

ATTENTION: BIOLOGY AND CHEMISTRY HIGH SCHOOL TEACHERS

Biotechnology Professional Development Opportunity

March 22 - 25, 2010

Location: Hudson Valley Community College East Campus

Facilitator: Sonia Wallman, Executive Director NBC2 ATE Center www.biomanufacturing.org

This is an excellent staff development opportunity for a "team" that includes one high school biology teacher and one high school chemistry teacher from school districts in the region. Participants will learn about the intricacies of the **emerging science of biotechnology** and supporting classroom curriculum that can be infused into existing high school biology and chemistry classrooms.

Schedule:

Monday, March 22 at 4 pm – 8 pm **Biology & Chemistry Teachers**

Networking Dinner and Orientation

Intro to protocol & safety considerations, student networking & clubs strategies.

Tuesday, March 23 8 am -4 pm **Group 1. Biology Teachers attend**

Overview of Discovery Research and Upstream Processing

Bacterial Transformation and Upstream Processing

Transformation and Upstream Processing

Wednesday, March 24 8 am – 4 pm **Group 2. Chemistry Teachers attend**

Introduction to Downstream Processing and Chromatography

Introduction to Sampling and Quality Control Biochemistry

Chromatography Laboratory

Chromatography and Quality Control Biochemistry Laboratory

Thursday, March 25 Beginning 4 pm **Biology & Chemistry Teachers**

Introduction to Clinical Trials, Career Paths in Biotechnology/Biomanufacturing,

Tour of Biomanufacturing facility

Please note: The full day programming of 3/23 & 3/24 will cover different content. Therefore school districts that have project based learning techniques and integrate biology and chemistry instruction are to contact Elizabeth Herkenham at 518 882-8281 or elizabeth.herkenham@wcet.us for an additional participation option.

February 26, 2010 Deadline for Registration:

If you are interested please email the following information to: elizabeth.herkenham@wcet.us

Submit school district name, biology and chemistry teachers' name and contact information.

\$300.00 stipend to be paid for attending both evenings and the one full day.

The Greater Capital Region Career Pathways Consortium (GCDCPC) is a partnership between Hudson Valley Community College, Capital Region BOCES, Columbia-Greene Community College, Questar III BOCES, Washington-Saratoga-Warren-Hamilton-Essex BOCES, Schenectady County Community College, and SUNY Cobleskill. The Consortium is funded under the Carl D. Perkins Career and Technical Education Improvement Act of 2006 under the direction of the New York State Education Department. The GCRCPC is developing new programs in green technologies, advanced manufacturing systems, nanotechnology and bioscience at both the high school and college level.