Digest of Items of Interest to the Caucus of Academic Reps – August 9, 2013

*General information about funding sources is always available at*
[http://www.amstat.org/careers/efs.cfm](http://www.amstat.org/careers/efs.cfm)

*Or for recent funding announcements first log in to the ASA web site then go to the ASA Funding Opportunities Community Web Page at:*
[http://community.amstat.org/Communities/ViewCommunities/CommunityDetails/?CommunityKey=9d40e82d-dba5-438f-bb36-ff4b73014edc](http://community.amstat.org/Communities/ViewCommunities/CommunityDetails/?CommunityKey=9d40e82d-dba5-438f-bb36-ff4b73014edc)

Funding opportunities:

- NSF Graduate Research Fellowship Program (GRFP)
- Research Experiences for Undergraduates (REU)

Position announcements:

- Tenure-line positions, Department of Mathematics and Statistics, American University

Other opportunities:

- Request for Information (RFI): Input on Development of Analysis Methods and Software for Big Data
- SAMSI's Undergraduate Workshop, October 24-25, 2013

Funding opportunities

NSF Graduate Research Fellowship Program (GRFP)


The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports outstanding graduate students who are pursuing research-based master's and doctoral degrees in fields within NSF's mission. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant achievements in science and engineering research.
Research Experiences for Undergraduates (REU)


The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department or may offer interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. (2) REU Supplements may be included as a component of proposals for new or renewal NSF grants or cooperative agreements or may be requested for ongoing NSF-funded research projects.

Undergraduate student participants in either REU Sites or REU Supplements must be U.S. citizens, U.S. nationals, or permanent residents of the United States.

Students do not apply to NSF to participate in REU activities. Students apply directly to REU Sites or to NSF-funded investigators who receive REU Supplements. To identify appropriate REU Sites, students should consult the directory of active REU Sites on the Web at [http://www.nsf.gov/crssprgm/reu/reu_search.cfm](http://www.nsf.gov/crssprgm/reu/reu_search.cfm).

Position announcements

Tenure-line positions, Department of Mathematics and Statistics, American University

The Department of Mathematics and Statistics at American University (Washington, DC) invites applications for two full-time, tenure-line positions, beginning in August 2014, in either mathematics or statistics. One position is at the Assistant Professor level. The other, the David Carroll Professorship, is at the rank of Associate or Full Professor. Depending on qualifications, the appointee to the latter position may be recommended for tenure at the time of hiring.

An ideal candidate will have facility with computation, and can identify specific prospects for on-campus collaboration, possibly interdepartmental. We are particularly interested in candidates who can assist colleagues who need to deal with data sets that are too large, distributed, or heterogeneous to be amenable to traditional methods of analysis. From a mathematician, we also seek a research program with deep roots in mathematics. From a statistician, we seek a familiarity with Bayesian modeling. We are open to researchers who ignore traditional disciplinary boundaries.
Applicants must have a PhD in a relevant discipline. Teaching and post-doctoral experience are preferred. Responsibilities include: establishing an internationally recognized research program, preferably one that can involve undergraduate research participation; teaching and curriculum development; and service to the department and to the wider university.

American University’s areas of long-time strength and recent investment include computational and behavioral neuroscience, environmental science, public health, persuasive gaming, metropolitan studies, economics, international relations, public affairs, and business.

Applicants should submit a cover letter explaining how they fit the criteria above. In addition, they should submit a curriculum vitae, teaching statement, and research statement, and applicants must arrange for at least three letters of recommendation, at least one of which should address teaching ability, to be sent directly to the search committee. Materials can be submitted online (highly preferred) at mathjobs.org, or via email to Linda Greene at lgreene@american.edu, or in hard copy to Search Committee, Department of Mathematics and Statistics, American University, Washington, DC 20016-8050. Applications received by December 1, 2013 will receive full consideration.

American University is an EEO/AA institution, committed to a diverse faculty, staff, and student body. Women and minority candidates are strongly encouraged to apply. American University offers employee benefits to same-sex domestic partners of employees and prohibits discrimination on the basis of sexual orientation/preference and gender identity/expression.

Other opportunities

Request for Information (RFI): Input on Development of Analysis Methods and Software for Big Data


Notice Number: NOT-HG-13-014

Key Dates
Release Date: August 8, 2013
Response Due Date: September 6, 2013

Issued by National Human Genome Research Institute (NHGRI)

This Request for Information (RFI) is to solicit comments and ideas for the development of analysis methods and software tools, as part of the overall Big Data to Knowledge (BD2K) Initiative. Specifically, this RFI solicits input on needs for software and analysis methods related to data compression/reduction, data visualization, data provenance, and data wrangling.
SAMSI's Undergraduate Workshop, October 24-25, 2013

As part of its Education and Outreach Program for 2013-2014, the Statistical and Applied Mathematical Sciences Institute (SAMSI) will offer a two-day undergraduate workshop on topics of current interest in statistics and applied mathematics. In addition to an overview of current and planned SAMSI Research Programs, the program topic Computational Methods in Social Sciences (CMSS) will be covered in some depth.

Application Information:  http://www.samsi.info/UGF13
Location: SAMSI, Research Triangle Park, NC
Questions: ugworkshop@samsi.info

This workshop is part of SAMSI's Education and Outreach program:
http://www.samsi.info/programs/2012-13-education-and-outreach-program