

## Teacher Short Course: DNA & Cloning Workshop

Join us for a three-day workshop focusing on DNA & Cloning and its uses in the biotechnology industry. Learn how genetic engineering and DNA-based assays are used in the development of useful biopharmaceutical drugs, therapies, bioengineered crops and more!

UF-CERHB's Education Center was established as a resource to facilitate the expansion of biotechnology industry in Florida by building a pipeline of skilled and knowledgeable employees. Through funding from the National Science Foundation, UF-CERHB in partnership with UF's Center for Precollegiate Education and Training and the school boards of Alachua, Marion and Palm Beach counties developed the "Industrial Biotechnology" program (#8736000) for high school students, which provides contextualized learning of biotechnology-based concepts in an applied science setting.

The UF-CERHB series of Teacher Short Courses are designed to assist teachers make the paradigm shift from teaching science as an academic endeavor, to instructing students on how science can be used as a tool for the discovery, development, manufacture, and testing of a beneficial product. Short Course content is aligned with Florida's Next Generation Sunshine State Standards for the Biotechnology framework.

**Wet lab activities will include:**  
**Genomic and Plasmid DNA Isolation**  
**Restriction Enzyme Analysis**  
**Bacterial Transformation**  
**Gel Electrophoresis**

Become familiar with these lab techniques and learn how to prepare your classroom for your students to run the same experiments!

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### Course Time and Location

**DATES:** October 24<sup>th</sup> - 26<sup>th</sup>, 2012

**TIME:** 9:00 a.m. – 5:00 p.m.

**LOCATION:** UF's Center of Excellence for Regenerative Health Biotechnology Education Center  
13706 Innovation Drive, Alachua FL 32615

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### Cost & Payment

\$300 (does not include meals and lodging) Please make checks payable to: "University of Florida"

**Mail Payment to:**

CERHB, Shelly Stiriz  
13706 Innovation Drive, Suite 101  
Alachua, FL 32615

**Fax Purchase Order Forms to:** 386-462-7365,

Or scanned and e-mailed to:

[sstiriz@cerhb.ufl.edu](mailto:sstiriz@cerhb.ufl.edu)

# DNA & Cloning Technologies Workshop October 24<sup>th</sup>-26<sup>th</sup>, 2012

## Applicant Information

Name:

Email:

Phone:

Current address:

City:

State:

ZIP Code:

## School Information

Current work site:

District:

Address:

How long?

Phone:

Fax:

City:

State:

ZIP Code:

Position & Courses Taught:

District:

Billing Contact Name & email:

Billing Contact Phone Number:

Billing Contact Physical Address:

## Experience

Are you currently teaching Biotechnology (either as a course, or integrated into other courses)?

Is your school/district considering or planning to start a Biotechnology program?

Do you have previous work experience in a biotechnology-based industry? Please describe:

Briefly describe areas of preparative work, techniques, or concepts that you would like to have highlighted in the course:

## Signature

Please fax signed application to **386-462-7365**, or scan a signed copy and e-mail to [lwojo@ufl.edu](mailto:lwojo@ufl.edu)

Signature of applicant:

Date:

Signature of administrator:

Date:

The Center of Excellence for Regenerative Health Biotechnology (<http://cerhb.rgp.ufl.edu/education>) is located in the heart of Alachua's Progress Corporate Park (<http://www.progresscorporatepark.com/>), home to a variety of Florida's start-up and established Biotechnology Companies.



Suggested hotels:

[Best Western Gateway Grand](#)

&

[University Center Holiday Inn](#)