Evolution Curriculum Design for Secondary School Biology Teachers
Professional Development Opportunity

Secondary school biology teachers from Western Oregon are invited to a National Science Foundation-funded workshop to design high school biology curriculum focusing on evolution. Participants will work in teams with researchers to develop curriculum materials and lesson plans to be published, and that they can use in their own classrooms.

*Evolution of mammalian diet*

Why do mammals have such specialized diets? Where do omnivores come from? How does what you eat shape the morphology of your teeth, your skull, and the rest of your body? Mammals (such as lions, tigers, and bears) draw student interest like few other groups of organisms, and offer a charismatic study system to teach evolutionary principles. Samantha Hopkins, who will lead the workshop, is a paleontologist and evolutionary biologist at the University of Oregon who focuses on the evolution of ecology in mammals. This workshop is part of a project looking to determine the role diet plays in generating mammalian diversity, both in terms of species diversity and diversity of form. Our research project has generated an abundance of data that will help students engage with ecology, evolution, and the scientific method. We will explain our ongoing research, demonstrate some of the ways we’re using it for university teaching, and then work with workshop participants to develop curriculum that can be used in high school classrooms. Researchers will be available for classroom visits or videoconferences with classes using the materials we develop.

**When:** Saturday, April 26th, 9:00am-4:00pm and June 30, 9:00am-4:00pm

**Location:** Museum of Natural and Cultural History, University of Oregon, Eugene, OR.

**Benefits:**

- Stipend: $150 per session for each participant
- $200 for classroom materials for those who complete the workshops
- Continuing Professional Development Units are available

To apply please use the form available on our website at: [http://natural-history.uoregon.edu/teacher-workshop](http://natural-history.uoregon.edu/teacher-workshop)