



### EVO101 WORKSHOP FOR SCIENCE EDUCATORS

Evolutionary biology is a dynamic and exciting field. Science educators in the Austin area are invited to join evolutionary biologists and other science educators for “Evolution 101”– a one day workshop to be held at Austin Convention Center on June 17. 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 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”. Supported by the Society for the Study of Evolution Education Committee and the Howard Hughes Medical Institute. Contact Louise Mead ([lsmead@msu.edu](mailto:lsmead@msu.edu)) with any questions.

Friday, June 17, 2016

8:30am-4pm

Austin Convention Center

Austin, TX

NOTE: REGISTRATION INVOLVES TWO STEPS. FIRST REGISTER AND THEN PAY. LINKS ARE BELOW.

#### SCHEDULE

8:30-9:00 Coffee and Welcome

9:00-12:00 **The Origin of Birds**

Dr. Julia Clarke, University of Texas Austin and the Howard Hughes Medical Institute BioInteractive Team.

The discovery of *Archaeopteryx* in a quarry in Germany in the early 1860s provided the first clue that birds descended from reptiles. But what kind of reptile? In the last 40 years, scientists have identified many shared features between birds and two-legged carnivorous dinosaurs called theropods. Join us for a talk with Dr. Clarke as she shares with us resources and lessons on the evolution of birds.

12:00-1:00 Lunch (registration fee of \$25 will cover lunch costs, set up Event Brite for Registration payment).

1:00-4:00      **Declawing the Dinosaurs: Lowering Teacher Anxiety about Evolution in the Science Classroom**

Dr. Patricia Hawley and Rachel Phillips, College of Education, Texas Tech University.

Teachers, through no fault of their own, all too often find themselves on the frontline of the “debates” over evolution and public school science education. While charged with teaching according to state standards, they often do so without support from parents, students, and perhaps even administrators when it comes to teaching evolution. Demands for “teaching both sides” or offering “other scientific theories” are often overwhelming to teachers who throughout their own education were uninformed as to how to reconcile matters of faith and matters of science. The present workshop will address the false controversies that undermine confidence with the theory in an effort to help attendees teach evolution effectively and with self-assurance, and to navigate discussions concerning the nature of science and faith efficiently and with less anxiety. Topics will include, “Why are there still monkeys?”, “If evolution is strongly supported then why isn’t it a law?”, and the myth that “evolutionists” must also be atheists, to name a few.

Google form: For Registration

<http://tinyurl.com/Evo101Registration>

Event Brite: For Payment

<http://tinyurl.com/Evo101Payment>

Photo of Julia Clarke



Photo of Patricia Hawley

