

## SSE EVO 101 Workshop: Hands on evolution for K-12 Educators

June 25<sup>th</sup> 8:00-4:45

### Schedule

- 8:00-8:30 am Registration, coffee and bagels
- 8:30 am Brief Introduction to SSE EVO 101 by Dr. Rob Pennock, Michigan State University
- 8:45 am Brief overview of EVO 101 by Dr. Kristin Jenkins, National Evolutionary Synthesis Center
- 9:00 am Science talk by Dr. Luke Harmon, Idaho State University
- 9:45 am Break
- 10:00 am Hands-on Activities
- K-6 Educators: Giant Timeline/Resources with Kate Miller, Charlie's Playhouse  
Learn how to use the Giant Timeline with your class. Inventor Kate Miller will take you through various activities you can do with your class using this teaching tool.
- 7-12 Educators: Using Inquiry and Tree-thinking with Dr. Jim Smith, Michigan State University  
Dr. Smith will show how to make a traditional taxonomy lab series into an evolution based, inquiry activity.
- 11:30 am Lunch and conversations with scientists
- 1:00 pm Foundations of Science and Evolution by Dr. Matthew Rowe, Sam Houston State University
- 1:30 pm Panel Discussion on Teaching Evolution with Dr. Matthew Rowe, SHSU; Dr. Peter Wimberger, University of Puget Sound, and Dr. Louise Mead, National Center for Science Education
- 2:00 pm Hands on Activities
- K-6 Educators: Clipbirds (Louise Mead) /Backyard Birdfeeders (Kristin Jenkins)  
Combine a hands-on class activity with a long term class citizen science project.
- 7-12 Educators: Symbiotic software with Dr. Ellie Steinberg  
Learn how to use the EvoBeaker software to teach basic evolutionary biology concepts.
- 3:30 pm Break
- 3:45 pm Science Talk by Dr. Tiffany Garcia, Oregon State University
- 4:30 pm Raffle and Closing
- Evening Dinner (on your own), Reception and Gould Award Lecture

Description:

SSE EVO 101 Workshop: Hands on evolution for K-12 Educators

Evolutionary biology is a dynamic and exciting field. Science educators in the Portland area are invited to join evolutionary biologists and other science educators for “**Evolution 101**” – a one day workshop to be held at the Portland Convention Center on June 25. Come learn about recent research in the field of evolution, talk with evolutionary biologists, and attend sessions that feature hands-on activities for teaching evolution to all ages. Evolution is the unifying concept of biology and a centerpiece of science education standards in Oregon BUT also at times one of the more challenging topics to teach. How to teach it effectively? How to deal with student preconceptions? How to make it fun and relevant to their lives? If you’ve been asking yourself questions like these, and are interested in updating your repertoire of evolution-related teaching materials, **we invite you to attend “Evolution 101”**.

- Talks, panel discussions and hands-on activities demonstrating effective and fun ways to teach evolution
- FREE teaching resources (Giant Evolution Timeline and Activity Guide for K-6 teachers and Symbiotic EvoBeaker lab software for 7-12 teachers), and other give-aways for participants.
- An opportunity to meet and chat with professional evolutionary biologists who both study and teach evolution.
- Attend the Gould Award Lecture, given by the recipient of The Stephen Jay Gould Prize, awarded annually by the Society for the Study of Evolution to recognize individuals whose sustained and exemplary efforts have advanced public understanding of evolutionary science and its importance in biology, education, and everyday life in the spirit of Stephen Jay Gould.

This workshop is being held in conjunction with Evolution 2010 hosted by Portland State University (<http://www.evolutionsociety.org/SSE2010/>). Workshop participants are welcome to attend the Evolution 2010 meeting following the EVO 101 K-12 Workshop.

**More information:** <http://www.evolutionsociety.org/SSE2010/> or contact Louise Mead ([mead@ncse.com](mailto:mead@ncse.com)), Kristin Jenkins ([kjenkins@nescent.org](mailto:kjenkins@nescent.org))