

## Application Form

### Applicant Information:

Name:

Address:

City, State, Zip:

Phone:

### School Information:

Name:

Address:

District:

Current Year in School(circle) 9 10 11 12

Parent/Guardian Signature

Please include:

- A personal statement describing your interest in the Biotechnology Summer Academy (less than one page)
- High school transcripts for grades nine through the most recent term completed

Please send all applications and inquiries to:

Dr. Afifa Sabir  
Utah State University  
Center for Integrated BioSystems  
4700 Old Main Hill  
Logan, UT 84322-4700  
Phone: (435) 797-3504  
Fax: (435) 797-2766  
Email: [affa.sabir@usu.edu](mailto:affa.sabir@usu.edu)



For more information:  
[www.biosystems.usu.edu/education/high\\_school](http://www.biosystems.usu.edu/education/high_school)

**UtahStateUniversity**  
CENTER FOR INTEGRATED BIOSYSTEMS

4700 Old Main Hill Logan, Utah 84322-4700

NON PROFIT ORG  
U.S. POSTAGE  
PAID  
UTAH STATE

This summer, discover  
that the **answers** to  
some of the really big  
**questions** in science  
will come from  
**biotechnology**



**2009**  
Biotechnology  
Summer Academy  
for high school  
students



**UtahState**  
University  
CENTER FOR INTEGRATED BIOSYSTEMS  
*Understanding the molecules of life*



How can we analyze the water on Mars for life?

Which biofuel will we all be using someday?

Can we design personal cures and disease prevention for each individual?

What lives in the Great Salt Lake?

How do we apply nutrient-gene interaction research to promote better health?

When will we increase the food supply with cloned meat?



These are some of the exciting questions being asked in the biotechnology world. At the Center for Integrated BioSystems at Utah State

University, amazing research and collaborations are happening in the fields of biology, genomics, bioinformatics, engineering, chemistry, nutrition science, agriculture, and computer science to address these questions and much, much more.

The opportunities, challenges, and adventures in biotechnology are limitless. If you are a high school junior or senior during the 2009-2010 school year and are thinking of a career in science, the CIB Biotechnology Summer Academy is just what you need.

The 9<sup>th</sup> Annual Biotechnology Summer Academy for High School Students is a 5-day interactive workshop for students to become immersed in on-going biotechnology projects at Utah State University. USU faculty members interact directly with the students, providing opportunities to practice lab



Students gain hands-on experience in the lab

techniques and work on real research projects with world-renowned scientists in a casual and relaxed setting. Students conduct hands-on experiments that impact actual scientific projects at USU. Housing and meals for the 5-day program are provided in USU residence halls with counselors. Fun group activities, like barbeques, swimming, and miniature golf are planned for each evening.



Peering into the vast future of biotechnology

Students are selected based on their GPA, their interest in science, and their grade level.

Dr. Afifa Sabir oversees the program. Her years of experience provide an ideal setting for student learning and fun.

**For more information:**

Please contact the Center for Integrated BioSystems at 435-797-3504, [cibtraining@usu.edu](mailto:cibtraining@usu.edu), or on our web site at [www.biosystems.usu.edu/education/high\\_school/](http://www.biosystems.usu.edu/education/high_school/)

**Location:**

The Biotechnology Summer Academy is held on the campus of Utah State University in Logan, Utah.

**Program Cost:**

- Registration is \$100.
- Housing, meals and materials are provided.
- Travel to and from the University is each student's responsibility.

**Deadline:**

Applications are due by June 1, 2009. Space is limited so apply early.

**Workshop Date:**

July 6th through July 10th, 2009

