



## JOB ANNOUNCEMENT

### OVERVIEW

BioBuilder's **Apprenticeship Challenge Instructor** co-teaches our 8-week high school program in Cambridge, MA. The program is designed to close the skills gap that students face when they enter a summer internship in industry, start-up or academic life science labs. Our program emphasizes content knowledge, teamwork, and laboratory techniques. We will meet students three days each week from Mid-March to Mid-May. Instruction includes a mixture of lecture, discussion and laboratory work. In 2016, meetings will alternate between LabCentral, Novartis and MIT, and will be co-taught by BioBuilder's Founder, Dr. Natalie Kuldell. The curriculum for our Apprenticeship Challenge is based on the BioBuilder content from our open-access website as well as the material in the BioBuilder textbook published by O'Reilly.

More details about the High School Apprenticeship challenge are available at <http://apprenticeshipchallenge.weebly.com/>

The **Apprenticeship Challenge Instructor** does NOT need to be familiar with synthetic biology or BioBuilder in advance, but must be an energetic, creative and organized individual who is both goal- and detail-oriented. Motivation, enthusiasm, an ability to take constructive criticism and excellent communication skills are essential since these are traits we aim to advance in our high school apprentices. An ideal candidate will have a passion for teaching, a positive history of working with a team, and extensive research experience in a life science laboratory environment.

The **Apprenticeship Challenge Instructor** is a part-time, hourly staff member of our organization, with salary commensurate with experience. We are looking to fill the position immediately.

### About the BioBuilder Educational Foundation

The BioBuilder Educational Foundation is a rapidly growing charitable organization that puts current research into the hands of teachers and students. We empower teachers to be agents of educational reform, equipping them with classroom content and offering professional development opportunities that reconnect them with their love of teaching. Since 2011, when BioBuilder was recognized as a 501c3 public benefit organization, our community of trained teachers has grown from two-dozen teachers in 2012 to more than 400 hundred at the end of 2015.

## About the Job

### Primary Responsibilities

- co-develop and execute BioBuilder's Apprenticeship Challenge instruction
- attend all class meetings
- help prepare laboratory reagents and protocols outside of class meeting times
- research and identify potential summer internship candidates and placements
- co-manage correspondence and reports related to Apprenticeship Challenge
- monitor deadlines and manage submissions
- meet regularly with BioBuilder's Executive Director to assess program, review strategies and track progress
- communicate the mission and ongoing work of the program

This position may entail additional responsibilities not listed.

## Qualifications

An undergraduate degree is required. Graduate and post-doctoral work in a life science or biological engineering research setting is a plus.

Knowledge of the K-12 educational landscape and the current interests of the life science industry is desired.

Ability to work effectively with students and professionally with collaborators is essential.

Excellent verbal and written communication skills are required.

Review of applications is on a rolling basis and will continue until the position is filled.

Please submit a cover letter, resume and prepare to provide names/contact information of three references to the attention of:

Dr. Natalie Kuldell  
[nkuldell@mit.edu](mailto:nkuldell@mit.edu)

Include your name and "Apprenticeship Challenge Instructor" in the subject line of your email.

The BioBuilder Educational Foundation is an equal opportunity workplace.