

## What Can We Learn about **EVOLUTION** from **GENOMES**?

This workshop will provide introductory material on genomics and evolution. The speaker will highlight key concepts in how genome sequences are being used to address fundamental questions in evolutionary biology. This workshop will help you and your students understand things like:

How genomes are helping delineate the relationships among vertebrates

How genomes can be searched for evidence of natural selection

What genomes can tell us about adaptation and speciation

What genomes reveal about the origin of modern humans



Hands-on classroom activities related to these concepts will be shared in this workshop.

The workshop will be led by Dr. Nicholas Crawford, a Post Doctoral Fellow in Dr. Sarah Tishkoff's lab and Research Associate at the California Academy of Sciences.

Questions? Please contact Kristin Field, Director of Programs, Nano/Bio Interface Center, [kfield@seas.upenn.edu](mailto:kfield@seas.upenn.edu), 215-746-2488.

**Date:** Tuesday, October 28, 2014

**Time:** 4:30 – 5:30 PM

**Location:** Laboratory for Research on the Structure of Matter, Room 110  
University of Pennsylvania, 3231 Walnut Street, Philadelphia, PA 19104

**Sign up:** [https://www.surveymonkey.com/s/oct2014\\_teachersworkshop](https://www.surveymonkey.com/s/oct2014_teachersworkshop)

*Act 48 Credit available for School District of Philadelphia teachers*

*([http://www.phila.k12.pa.us/offices/act48/pd\\_planner/](http://www.phila.k12.pa.us/offices/act48/pd_planner/)). If the workshop is not listed yet, please keep checking back on the SDP PD planner.*