K-12 Teacher Professional Development Course

- Summer 2015 -

Animal Care & Study in the Classroom

Dates: June 30th – July 30th
Times: Tuesdays and Thursdays, 9am – 12pm
Location: UCLA Campus
Course Fee: $200

(50% off tuition fee for this inaugural year of the course*)

The course is designed for K-12 teachers who:

- use or want to use animals in the classroom;
- want enhanced understanding of basic care and husbandry for species used in the classroom;
- want strong planning and development methods for good research projects using animals;
- want expert professional guidance on the care and use of animals in the classroom.

This 3-unit (30 hours) course will be taught by UCLA veterinarians and experienced animal-care staff, with guest lectures by animal research scientists and state and county science fair officials.

The curriculum includes:

- Why use animals in the classroom and in research, where to get them and how to care for them
- The concept of 3Rs in animal research: reduce numbers, refine techniques, replace higher order animals
- Zoonotics and safe handling of animals in the classroom and in the field
- Federal, state and local laws and guidelines that cover the use of animals in research, teaching, and testing, including the California Education Code and the International Science and Engineering Fair (ISEF) Rules and Regulations
- Basic taxonomy of the animal species most commonly used in the classroom
- Basic care and husbandry of rodents, fish, reptiles, birds and invertebrates, including consideration of enrichment
- Discussion of the bioethics of using animals in research, teaching and testing – the rewards vs. the costs
- How to help students plan and develop a good research project
- Overview of how the research process works in drug development, from concept to bench work to testing in animals to FDA approval and use in humans
- The future of animal-based research, the challenges and possible rewards
- How teachers can foster a life-long interest in the biosciences

*Limited space available. Preference will be given to teachers who represent a wide range of different schools.

Questions? Please contact Ana Elias (aelias@mednet.ucla.edu).