

50th ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY HIGH SCHOOL PROGRAM

Sponsored by the ASCB Education Committee

How the Turtle Got Its Shell; How the Bat Got Its Wing: Evolution through Developmental Changes

Scott Gilbert, Swarthmore College

Sunday, December 12, 2010, 1:45 pm–3:00 pm
(Program begins promptly at 2:00 pm)
Pennsylvania Convention Center, Room 107
Philadelphia, PA

Gilbert's research concerns how the turtle forms its shell, which consists of 59 bones that are not found in other vertebrates. He will show how the new science of evolutionary developmental biology is attempting to study "the arrival of the fittest" by looking at the changes in gene expression occurring during development.

After the presentation, students and teachers may tour the Exhibit Hall from 3:00 pm to 4:00 pm. While in the Exhibit Hall, be sure to visit the Cell Motion BioBus, a nonprofit, mobile microscopy laboratory. The core philosophy of the BioBus is to create a space where students can learn in an authentic research lab environment along with practicing scientists. Experiments include making high-resolution timelapse movies of fish keratocytes, modeling bacterial chemotaxis, and making quantitative measurements of fluorescent organelles.

TO REGISTER:

There is no cost to attend this program; however, preregistration is encouraged. For more information regarding the program and the society, visit www.ascb.org.

Parents, students, and teachers may register.

Please register online at:

http://www.ascb.org/meetings/High_school/high_school.cfm