The American Physical Society is once again pleased to offer the APS Scholarship Program for Minority Undergraduate Physics Majors. This excellent, highly competitive scholarship program not only provides funding to students, but also a great deal of student support.

Please encourage all eligible students to apply right away using our online application and forward this announcement to your networks.

**Eligibility:** African Americans, Hispanic Americans, or Native Americans, High school seniors, college freshmen or sophomores (including transferring community college students), US citizens or permanent legal residents, Physics majors and those intending to major in physics.

**Award:** $2,000 for new students, and $3,000 for renewal students, A local physics mentor, An APS physics mentor

To Apply: www.aps.org/programs/minorities/honors/scholarship/ Questions: Email minorityscholarship@aps.org
2014 Nebraska Summer Research Program

Are your students looking for summer research opportunities? Please post, forward, or tell your students about the 2014 Nebraska Summer Research Program housed on the campus of the University of Nebraska-Lincoln. The program offers students an excellent opportunity to hone research skills and to experience life as a graduate student. Students will enhance their academic resume, work closely with faculty and peers, and have fun with social and professional development activities, all while receiving numerous benefits. Students historically underrepresented in graduate education are especially encouraged to apply. Due to funding restrictions, participation is limited to U.S. citizens or permanent residents. All programs for 2014 are listed at http://www.unl.edu/summerprogram and include projects in Applied Mathematics, Bioenergy Systems, Biomedical Engineering, Chemistry, Earth and Atmospheric Sciences/Water Resources, Minority Health Disparities, Nanohybrid Materials and Algal Biofuels, Redox Biology, and Virology. Our online application makes it easy for students to apply. Priority review of applications begins Friday, February 1 and all applications are due by Monday, February 17.

Summer Research Program in Biophysics

This 11-week program, hosted by the University of North Carolina at Chapel Hill, introduces undergraduate minority students, disadvantaged students and students with disabilities to the field of biophysics. The program includes lectures, seminars, lab work, team-building activities and field trips. The Summer Research Program is designed to reflect a graduate-level research program. Students who are US citizens or permanent residents and who have a strong quantitative background in basic or applied sciences are encouraged to apply. All tuition and fees during the Course are covered, and participants receive a stipend for living expenses throughout the summer. Further information and the application can be found at http://www.biophysics.org/ProfessionalDevelopment/Education/SummerResearchPrograminBiophysics/tabid/898/Default.aspx. The priority deadline is February 15. Please contact Ellen Mackall at emackall@biophysics.org or 240-290-5611 with any questions.

Spring 2014 of the Texas Sections of the American Physical Society

The Spring 2014 joint meeting of the Texas Sections of the American Physical Society and the American Association of Physics Teachers and Zone 13 of the Society of Physics Students will be held March 20-22 in Abilene, TX hosted by Abilene Christian University. Please visit the following links for further information:

Postdoctoral Associate, Biophysics, Cornell High-Energy Synchrotron Source

Deadline: March 31, 2014

The Macromolecular Diffraction Facility of the Cornell High-Energy Synchrotron Source (MacCHESS) has an opening for a Postdoctoral Associate to continue development of the pressure cryocooling method (Kim et al. Acta Cryst. D61, 881-890 (2005), Kim et al. J. Appl. Crystallog. 46, 234-241 (2013)) and to apply pressure cryocooling to areas such as trapping of intermediates in biochemical reactions, preparation of samples for diffraction and imaging experiments, and elucidation of the effects of pressure on macromolecular structure. A Ph.D. degree in structural biology, biophysics, or a related field is required. Experience in hands-on development of sample-handling methods is desirable, and experience working at a synchrotron source is a plus. In addition to pursuing his/her own study of pressure effects, the successful candidate will be expected to collaborate with research groups wishing to apply pressure cryocooling to their samples. Applications should be submitted at http://academicjobsonline.org/ (posting #3850) and should include a cover letter, a CV, a list of publications, a detailed summary of research experience and interests. Applicants must arrange to have at least three letters of recommendation uploaded, as per instruction on the academicjobsonline website. For information about the position, contact Dr. Marian Szebenyi at dms35@cornell.edu.
The 2014 REU program in Physics and Astronomy is contingent on funding by NSF. As a Participant in the 10 week program you will:

**Collaborate** on a research project with TCU faculty mentors, graduate students and other students. **Learn** about working in the aerospace industry through behind-the-scenes field trips. **Develop** skills in giving a research presentation. **Receive** a $5000 stipend, free housing on campus, travel support to/from TCU, field trips, access to library and recreation facilities, and paid travel expenses to a scientific conference to present your results.

**Research Opportunities**
- Atomic & Molecular Physics
- Bio-Physics
- Chemical Physics
- Laboratory Astrophysics
- Observational Astronomy
- Material Science
- Theoretical Modeling and Computer Simulation

**Application Deadline**
March 1, 2014 or until all positions are filled.

**Contact Information**
Dr. Peter Frinchaboy
TCU Department of Physics and Astronomy
p.Frinkchaboy@tcu.edu  phone: 817-257-6387

**Summer 2014 Program Tentative Dates**
May 27 through August 1, 2014

**FAQs**
**How hard is it to get in the program?**
The number of well-qualified applicants is about 15 times the number that can be accepted, so it is very competitive. It is wise to apply to a number of REU programs and hope to get accepted into one. Check out the NSF web site for information on all the REU programs: [http://www.nsf.gov/crsspgrm/reu/](http://www.nsf.gov/crsspgrm/reu/)

**What kind of preparation do I need to be competitive?**
For the TCU REU, you should have Modern Physics or Physics 3, but the preparation you need depends on the research area you want to work in. For example, C++ programing experience is useful if you want to work in the neuroscience simulation area, general chemistry is useful for some areas of material science research. We have accepted Freshmen into the program, but usually it is an advantage to be a junior. The TCU program is looking for students who have limited opportunity for state-of-the-art research at their home institution and who have not had previous REU experience. Of course, we encourage women and under-represented minorities to apply to the TCU program.

**What are some schools that participants have come from?**
Participants in the TCU program have come from such schools as Angelo State, Austin College, Baylor, Dowdoin, Drendeis, Centenary College LA, Harvey Mudd, Hendrix College, Houston Baptist, LeTourneau, Loyola Chicago, Mary Baldwin, Midwestern, Monmouth, New Mexico State, Oklahoma Baptist, Southwestern, Tarleton State, Trinity, U Michigan-Flint, UNorth Dakota, U Pittsburgh.

**How do I apply?**
You can apply online at the TCU REU website: [http://www.phys.tcu.edu/reu_program.asp](http://www.phys.tcu.edu/reu_program.asp). You will need to fill out an on-line form, send in a transcript, and ask two faculty to write recommendations. Most of the process can be done by email. We plan to make initial appointments in early March.