2018 Regenerative Medicine Summer Internship Opportunities

The SRF Summer Scholars Program offers undergraduate students the opportunity to conduct biomedical research to combat diseases of aging, such as cancer and Parkinson’s disease. Under the guidance of a scientific mentor, each Summer Scholar is responsible for his or her own research project in such areas as genetic engineering and stem cell research. The Program emphasizes development of both laboratory and communication skills to develop well-rounded future scientists, healthcare professionals, and policy makers. Students participating in the program will hone their writing skills via writing assignments, which are designed to emulate text scientists commonly must produce. At the end of the summer, students will have the opportunity to put all of their newly developed communication skills into practice at a student symposium.

Paid positions are available at:

• Buck Institute for Research on Aging
• Harvard School of Medicine
• Sanford Consortium for Regenerative Medicine
• SRF Research Center
• The Scripps Research Institute
• University of California, Berkeley
• University of Oxford

The online application and a full descriptions of each research project can be found at www.sens.org/2018-summer-scholars. Applications will be accepted until 12 pm PST February 5, 2018.

NC Teaching Fellows

We are proud to announce that the NC State College of Education has been selected as a Teaching Fellows Program site. As a NC State University Teaching
Fellow, current students can receive a scholarship of $8,250 per year for up to 2 years if they transition to a STEM Education major or add a STEM Education major. We are excited this opportunity allows current students to apply and be awarded for their willingness to teach in the state of North Carolina...think and do!

If you know of students who might be interested, the application process can be found at https://ncteachingfellows.com/. The application submission deadline is January 16, 2018.

**NC State STEM Education Majors:**

Middle Grades Mathematics (with the option to add Science)

Middle Grades Science

High School Mathematics

- Concentrations: Computer Science, Mathematics, Statistics
- Dual Majors: Mathematics, Statistics

High School Science

- Concentrations: Biology, Chemistry, Earth Science, Physics

Technology, Engineering, and Design Education (Licensure Option, Grades 6 - 12)

Learn more at https://ced.ncsu.edu/teaching-fellows/

**2018 Harvard - MIT Summer Institute at MGH**

The Harvard – MIT Summer Institute at MGH is run by the Wellman Center for Photomedicine at Massachusetts General Hospital. During the summer, students attend the Biomedical Optics Lecture Series, work on a specific project in a lab at the main campus of MGH, and receive additional training in technical communications and responsible conduct of research.

The mentors in this program are academically demanding; they are looking for students with strong engineering, physics and biology backgrounds. We are
looking for a combination of academic excellence and diversity in our summer students. Underrepresented minority students are encouraged to apply. The lab descriptions on the website state more specific requirements for Biomedical Optics.

Complete applications include an application form, official transcripts from undergraduate institutions attended, and two letters of recommendation.

Students are required to attend the entire ten weeks (with rare exceptions made when school schedules or presentation opportunities are an issue), and must be U.S. citizens or permanent residents. Housing is provided in a Boston area dorm. Students may also receive a stipend for the summer, pending acceptance of an NSF Grant.

This program may be contacted by email to BioOpticsSummerInstitute@mgh.harvard.edu. Applications must be postmarked by: Saturday, January 13, 2018.

**NCI-sponsored Systems Biology and Physical Oncology Undergraduate Summer Research Opportunity**

The National Cancer Institute’s (NCI) Cancer Systems Biology Consortium and Physical Sciences in Oncology Network are offering rising Junior and Senior undergraduates with outstanding research potential the opportunity to work closely with faculty mentors from NCI-supported institutions for an 8-week summer fellowship. The 2017 summer research program is designed specifically for students to gain experience in the interdisciplinary fields of systems biology and physical oncology. Students who are especially interested in cancer research careers are encouraged to apply. Opportunities are available at 14 research institutions across the United States. Stipend, housing, and travel to and from the host institution are covered by NCI. Additionally, students will convene at the NIH in Bethesda, MD, mid-way through the summer to present their research and network with their peers.

Detailed information about the program and application instructions can be found at: https://ncifrederick.cancer.gov/SummerProgram/. The application deadline is February 16, 2018.
2018 Summer Research Opportunities

Applications are still open (until Feb. 2) for two summer research Sites (Nanotechnology-NanoSAFE REU and Chemistry REU, see below) to be held at West Virginia University (WVU) in summer 2018. Please feel free to forward this email to students, colleagues, and friends. Thank you!

Students from groups underrepresented within their disciplines (e.g., women, underrepresented minorities, students with disabilities), veterans of the U.S. Armed Forces, and students from socioeconomically depressed regions (e.g., Appalachia) are especially encouraged to apply to these programs. In addition, please encourage RISING SOPHOMORES with some advanced coursework to apply! Students apply separately to each program.

