Facilitating Academic Careers in Engineering and the Sciences is a project of the National Science Foundation Alliances for Graduate Education and the Professoriate. The participating institutions are Georgia Institute of Technology, Morehouse College, Spelman College, and Emory University. Our mission is to increase the number of science professors from underrepresented ethnic groups.

Three receive Career Initiation Grant

Three Career Initiation Grants were recently awarded to new faculty in the FACES Consortium. Each will receive $30,000 to use toward lab equipment, travel, personnel, and the like. The grant recipients are:

* Monique Hite, PhD – Dr. Hite completed her doctorate in Civil & Environmental Engineering in 2007 from Georgia Tech. She will join the faculty at Texas A & M University in August.

* Stefan France, PhD – Dr. France completed his PhD in Chemistry at Johns Hopkins University in 2005. He is currently a postdoc at Emory and will join the faculty at Georgia Tech in the Fall.

* Cleon Davis, PhD – Dr. Davis completed his PhD in Electrical and Computer Engineering at Georgia Tech and is still pursuing faculty positions.

Congratulations, CIG awardees!

Fairley receives Postdoctoral Fellowship

The fourth annual FACES Postdoctoral Fellowship was recently awarded to Jacqueline Fairley. Ms. Fairley will soon complete her PhD in Electrical and Computer Engineering at Georgia Tech where she has studied statistical modeling of the human sleep process using physiological recordings. After obtaining her doctorate, Ms. Fairley will continue her study of sleep at the Emory Sleep Disorders Center.

Ms. Fairley will receive $35,000 to use toward postdoctoral training, travel, equipment and career development.

Congratulations, Ms. Fairley!

Undergraduate research opportunities abound

The numerous research experiences for undergraduates (REUs) located around the country offer students first hand involvement in research. Search these lists to find programs to meet your needs:

http://www.nsf.gov/crssprgm/reu/reu_search.cfm
http://www.ams.org/employment/reu.html
Georgia Tech recently received NSF funding to expand their Summer Undergraduate Research in Engineering/Science (SURE) program to the Georgia Tech Lorriane campus in Metz, France. This summer, five students from Morehouse and Spelman Colleges are spending ten weeks conducting electrical and computer engineering and computer science research at the affiliated Centre National de la Recherche Scientifique. The program will increase the “global-readiness” of science and engineering students and is aimed at students who are already proficient in French. This is the first year of the three-year program.

The Dual Degree Engineering Program of Spelman College is pleased to announce that Alicia Lane and Danielle Reid were selected to participate in the GA Tech SURE International. Both Ms. Lane and Ms. Reid are fifth year students in the Dual Degree Engineering Program. Ms. Lane, a Spelman Chemistry major, has just completed her first year at the University of Michigan where she is an Environmental Engineering major. Ms. Reid, a Spelman Math major, has just completed her first year at Rensselaer Polytechnic Institute where she is a Mechanical Engineering major. These students desire to one day attend graduate school and will use this experience to prepare for that goal.

Morehouse College is pleased to have three students at SURE International this year. Michael Hurst, Alvin McNair are pre-engineering majors and Harry J. Bowden is a biology major. All three students have had prior research experience and are extending their knowledge of research and French language and culture while in Metz.

Morehouse and Spelman are especially excited about this program because it helps to develop scientists and engineers with global perspectives and research expertise. This is particularly important given our global economy and the increasing number of technical and research centers around the world.

Congratulations to these inaugural SURE International students. For more information on SURE International or to learn how to apply, please contact Gary May, PhD at gary.may@ece.gatech.edu.
FACES Papers, presentations and more

* Holly Williams (Emory FACES Fellow) was first author on “NADPH oxidase inhibitors: new antihypertensive agents?” currently in press at the Journal of Cardiovascular Pharmacology.

* Meriem Gaval, Emory FACES Fellow was selected to attend the “Cellular Mechanisms of Addiction” course and Cold Spring Harbor Laboratories. She was also selected to receive support from the Emory National Institute on Drug Abuse training grant.


* Chad Jackson, Emory FACES Fellow presented his work, “Dopamine D4 Receptors and Synchronization of Circadian Clock Output from Myultiple Cell Types in Mouse Retina” at Cold Spring Harbor’s Clocks and Rhythms meeting.

* Brian Landry, Georgia Tech FACES Fellow was awarded a graduate fellowship from Kodak. He will collaborate with Kodak on design and development of a multimedia story-authoring tool.


FACES Scholar applications accepted

Upperclass undergraduates at Emory, Spelman, Morehouse, and Georgia Tech in science, mathematics, and engineering disciplines are asked to apply to the FACES Undergraduate Scholars Research Program. The program offers talented undergraduate students the opportunity to become involved in research in the hope that they will be motivated to pursue graduate education. While the program offers the students the obvious advantages of early exposure to research, it offers participating faculty the opportunity to mentor promising students and gain assistance with research.

As a FACES scholar, the students perform research under the supervision of a faculty member. Scholars are expected to work at least 10 hours per week, and will receive a stipend of $1500 per semester. As part of the research experience, each participant is expected to complete a report summarizing the results of their research and prepare a final presentation in the spring semester.

Application forms and instructions will be posted on the FACES websites on August 1. Please visit http://www.faces.gatech.edu/ or http://www.biomed.emory.edu/PROGRAM_SITES/FACES for more information or contact Reginald DesRoches, PhD at reginald.desroches@ce.gatech.edu.
Book recommendations

When you have a rare moment for pleasure reading, consider some of these books which will inspire you and guide your career:

* **Finding Your North: Self-Help Strategies for Science Related Careers** by Frederick L. Moore and Michael L. Penn, Jr. – Guidance for getting through grad school and on with your life.

* **Winners Don’t Quit . . . Today They Call Me Doctor: The single more important rule for success** by Pamela McCauley-Bell – More guidance for getting through grad school and on with your life.

* **Bad Blood: The Tuskegee Syphilis Experiment – a tragedy of race and medicine** by James H. Jones. – What not to do. A classic example of why responsible conduct of research matters to all of us.

* **Edward Bouchet: The First African-American Doctorate** by Ronald E. Mickens, Willie Hobbs Moore, and Elmer Samuel Imes – It was in physics. From Yale. In 1876!

* **The “Racial” Economy of Science: Toward a Democratic Future** edited by Sandra Harding – Perhaps we’re not so objective and unbiased after all.

* **The Door in the Dream: Conversations With Eminent Women in Science** by Elga Wasserman – Interviews with female members of the National Academy of Sciences

* **Black Apollo of Science: The Life of Ernest Everett Just** by Kenneth R. Manning. – A wonderful biography of the cell biologist.

Got any titles you’d like to recommend? Review your favorite STEM-related book for the next issue of Face Forward. Send your review to kneal@emory.edu

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