the skill and expertise to teach individuals with a wide variety of non-science backgrounds in an engaging environment.

Who Will Benefit:

- Professional from all sectors of the biotech, pharma, and life sciences industries, including: sales, marketing, HR, legal, manufacturing, business development, finance, management, government relations, IT, safety, tech transfer
- Policy makers, lobbyists, attorneys
- Venture capitalists, angel investors, banks, analysts, financial managers
- Insurance brokers, real estate professionals
- Consultants, public relations specialists, journalists
- University administrators, research institute support staff

Course Fee: \$1160 MeadBio Member: \$1210 Non

members

Registration:

<https://secure.massbioed.org/courses/index.php>

NEW Course!!

Investigations & CAPA

Tuesday April 10th

Are you in the Retraining Rut with your error investigations?

Would you like to fix the problem once and for all, so it doesn't happen again?

The biopharmaceutical industry is inherently error-prone. Some industry experts say error investigations cost some \$10,000 each to resolve on average. Depending on the severity, they can cost millions in lost batches, rework, investigations, and most importantly, patient safety.

This course provides the knowledge, skills, and tools to effectively investigate and fix errors for good, and write a clear, concise report that is audit-ready.

Fees: \$1050 for MassBio Members; \$1200 for non-members.

Registration: <https://secure.massbioed.org/courses/index.php>

NEW Course!!

Managing Clinical Trials

Thursday evenings from 5:30-9pm beginning April 26th through May 31st

Instructor: Halloran Consulting Group

Effective management and oversight of outsourced clinical programs is at the top of everyone's mind in this diverse global environment.

Regulatory scrutiny of the relationship has never been keener, and improving skills and knowledge in the role and responsibilities of both project and people management of outsourced clinical projects is critical for success.

Fees: \$1500 for MassBio Members; \$1650 for non-members.

Registration:

<https://secure.massbioed.org/courses/index.php>

NEW Course!!

Drug Development for the Non-Scientist

Friday May 4

Drug Development Primer is a one-day class delivering an overview of the development and regulatory process for

bringing a new drug, either a small or large molecule, to

market. Participants learn about drug discovery/product development as well as preclinical research, regulated clinical trials and post-approval commercial considerations. Fees: \$795 for MassBio Members; \$945 for non-members. Registration:

<https://secure.massbioed.org/courses/index.php>

Contact Julie Deschenes at Julie.Deschenes@massbio.org for more information.