HILLSBOROUGH Community College Brandon Campus

Presents

$Protein is the Cash$

Introduction to Biomanufacturing Teachers Workshop

NBC2

Northeast Biomanufacturing Center & Collaborative

June 14-18, 2010

9am to 4pm

Hillsborough Community College

Brandon Campus

10414 East Columbus Dr.
Tampa, Florida 33619

Florida Center of Excellence
FCoE-BITT
Biomolecular Identification and Targeted Therapeutics

Hillsborough Community College
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$Protein is the Cash$

Introduction to Biomanufacturing Teachers Workshop

Day to Day Schedule

Day 1
Overview of Biomanufacturing
Introduction to Metrology
LUNCH & Networking
Metrology

Day 2
Discovery Research/Upstream Processing
Bacterial Transformation/Upstream Processing
LUNCH & Networking
Transformation & Upstream Processing

Day 3
Introduction to Downstream Processing & Chromatography
Chromatography
LUNCH & Networking
Chromatography

Day 4
Introduction to Sampling & Quality Control Biochemistry
QC Biochemistry Lab
LUNCH & Networking
QC Biochemistry Lab

Day 5
Introduction to Clinical Trials, Career Paths, Workshop Evaluation
Clinical Trials
LUNCH & Networking
Tour of Biomanufacturing Facility

* Lunch each day provided by NBC2

Protein is the Cash:
Introduction to Biomanufacturing Teachers Workshop

The purpose of this workshop is to provide hands-on activities and information for new advanced technology career paths in biomanufacturing. Biomanufacturing represents the maturation of the biotechnology industry which began in 1982 with the commercial production of human insulin in *Escherichia coli* cells by Eli Lilly in Indianapolis, Indiana.

As a teacher taking part in this workshop you will learn hands-on:

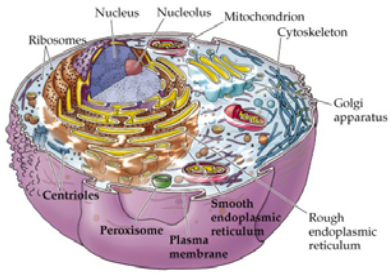
How to transform cells with foreign genes of interest that the cell will turn into protein via the Central Dogma of Biology (DNA).

How these transformed cells are grown in ever increasing numbers to maximize the amount of protein of interest that is made.

How the protein of interest is purified from the cells or nutrient medium.

How quality control tests are used to determine the characteristics of the protein produced.

And much more!



Please fill out ,detach, and send to contact address below.

Name_____

Address_____

City_____

State_____ Zip_____

Phone_____

Email_____

Occupation_____

Please RSVP by June 1, 2010 as seating is limited to 25!

Contact Information:

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