



Amgen Biotech Experience – Cal Teach Internships

The Amgen Biotech Experience (ABE), at the Lawrence Hall of Science, is an innovative science education program that provides teacher professional development, curriculum materials, and research-grade equipment and supplies to secondary schools. The program features a hands-on molecular biology curriculum designed to introduce students to the excitement of scientific discovery. Each year, through ABE centers worldwide, over 70,000 students and hundreds of science teachers participate in this program and have the opportunity to explore the methods scientists use to create biotechnology medicines. The reach of the program has been extraordinary, with nearly 1,000,000 students to date having experienced the fundamentals of biotechnology across multiple U.S. states, and internationally.

The ABE program at The Lawrence is seeking 2-4 enthusiastic interns to assist in the preparation of the five-day professional development offered to local high school science teachers. In addition to supporting the preparation for the workshop, interns participate in the five-day summer professional development experience while partnered with a local high school teacher workshop participant to learn more about the curriculum and how to teach the curriculum and laboratories in a classroom. The curriculum teaches students the basic laboratory techniques and processes used in the research and development of recombinant products for biomedical use. Laboratory techniques used in the curriculum include plasmid digest and ligation, gel electrophoresis, bacterial transformation, polymerase chain reaction (PCR) and protein purification. Interns may follow up with their partnered teacher to help deliver the curriculum in the Fall or Spring school semester.

Dates

Must attend the ABE professional development workshop on June 10th – June 14th from approximately 8:00am to 4:30pm and be available 2-3 days for training and preparation between June 3rd and June 7th (exact times TBD). Note: Training days will be held at The Lawrence Hall of Science, but the workshop will be held at Berkeley High School.

Successful candidates will:

- Have an interest in STEM and education
- Have a growth mindset and be willing to learn
- Be willing to learn basic scientific and laboratory principles
- Be able to work with and be sensitive to a diverse population
- Be reliable, punctual, and a good communicator
- Be able to work in a noisy, chaotic environment
- Be able to commit to the dates and times of the position
- Be a CalTeach student (preferable but not required)

APPLICATION DEADLINE

The application submission deadline is 5:00 pm on Monday, April 1st. Note that this internship could be combined with other [Lawrence Hall of Science Summer Internships](#) on the CalTeach Website.

HOW TO APPLY

This internship is funded by the Amgen Foundation and pays a stipend of \$18.00 per hour for approximately 60 hours.

Apply Online: bit.ly/CTInternshipApplication