



"We take seriously our responsibility to contribute to the local and international discussion on the vital science-related issues of our day..."

Prof. Barbara Finlayson-Pitts,
AirUCI Director

We provide ongoing professional training and curricular support in chemistry and atmospheric sciences to science teachers via our highly-acclaimed Summer Teacher Workshop.

This six-credit university extension course gives 20 teachers per year an opportunity to study the results of our leading-edge research and perform actual experiments in our labs with our equipment.

Along with our commitment to be available as an ongoing resource to these teachers, we provide materials that can then be used in their classrooms to educate the next generation of scientists and citizens.

For workshop details, please contact:

Prof. Sergey Nizkorodov
Phone: 949-824-1262
nizkorod@uci.edu

Melissa Sweet
Phone: 949-824-2628
msweet@uci.edu

WHO SHOULD ATTEND?

This is an intensive course designed primarily for high school science teachers, particularly those teaching chemistry or environmental sciences. A background in chemistry or math is helpful, but not required.

IS IT OVER MY HEAD?

We review basic concepts of chemistry, physics, and math at the start of the course. Many of the attending teachers feel challenged, but all are enthusiastic about the material. They come away with a renewed excitement for teaching science and for learning more about the topics we cover.

HOW DO I SIGN UP?

Just fill out an application for the course and send it to us by fax, by post, or by e-mail. The application is available on our web site at airuci.uci.edu/events_upcoming

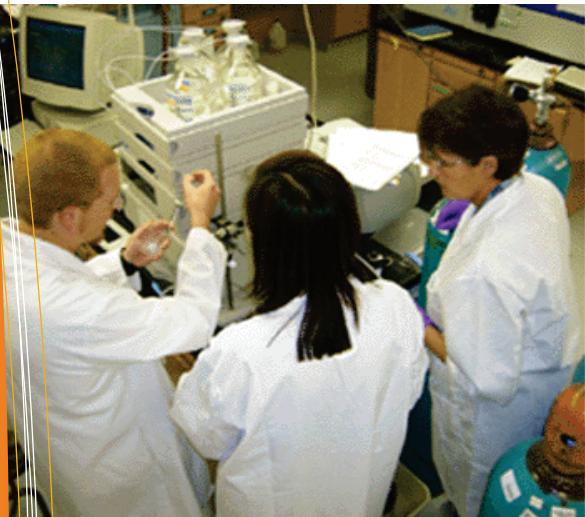
AirUCI Summer Teacher Workshop on campus at UC Irvine



...reaching out to our **SCHOOLS**

AirUCI
University of California, Irvine

UCI Department of Chemistry
1102 Natural Sciences 2
Irvine, CA 92697-2025
949.824.2628 phone
949.824.2420 fax
airuci.uci.edu
Office: Rowland Hall room 366



Our workshop works for you

CONNECTING YOUR CLASSROOM TO THE SCIENCE RESOURCES YOU NEED

We provide professional training and ongoing curricular support in chemistry and atmospheric sciences to high school science teachers through our highly-acclaimed summer Teacher Workshop.

This university extension course gives 20 teachers per year an opportunity to study the results of our leading-edge research and perform actual experiments in our labs with our equipment.

Along with our commitment to be available as an ongoing resource to these teachers, we provide materials that can then be used in their classrooms to educate the next generation of scientists and citizens.

Agencies such as the National Science Foundation, the U.S. Department of Energy, the National Institutes of Health, and NASA support the research of our faculty team, who are among the best in the business.

We are honored that our Summer Teacher Workshop program has been cited as exemplary by a committee of the National Academy of Sciences.

We've been highlighted in their publication, entitled *Strengthening High School Chemistry Education through Teacher Outreach Programs*, discussing the vital importance of public school chemistry teachers.

This publication can be viewed online at
http://www.nap.edu/catalog.php?record_id=12533

benefits that go far beyond the classroom

MORNING LECTURES

Each day of the program begins with a discussion of key issues related to environmental chemistry. Topics such as:

- overview of the atmosphere
- environmental photochemistry
- solar energy and photovoltaics
- indoor and outdoor air pollution
- climate modeling
- particulates in the air

are presented by some of the top researchers in their fields, as well as by other special guest lecturers.

AFTERNOON LABS

After lunch each day, the class moves to our labs where attendees get hands-on instruction and participate in actual research projects using our cutting-edge equipment. This program presents a unique opportunity that allows teachers to learn first-hand about research techniques such as chromatography, spectroscopy, lasers, Fourier Transform infra-red, computer-assisted modeling, and other methods.

ONGOING SUPPORT

Once attending teachers have completed our course, we make ourselves available as an ongoing resource to them. Each teacher receives materials from the course that are designed to be included in their class curricula.

We'll assist teachers who want to bring groups of students to hear about our research and tour our labs. Members of our research team are delighted to visit schools or classrooms to give presentations on topics such as:

- air quality issues in Southern California
- indoor and outdoor air pollution
- climate change and other environmental issues
- specific areas of our research
- general science subjects, such as chemistry
- encouraging students to pursue science studies
- career opportunities in the sciences
- women in science
- we've even helped to judge science fairs

ATTENDING TEACHERS RECEIVE:

- A \$1000 STIPEND
- SIX CREDIT UNITS THROUGH UCI EXTENSION
- TEXTBOOK VALUED AT \$140
- CLASS MATERIALS IN PRINT AND CD FORMAT
- LUNCH EACH DAY
- FREE PARKING VALUED AT \$80
- ONGOING CLASSROOM SUPPORT

Visit our web site to enroll in the program and read enthusiastic comments from previous attendees! airuci.uci.edu/events_upcoming



UCIRVINE