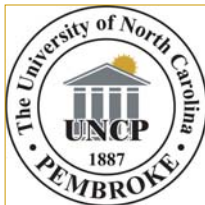
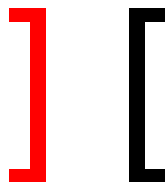


PARTNERS

**BRUNSWICK
COMMUNITY COLLEGE**



UNC Pembroke Regional Center
for Economic, Community &
Professional Development
Project BIO NSF Grant #
0332650



REGISTRATION INFORMATION

Seminar Cost: is one time payment of:

\$35 if payment is received by March 25, 2007

\$45 after March 25, 2007

Registration includes drinks and snacks during breaks; as well as Seminar hand-outs & materials & 1.2 CEU certification hours

To register via e-mail: len.holmes@uncp.edu

Name: _____

Organization: _____

E-mail address: _____

Telephone Number: _____

Fax Registration Form To:
Attn: LaVonne : 910-775-4005

PAYMENT METHOD (Master Card/Visa/Check)

Credit Card Type: _____

Credit Card #: _____

Expiration Date: _____

Name of Card Holder (CH): _____

Signature (CH)

Make Checks Payable To:
The University of North Carolina at Pembroke (UNCP)

**Payments will be accepted on the day of this event;
however, seating is limited.**

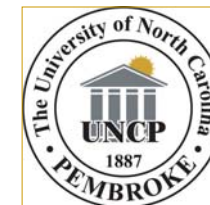
Questions/Comments: Contact LaVonne at
(910) 775-4014 or Lavonne.wilkerson@uncp.edu

or

Michelle Gomperts: mgomperts@ec.rr.com

ALGAL CULTURING SEMINARS

MARCH 30, 2007
APRIL 27, 2007
MAY 25, 2007



**BRUNSWICK
COMMUNITY COLLEGE**

ALGAL CULTURING SEMINARS
MARCH 30, 2007
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OVERVIEW

These are cutting-edge seminars that have practical applications in the biotechnology industry today. The individual sessions are conveniently spread out over three months to accommodate students, professionals and industry workers.

PRESENTER: Michelle Gomperts



Michelle Gomperts received her B.S. in environmental and marine and coastal sciences from Rutgers University, School of Environmental and Agricultural Sciences in 1996. She then went on to join the U.S. Peace Corps, in Morocco, North Africa. She served 2.5 years service as a biologist in

the National Park of Al Hoceima on the coast of the Mediterranean. After returning to the U.S. she attended graduate school at the University of North Carolina at Wilmington, as an Oceans and Human Health Fellow in the M.S. of Marine Science program. Upon completion of the M.S. in 2002 Michelle began teaching at Brunswick Community College, and has remained there for the past 4.5 years teaching biology. In addition she works for UNC Chapel Hill as a facilitator and liaison for the DESTINY program, the Traveling Science Learning Program run out of the Morehead Planetarium and Science Center in Chapel Hill.

SEMINAR DESCRIPTION

Workshop I: March 30, 2007

Isolation of Marine Dinoflagellates

Learn how to isolate single microalgae and begin a culture. Isolation techniques, media preparation to start your own cultures in your lab, and the aseptic techniques of beginning a culture will be covered. We will be working with 3 marine dinoflagellates and preparing the start up process of culturing.

Workshop II: April 27, 2007

Scale up, part 1

We will cover the scale up process from microtiter plates to test tubes; also the class will discuss culturing conditions and different media possibilities, as well as demo the process of media preparation.

Production design

- Bags/Filters
- Fitting & Connectors
- Mixers/Bioreactors

Workshop III: May 25, 2007

Scale up, part 2

After surviving in test tubes for a month we are now ready for the large scale. These cultures can be utilized to inoculate batch or continuous cultures. We will discuss both types of culturing methods and begin our cell lines in both types of cultures. In addition, you will be able to bring home your cultured algae to scale up in your own lab or just to maintain in test tubes.

WHO SHOULD ATTEND

Industry workers (management, technicians), Community College & University students; as well as public Schools Science teachers.

1.2 CEU credits will be issued; participants must attend all three workshops to receive CEU credits.

WHERE

Brunswick Community College Campus
Building B, Room 226 Supply N, C

Time: 9:00 am—1:00 pm

(www.brunswick.cc.nc.us)