



BioTeach for Teachers Class

FOR FURTHER INFORMATION CONTACT

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Application materials may be found on
our website: www.uab.edu/cord

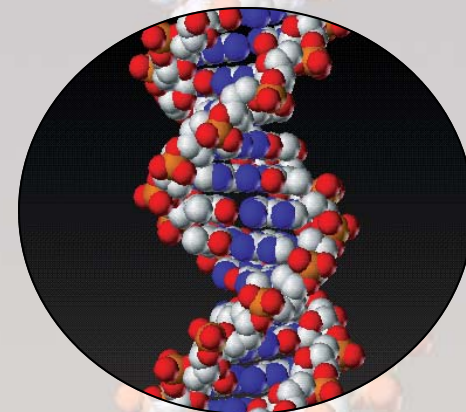
BIOTEACH 2014

- BioTeach 2014 is scheduled for June 9 - June 27 and includes three professional development workshops held during the academic year.
- BioTeach classes will meet at the McWane Science Center, located at 200 19th Street North, Birmingham, Alabama 35203.
- Lectures begin at 9 AM followed by lab, which generally concludes around 5 PM.
- Participants may register for 3 or 6 graduate-level credit hours for BioTeach at the participants' expense.
- BioTeach graduates are invited to bring their high school classes to participate in the GENEius Lab at the McWane Science Center.
- BioTeach graduates have access to several modules equipped with supplies and reagents to perform microbiology and molecular biology inquiry-based experiments in their own high school classrooms.
- Deadline for applications is May 16, 2014.
- BioTeach graduates will be paid \$100 per complete day for the summer course and \$100 per professional development work-

BIOTEACH 2014

A SUMMER LAB EXPERIENCE

BRINGING MOLECULAR BIOLOGY INTO FOCUS



FOR HIGH SCHOOL SCIENCE TEACHERS

CORD

The
UAB Center for Community
OutReach Development

emPowering rising stars

WHAT IS BIOTEACH?

- A course that prepares teachers to translate cutting-edge science into exciting hands-on experiences for their high school classroom.
- A three-week course that combines a lecture series with an interactive laboratory experience designed to explore modern concepts in cell and molecular biology.
- Instructional material on the scientific basis of AIDS, Tuberculosis, Cancer, Forensic Medicine, Tropical Diseases, Neurobiology, Human Genetics, Sickle Cell Anemia, and Ethical Issues in Genetic Research provided by internationally recognized researchers.
- Hands-on laboratory training in bacterial genetics, molecular cloning, gel electrophoresis, polymerase chain reaction, forensic analysis, and applications of molecular biology.
- A mechanism that will allow you to access scientific modules for your classroom supported and facilitated by CORD.
- A forum in which teachers interact daily with researchers, develop new laboratory skills, begin to develop their own hands-on experiences for the classroom, and learn first-hand about the exciting advances being made in biotechnology.



WHO TEACHES BIOTEACH?

PETE DETLOFF, PhD
**DEPARTMENT OF BIOCHEMISTRY
& MOLECULAR GENETICS**

SHAHID MUKHTAR, PhD
DEPARTMENT OF BIOLOGY

JASON LINVILLE, PhD
DEPARTMENT OF JUSTICE SCIENCES

STEVE HAJDUK, PhD
**DEPARTMENT OF BIOCHEMISTRY
& MOLECULAR BIOLOGY**
UNIVERSITY OF GEORGIA

OLAF KUTSCH, PhD
**DEPARTMENT OF MEDICINE-INFECTIOUS
DISEASES**

KELLY ROSS-DAVIS, MS
**DEPARTMENT OF MEDICINE-INFECTIOUS
DISEASES**

TIM TOWNES, PhD
**DEPARTMENT OF BIOCHEMISTRY
& MOLECULAR GENETICS**

JANET YOTHER, PhD
DEPARTMENT OF MICROBIOLOGY

(SUBJECT TO CHANGE)

CORD FACULTY

J. Michael Wyss, PhD
David Radford, PhD
Ollie Kelly, PhD

WHO TAKES BIOTEACH?

MIDDLE/HIGH SCHOOL TEACHERS WHO:

- Currently teach in the biological or life sciences.
- Have a strong desire to learn more about cell and molecular biology and its application in the classroom.
- Have much, little or no prior experience in molecular biology.
- Come from school districts throughout Alabama.
- Major support for BioTeach is provided by UAB's Center for Community Outreach Development (CORD) in conjunction with McWane Science Center and the Birmingham City Schools. This year, BioTeach is made possible by a grant from the Alabama Commission on Higher Education (ACHE).
- UAB faculty, staff, graduate students, and postdoctoral fellows.

