



Training future scientists: education and outreach

Helping build the pipeline of future biomedical researchers is an important facet of Whitehead Institute's mission of forging new frontiers in science. The Institute has an expanding series of initiatives designed to engage middle and high school students (and teachers) in learning about cutting edge biological research. Through the Institute's K-12 programming, students are inspired to pursue their interest in science, technology, engineering, and math (STEM) and explore scientific careers. The Institute believes hands-on scientific programs are crucial for developing critically thinking young adults and cultivating the next generation of scientists.

Outreach and education offerings of the Institute include:

Seminar Series for High School Teachers

This monthly program offers educators the opportunity to explore topics at the forefront of biomedical research. Interested educators are paired with Whitehead partners—Whitehead scientists who serve as a resource during the school year. Partners are eager to answer questions,

discuss their fields of expertise, and even visit schools to meet with students. The series, which attracts 40-50 high school teachers each year, begins in November and lectures are held the first Monday of every month through June.

Spring Lecture Series for High School Students

This program offers students an opportunity to learn about cutting edge topics in biomedical research. The three-day program, held over spring vacation, features lectures from leading scientific experts, hands-on laboratory sessions, visits to local biotech organizations, and opportunities to meet with Whitehead Institute scientists.

Expedition: Bio

Designed as a two week exploration into the amazing biology that thrives in the world around us, this summer science program for rising 7th and 8th grade students provides immersion in hands-on activities taking students both inside and outside the classroom, laboratory experiments, and discussions with scientists, allowing students to learn first-hand how researchers are answering some of biology's most challenging questions.

BioNook

BioNook (wi.mit.edu/bionook) is Whitehead Institute's online resource for biology education, offering exciting learning enrichment for students, parents, and teachers. Find videos, podcasts and stories on Whitehead Institute science, as well as virtual workshop opportunities through BioNook's After School Science Club, and ideas for nature-based activities.

455 Main Street
Cambridge, MA 02142
United States

wi.mit.edu