Nanotechnology Internship for Teachers – Summer 2011

The Center for Biological and Environmental Nanotechnology (CBEN) at Rice University offers a 4-week internship in our research laboratories.

Program Dates:       June 6 – July 1, 2011
Time:                 9 AM - 4 PM
Location:             Rice University Campus
Administration:      Dr. Carolyn Nichol, Executive Director for School Science and Technology

Program Outline
- Month-long internship in a CBEN laboratory to reinforce understanding and appreciation of science as a process
- Observe and actively work in research
- Interview faculty, graduate students, and other lab personnel
- Review existing nanoscience and materials-science instructional resources
- Develop inquiry-based lesson plans that apply CBEN research
- Use digital media to bring laboratory experience to students
- Read technical articles related to research topics
- Network with fellow science teachers

Program Compensation
- $3,500 stipend upon program completion*
- Free parking

Program Structure
- Teachers will be placed in a CBEN faculty’s research laboratory and assigned a graduate or post-doctoral student to shadow
- Orientation that includes laboratory safety & digital media training
- Weekly 3 hour meeting to discuss research experience
- Round robin tours of teacher internship laboratories
- Observation of high school summer science academy lectures and labs
- Lesson plan meetings
- Symposium to share research project and lesson plans

*Contingent on funding. Must be a US citizen or Permanent Resident to receive stipend.
Application for
CBEN Nanotechnology Internship for Teachers 2011

Email to: sylvia.l.harris@rice.edu
OR
Mail to: CBEN Nanotech Summer Internship, CBEN, MS-63, Rice University, P.O. Box 1892, Houston, TX 77251
by April 1, 2011

Name: _______________________________       E-mail: _______________________________

Telephone number(s) for leaving a message: _______________________________

School: _______________________________       School Telephone: ______________________

School District: _________________________       School FAX: ___________________________

Home Address: _______________________________

Race and Ethnicity (This information is requested by the National Science Foundation for statistical purposes):

☐ Native American       ☐ Pacific Islander       ☐ Asian       ☐ Hispanic

☐ Black/African-American       ☐ White/Caucasian       ☐ Other (specify):

Gender
☐ Male       ☐ Female

Have you taken CHEM 570 at Rice University? If so, when? _____________________________________

What subject(s) are you teaching now? ______________________________________________________

What other subjects have you taught? _______________________________________________________

How long have you taught? _______________________________________________________________

Please attach:

1. **Statement** about why you are applying to the Nanotech Summer Internship Program. This statement should be 1-2 pages long and will be used as part of the selection and placement criteria.

2. **Resume** that lists education and employment history.

Name your top three CBEN research areas of interest for placement: Theme 1, Theme 2, or Theme 3
(Descriptions of research can be found at [http://cben.rice.edu/research.aspx](http://cben.rice.edu/research.aspx))

First Choice    ___________________________________

Second Choice    ___________________________________

Third Choice    ___________________________________

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