

2006 Neuroscience Research Day  
to be held

Friday, March 3rd

Downtown Miami

Dr. Martha Patton from MIT to speak to  
Undergraduates

Monday, February 20th

10:00 am Flipse 536

## Summer Research Fellowships for NEU Majors

For Neuroscience majors who are interested in working in a research laboratory during the summer there are several summer research fellowship programs (see below). To apply for these fellowships you need to find a neuroscience faculty member willing to mentor you in his/her laboratory and have the mentor write a letter of endorsement on your behalf. You will need to fill out the application by the deadline specified. These fellowships are awarded on a competitive basis, and they are an excellent opportunity to become engaged in cutting edge science in one of the 62 neuroscience laboratories at UM. If you have questions regarding the fellowships, contact Dr. McCabe (pmccabe@miami.edu) or Dr. Noriega (vnoriega@miami.edu) for assistance.

### Summer Fellowships for Minorities and Women

In order to foster the development of minority students and to encourage them to consider graduate work and scholarly careers, the College of Arts and Sciences will sponsor fellowships for the summer of 2006. A Neuroscience major is not required. However, areas of study where minorities and women are underrepresented (e.g., mathematics and natural sciences) will be given preference. Applicants must be US citizens or permanent residents.

Under the terms of the fellowship, students will participate in research programs designed to complement the work of a faculty member. Fellowship funds will provide housing and meals on campus and a stipend of \$2000 for an eight-week period. Fellowship students are not allowed to register for other courses or to hold jobs during the eight-week period. Students are expected to spend forty (40) hours a week in research activities.

If you are an Arts and Sciences student interested in participating in this program, please pick up an application in Cox Science 122. Each student must select a faculty mentor and submit an outline of a proposed project with the completed application to the Office of Undergraduate Research and Community Outreach by March 22, 2006. **Applicants should have completed their sophomore or junior year and have an overall GPA of 3.0 with a 3.2 in their research area.** Upon completion of the research project, a paper must be submitted by each participant to Dr. Michael Gaines, Office of Undergraduate Research and Community Outreach, College of Arts and Sciences, 122 Cox Science.

### Lois Pope Undergraduate Neuroscience Research Awards

A generous endowment made to the University of Miami by our Trustee, Lois Pope, allows undergraduate majors in neuroscience to participate in summer neuroscience research projects at the University of Miami. Applications are now being accepted. We expect to appoint several Pope Undergraduate Researchers for the summer of 2006. Each student researcher chosen will be given a \$2,500 stipend plus support for a "single" dormitory room in the summer. Awardees will be expected to spend at least 10 weeks in the summer doing full-time research and to make a Research Day poster presentation on their results the following spring semester. Thus, awardees should have at

least two more semesters in residence at the University before graduation. No other award or University support is allowed during the summer, but students may participate in the group PRIME program as PRIME associates, or may be invited to attend special activities related to other summer research programs, such as the Dean's Minority and Women Research Program and the Honors Research Program. To apply for the award, interested students must submit an application by March 29. Applications are available in Flipse 208.

## Neuroscience Journal Scan

Jan. 2006


Massimini et al. (2005). **Breakdown of Cortical Effective Connectivity During Sleep.** *Science*, 309, 2228-2232.

Barnes, C.A., Heinemann, S.F., Van Essen, D. (2006). **Gene Silencing.** *Society for Neuroscience*.

Full-text of these, and all other Journal Scan articles, are available for your perusal in UASP (508 Flipse).


## Other Summer Research Opportunities

### APA Summer Science Institute



The APA Summer Science Institute (SSI) is a 9-day intensive program designed to immerse students in the science of psychology. This year's SSI will be held at University of Minnesota in Minneapolis, Minnesota from June 16-25. Freshmen and Sophomores with strong academic backgrounds and interest in research are encouraged to apply. This is a competitive, all-expenses-paid program that immerses students in the science of psychology. **Applications are due February 6, 2006.** Visit the website at [www.apa.org/science/ssi.html](http://www.apa.org/science/ssi.html) for more information.

### Summer Medical and Dental Education Program



The American Association of Medical Colleges (AAMC) and American Dental Education Association (ADEA) are now accepting applications to the prestigious Summer Medical and Dental Education Program. Students spend six weeks, all expenses paid, in an intensive medical and/or dental school preparation program at one of eleven sites across the nation. Students from economically disadvantaged backgrounds, underrepresented ethnic/racial minorities in medicine, underrepresented rural residents in medicine, and those with a "strong commitment to diversity in the workforce" are encouraged to apply. **Applications are due March 1, 2006.** Visit the website at [www.smdep.org](http://www.smdep.org) for more information.

### Summer Research Initiative Program at University of Maryland

The Summer Research Initiative Program at the University of Maryland is an 8-week program (June 4-July 29, 2006) designed to increase the number of underrepresented minorities who pursue graduate degrees in the social, behavioral, and economic sciences. This year the Initiative will bring 10-12 students to the Maryland campus to work side-by-side with a faculty mentor on a faculty-guided research project. Participants will also participate in a weekly seminar series and visit local research institutions in the Washington area such as the National Institutes of Health. **Applications are due January 31, 2006.** Visit the website at <http://www.bsos.umd.edu/dean/summer.html> for more details on the application process and program.

### Summer Research Experience at University of North Carolina, Chapel Hill

This summer, the 2006 Summer Pre-Graduate Research Experience (SPGRE) Program will be in its 18th year of offering undergraduate students throughout the country the opportunity to work full-time on research projects under the direction of UNC-CH faculty members and to conduct high quality research. The 10-week research education program is designed for students **sincerely interested in pursuing the Ph.D. degree.** Dates for this year's program are May 22 - July 28, 2006. **Applications are due February 6, 2006.** For more information visit the website at [www.ibiblio.org/res](http://www.ibiblio.org/res).

### NSF Summer Program in Applied Psychology at Clemson University

The program at Clemson University aims to provide students with the opportunity to conduct research in Human Factors, Health, and Industrial/Organizational Psychology. Interns work closely with graduate students and faculty members on research projects that will promote skill development and experience for those interested in pursuing graduate school training in Psychology. Each week interns participate in a range of activities, such as research lab work, course meetings, research seminars, and informal presentations. At the end of the summer, interns prepare to present their summer projects to colleagues, professors, and invited guests at a mini-conference in Clemson. This 10-week program (May 29 - August 4, 2006) includes housing, summer pay totaling \$3,000, and paid tuition for 2 credits of research. In addition, interns that present their summer work at a regional or national conference following the completion of the program receive travel support. **Applications are due March 1, 2006.** Visit their website at <http://people.clemson.edu/~psyhelp/> for more information or contact Dr. Benjamin Stephens at [bstephe@clemson.edu](mailto:bstephe@clemson.edu).

### 2006 Research & Creativity Forum

The Research and Creativity Forum is a University sponsored event sponsored by the Graduate Student Association, the undergraduate student organization "INQUIRY," the UM Citizens Board, the Graduate School, the Division of Interdisciplinary Studies, and the Toppel Career Center. All PRIME and students completing Psychology Honors Theses will present.

**Information Sessions will be held at the Toppel Career Center, Feb. 16 & 17, 5:30pm.**

Undergraduate student applicants must attend a RCF Information Session. These sessions provide the necessary information and support for undergraduates to submit a successful application and create a quality presentation. Presentations will be presented on Forum Day. For more information please visit the website at <http://www.miami.edu/rcf/index.html>.