1. The 2018 NSF-funded REU Site: Research in Chemistry at West Virginia University (May 20-July 27, 2018) is now accepting applications from undergraduates who 1) are majoring in chemistry or biochemistry (pre-majors also considered), 2) are citizens, nationals, or permanent residents of the U.S. or its territories, and 3) are interested in a research and training experience akin to that of a graduate student. Selected participants spend 10-weeks researching on projects that address fundamental questions related to the chemistry of health and catalysis in chemistry. Projects focus on the potential of research to benefit society both directly and indirectly in the fields of health care, forensics/criminology, energy, sustainability, and transportation. Participant benefits include $5,000 stipend, lodging, meal expenses, and travel reimbursement to/from the Site. Offer may be made based upon early admission review of completed application. Regular review of completed applications will begin on Feb. 2, 2018. For more information and link to the online application, visit the Chemistry REU website at http://undergraduateresearch.wvu.edu/reu-site-research-in-chemistry-at-wvu. Questions? Contact the WVU Office of Undergraduate Research at undergradresearch@mail.wvu.edu.

2. The 2018 NSF-funded NanoSAFE REU at West Virginia University (May 21-July 27, 2018) centering on Design, Characterization, and Toxicity Assessment of Safe Advanced Performance Nanomaterials is now accepting applications from undergraduates who 1) are majoring in science, technology, and engineering 2) are citizens, nationals, or permanent
Residents of the U.S. or its territories, and 3) are interested in nanoscience research and a training experience akin to that of a graduate student. Selected participants spend 10-weeks working on research on projects that address fundamental questions related to multifunctional nanomaterials. REU participants are trained on research projects that support the design of safer and more effective nanoparticles that have been characterized and assessed for potential toxicity. The research activities focus on multifunctional nanomaterials and support improved material design with attention to properties that impact human and environmental health. Students have access to cutting-edge technology in nanolithography, nanotemplating, material self-assembly, electrochemistry, spectroscopy, microscopy, fluidics, and unique tools required to elucidate complex facets of nanotoxicity. Upon completing this REU experience, undergraduate students will actively contribute to innovative research that advances nanotechnology manufacturing. Students applying to this program have come from an array of disciplines (i.e., Chemistry, Biochemistry, Physics, Biology, Engineering, Health Sciences). Program benefits include $5,000 stipend, lodging, meal expenses, and travel reimbursement to/from the Site. Early Admission Review of COMPLETED REU applications will proceed on a rolling basis. Regular review will begin Feb 3, 2018 and end upon all spots being filled. For more information and link to the online application, visit the NanoSAFE REU website at http://undergraduateresearch.wvu.edu/nanosafereu Questions? Contact NanoSAFE at NanoSAFE@mail.wvu.edu

Both sites are funded by the National Science Foundation (NSF) with team building activities funded by the WVU Eberly College and Research Office. Both sites can be accessed at: https://undergraduateresearch.wvu.edu/research-experience-for-undergraduates-at-west-virginia-university.
Meeting of the Minds - Applications Now Accepted through 1/23/18

Meeting of the Minds

Click on the link above to learn more about this program and how to apply. Only 6 NC State UG Researchers will be selected to present their research at the 2018 ACC MoM. Deadline to apply is January 23rd.

“Each year, usually in late March or early April, 5-10 outstanding undergraduate researchers (accompanied by a faculty/staff member) from each ACC university gather at a host university to present their research, either verbally or as a poster. At most universities the student delegates are chosen through a refereeing process. To be invited to the conference is a real honor. Typically,

- The research is original, student directed, under the advisement of a faculty member.
- Abstracts of each research project are gathered in a conference brochure.
- Verbal presentations are grouped by broad subject matter categories. They involve 15 minutes of presentation followed by 5 minutes of discussion.
- Students presenting their research by poster typically “staff” their presentation and explain their research to other participants, both students and faculty.
- Plenary sessions involve both reflections on the importance of undergraduate research, highlights of research methodologies by distinguished faculty from the host university, and reflections on paths to graduate school and research careers.
- The conference begins with dinner on Friday and ends with lunch on Sunday.”

Alpha Omega Epsilon Recruitment

Alpha Omega Epsilon is professional engineering sorority that hosts events to develop your social present and shape your professional future. We are starting our Spring 2018 Recruitment and encourage all undergraduate women in the College of Engineering to come out to our events, listed on the calendar below. If you have any questions please email us at aoerecruitment@gmail.com
Counseling Center Drop-In Groups*

(Please see the flyer for more information)

Recruiting Tutors for Spring 2018

The Academic Support Program for Student-Athletes is looking to hire tutors for the spring 2018 semester. The job descriptions and the link for the applicants to apply are provided below. Please send this information to any students that you feel meet the criteria. Thanks for your time!

Link to Job Descriptions

Qualification for all positions:

Must have at least a 3.25 cumulative grade point average,

Demonstrate proficiency in coursework and/or have received a B+ or higher in the courses selected to tutor.

Must abide by North Carolina State University, NCAA and ASPSA rules and regulations.

Must be able to teach academic success strategies to a diverse student population in a one-on-one or small group setting. Must have the ability to effectively communicate verbally and have skills to develop written reports.

Must be attentive to detail and accurate in record keeping.

Ability to work a flexible schedule including nights and weekends.

Preference can be given to individuals who have tutoring experience or other educational qualifications.

