



EMORY

YERKES
NATIONAL
PRIMATE
RESEARCH
CENTER



Center for
BEHAVIORAL
NEUROSCIENCE



January 23, 2012

Dear U.S. Middle and High School Science Teachers,

The Yerkes National Primate Research Center, Georgia State University, and the Center for Behavioral Neuroscience (CBN) invite you to apply for the Institute on Neuroscience (ION) @Yerkes, an eight-week paid summer professional development program for scientific research. We seek middle and high school teachers who are interested in joining cutting-edge neuroscience research laboratories to expand their scientific content knowledge and learn methods that they will translate into hands-on experiential learning in the classroom.

The program begins June 4 and is tentatively scheduled to conclude July 28, 2012. Teacher Scholars are required to be present for the entire eight-week program and may not be otherwise employed. The program is divided into two segments. During the first one-and-a-half weeks, we will present an introductory neuroscience curriculum using lectures, discussions, readings, and hands-on activities led by faculty and trainees from metro-Atlanta universities. Participants may also tour research facilities to explore state-of-the-art research techniques and participate in workshops on topics such as scientific communication, scientific ethics, and transitional lesson plan development. During the next six-and-a-half weeks of the program, participants will engage in a mentored laboratory research project. The introductory curriculum is tentatively scheduled to take place at Yerkes National Primate Research Center, and the mentored research may take place at Yerkes, Emory University, Georgia State University, the Georgia Institute of Technology, or Morehouse University. In addition to completing a mentored research project, participants will be required to design and develop a lesson plan to be implemented in the classroom. While outstanding high school students will participate alongside teachers in the introductory course and weekly workshops, student and teacher participants will be paired individually with different research mentors.

ION Teacher Scholars are expected to provide their own transportation between their homes and the program sites on a daily basis, although reimbursement for MARTA passes or parking expenses may be provided. Teacher Scholars are also expected to provide their own meals. Housing may be arranged in college dormitories for participants from outside Atlanta, but at their own expense. Teacher Scholars will be paid hourly wages (\$25.00/hour) for their full-time commitment of 40 hr/week during the eight-week program. Immunization records and current TB test results will be required of all Teacher Scholars.

Please postmark your completed application by **March 12, 2012**. Only mailed applications will be accepted; applications submitted by e-mail will not be accepted. Two letters of recommendation are required along with the application. We will interview a subset of applicants before making offers of acceptance into the program. Phone interviews can be arranged for out-of-state candidates. Applicants will be notified of their acceptance status during the week of April 9, 2012. Please contact us via e-mail if you have questions. We look forward to receiving your application.

Sincerely yours,

Chris Goode, Ph.D.
ION@Yerkes Director
Department of Psychology
Georgia State University
cgoode@gsu.edu

Beth Buffalo, Ph.D.
ION@Yerkes Co-Director
Emory School of Medicine
Yerkes National Primate Research Center
ebuffal@emory.edu

Kyle Frantz, Ph.D.
ION@Yerkes Co-Director
Neuroscience Institute
Georgia State University
kfrantz@gsu.edu

Laurie Murrah-Hanson, MPA
ION@Yerkes Program Coordinator
Neuroscience Institute
Georgia State University
amurrahanson@gsu.edu

II. How did you learn about the ION@Yerkes Summer Research Program?

III. School Information:

School Name _____

Address of Middle or High School _____

Phone number of Middle or High School _____

School Principal _____

School Profile:

Percent Eligible for free or reduced lunch:

Demographics of school (must total 100%):

African-American: _____ Alaskan Native: _____ Caucasian: _____ Hispanic: _____

Native American: _____ Pacific Islander/Asian: _____ Other: _____

IV. Education:

List your degrees obtained or in progress (most recent first). Attach additional pages if needed.

Institution: _____ Year Enrolled: _____

Major: _____ Degree: _____

Year Completed/Expected: _____

Institution: _____ Year Enrolled: _____

Major: _____ Degree: _____

Year Completed/Expected: _____

Institution: _____ Year Enrolled: _____

Major: _____ Degree: _____

Year Completed/Expected: _____

V. Teaching Experience:

How many years have you been teaching? _____

How many years have you been teaching science? _____

List each science class you have taught. For each, please include the grade level and number of years taught. Include a separate sheet if necessary.

Science class title: _____ Grade level: _____ Years Taught: _____

Science class title: _____ Grade level: _____ Years Taught: _____

Science class title: _____ Grade level: _____ Years Taught: _____

Science class title: _____ Grade level: _____ Years Taught: _____

List the nature and duration of your connections with local universities.

Briefly describe your ongoing professional learning experiences.

Have you ever taught or participated in a summer science professional development program before? Please describe.

List academic honors, papers, lab techniques, and/or computer programming skills you feel will be useful in this summer research experience.

VII. Personal Statement

In approximately (approximately or no more than?) 400 words, describe how a summer research experience in neuroscience will contribute to your educational and professional goals, and how you expect this will enhance your science teaching. Please type and double space your statement on a separate sheet of paper and attach it to this application. Please sign the page to indicate your sole authorship.

VII. Letters of Recommendation

Please send two letters of recommendation with your application. They should be signed, sealed and then signed again by the recommender.

IX. Certification

My signature below affirms that the information contained in this application is true and accurate to the best of my knowledge. *I also affirm that I can arrange for my own meals and transportation and am available to work full time every day for the duration of the program.*

Signature of Applicant

Date

All materials must be postmarked by March 12, 2012. We expect to make our decisions and begin notifications the week of April 9.

All applications must be mailed; we accept hard copies only. Electronic applications (e.g., attached to e-mail messages) will NOT be accepted due to computer security concerns.

**ION@Yerkes Summer Research Program
c/o Laurie Murrah-Hanson
Georgia State University
Neuroscience Institute
PO Box 5030
Atlanta, GA 30302**