

UNIVERSITY OF FLORIDA
CENTER FOR PRECOLLEGIATE EDUCATION AND TRAINING
2009 SUMMER SCIENCE INSTITUTE: PROFESSIONAL DEVELOPMENT FOR TEACHERS

Celebrate Science! **June 29—July 2, 2009**

In recognition of the Year of Science (YoS2009), this workshop will explore many areas of the university. Participants will have the opportunity to work with researchers from across campus and beyond as we delve into topics that are significant to the YoS2009. Celebrate the anniversary of Darwin's birth and the publishing of *On the Origin of Species* as we look at evolutionary biology. We'll turn our gaze to the stars as Galileo did 400 years ago in recognition of the International Year of Astronomy and investigate global warming and biodiversity loss as the International Polar Year wraps-up its focus on the Arctic. This special offering will include not only the latest research but also the nature of science. We will employ modern research methods and equipment, as well as activities and experiments, appropriate for middle and high school classrooms.

Aquatic Systems: Emerging Problems and Creative Solutions **July 6—July 10, 2009**

This Institute highlights some of the most significant research on coastal and inland aquatic systems in Florida. Institute activities will include extensive field work and bench laboratory activities suitable for IB, AP, regular high school and advanced middle school classes. The course will examine the interconnectedness of water, and will emphasize the contaminants (metals, endocrine disrupters, plant and animal toxins, pathogenic organisms) that affect human and environmental health. Remediation technologies appropriate for student involvement will also be explored.

Institute Dates: June 29-July 2, 2009 / July 6-10, 2009 • Registration cost: \$350 • On-campus housing: \$150

The registration fee for each SSI includes all laboratory supplies, curricular materials, and take-home activities and resources. Additionally, teachers successfully completing an SSI workshop with a biotechnology laboratory are eligible to take advantage of our biotechnology equipment lockers.

For more information, visit the SSI website at: <http://www.cpet.ufl.edu/SSI/> or contact Julie Bokor at julie@cpet.ufl.edu or 352.392.2310.

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- Work with UF faculty and graduate students
- Perform authentic research
- Visit laboratories and field sites
- Attend discussions by research and industry leaders
- Share best practices
- Develop standards-aligned classroom applications
- Network with other teaching professionals

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