Preference given to individuals who are a sophomore or higher standing.

Tutor Application for all subjects except for the tutoring lab positions below: (CHASS, Humanities, BIO, MEA, CH, PY, SSC, FS, ES, Accounting, Econ, Business, etc.)
Provide individual and small group tutoring to student-athletes within the Academic Skills Enhancement Program to enhance academic skills through teaching study skills and strategies, clarifying questions related to the content, and offer academic mentoring within ASPSA’s facilities throughout the academic year.

https://ncsu.qualtrics.com/jfe/form/SV_4MVRzKsu4ecD8ah

**Math Lab Tutor:**

The Academic Support Program for Student Athletes is looking to hire individuals who have completed their undergraduate degrees or have vast knowledge of mathematics to staff the ASPSA Math Lab. Individuals selected for this position will tutor courses in all areas of the undergraduate math curriculum. Tutors will need to be able to work with students in one-on-one settings as well as group settings. Tutors will need to be able to manage time in group settings and answer student questions in several different classes. Tutors will need to have strong communication skills and will need to differentiate instruction to a variety of student skill levels.

https://ncsu.qualtrics.com/SE/?SID=SV_beGEXmYQbf7SKtD

**Chemistry Lab Tutor:**

The Academic Support Program for Student Athletes is looking to hire individuals who have completed their undergraduate degrees or have vast knowledge of chemistry to staff the ASPSA Chemistry Lab. Individuals selected for this position will tutor courses in all areas of the undergraduate chemistry curriculum. Tutors will need to be able to work with students in one-on-one settings as well as group settings. Tutors will need to be able to manage time in group settings and answer student questions in several different classes. Tutors will need to have strong communication skills and will need to differentiate instruction to a variety of student skill levels.

https://ncsu.qualtrics.com/jfe/form/SV_dchbVI6UsO9JHkp

Any questions should be directed to Kristen Lee at aspsa-tutor@ncsu.edu.
Goodnight Scholars Program to Host Data Artist and National Geographic Fellow Jer Thorp for NC State Campus Lecture Series

‘Big data’ is more than numbers and formulas. Within each data point is a story about humanity and culture. National Geographic Fellow and data artist Jer Thorp helps us understand our evolving relationship with data by creating vibrant artwork using billions of data points that touch on everything from economic trends and ethics to social justice and technology. In his presentation “Living in Data” at NC State on 1/30 at 6:30 p.m., Jer will reveal what we could never see in big data, all with the quirky charm and enlightening intellect that has earned him acclaim as the most-respected data artist in America.
WORLD CLASS INSTITUTIONS

WEEKS OF MENTORED RESEARCH

TRIP TO WASHINGTON DC

The 2018 National Cancer Institute Systems Biology & Physical Sciences in Cancer Summer Research Program

Undergraduate students interested in solving complex problems in cancer through interdisciplinary research are encouraged to apply at https://ncifrederick.cancer.gov/SummerProgram/ by February 16, 2018.

Open to Rising Junior and Senior Undergraduates
Must be a US Citizen
$4000 Stipend + Free Housing
Support for Travel to/from Research Institution
Two-Day Research Conference at NIH in Bethesda, MD

SPONSORED BY THE NATIONAL CANCER INSTITUTE OF THE NIH
## Alpha Omega Epsilon

**Spring 2018 Recruitment**

For all events: meet at Witherspoon Cinema

*It doesn’t matter where you go, Alpha Omega Epsilon will always be home*

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@AOE_NCSU  @AOEatNCState  @AOE_NCSU  #WhyLoveAOE  AoeGamma.com  AlphaOmegaEpsilon.org
Spring 2018 Drop-In Groups

Join us for a range of groups and experiences that allow you to meet people and release stress. All groups run weekly on the days designated below.

No need to sign up!

INTERNATIONAL TEA TIME

Just show up, meet peers, learn other cultures, relax, and support each other. Tea and light snacks from around the world will be served. Open to all international and domestic students.

Multipurpose Room is located in Tower Hall next to the Pack Shop near Oval Dining, across from Hunt Library.

Mondays 3:00-5:00
Centennial Campus
Tower Hall at Wolf Ridge, Multipurpose Room

FREE EXPRESSION SESSIONS

Art is for everyone - not just the artists among us. Join this open community to learn about - and benefit from - how creative expression releases stress, clarifies thoughts and feelings, and develops connections to new ideas and people.

Wednesdays 4:00-5:30
Counseling Center, Main Campus
Room 2301

LEARN TO MEDITATE

Meditation has been shown to improve emotional management, concentration, energy, and self-esteem; it offers a calming perspective and clearer vision. Join experienced meditators and mental health clinicians and learn this ancient and timely practice.

Thursdays 4:45-5:30
Counseling Center, Main Campus, Room 2438

Wednesdays 4:30-5:15
Centennial Campus, Research II Bldg, Suite 100
The Goodnight Scholars Program Presents:

Jer Thorp

Living in Data

January 30, 6:30pm
Stewart Theater

Free Admission
Open to the Public