Digest of Items of Interest to the Caucus of Academic Reps – August 30, 2013

Funding Opportunities:

- NSF Focused Research Groups in the Mathematical Sciences (FRG)
- NSF: Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS/NIGMS)

Position/Fellowship/Internship Announcements:

- Notre Dame: Assistant, Associate or Full Professor of Statistics
- Carnegie Mellon Positions
- NSF: Dear Colleague letter for sustainability fellowship opportunities at NOAA
- OSTP Internship Program - Spring 2014
- NSF Graduate Research Fellowships

Conferences/Workshops:

- Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys, and Big Data

Funding Opportunities:

National Science Foundation, Division of Mathematical Sciences
Focused Research Groups in the Mathematical Sciences (FRG)

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PROGRAM GUIDELINES

Solicitation 12566


Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), NSF 13-1, was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in NSF 13-1 may apply to proposals submitted in response to this funding opportunity.
Please be aware that significant changes have been made to the PAPPG to implement revised merit review criteria based on the National Science Board (NSB) report, *National Science Foundation’s Merit Review Criteria: Review and Revisions*. While the two merit review criteria remain unchanged (Intellectual Merit and Broader Impacts), guidance has been provided to clarify and improve the function of the criteria. Changes will affect the project summary and project description sections of proposals. Annual and final reports also will be affected.

**DUE DATES**
Full Proposal Deadline Date: September 20, 2013
Third Friday in September, Annually Thereafter

**SYNOPSIS**
The purpose of the FRG activity is to allow groups of researchers to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. Groups may include, in addition to mathematicians and statisticians, researchers from other science and engineering disciplines appropriate to the proposed research. The activity supports projects for which the collective effort by a group of researchers is necessary to reach the scientific goals. Projects should be scientifically focused and well-delineated. It is not the intent of this activity to provide general support for infrastructure. Projects should also be timely, limited in duration to up to three years, and substantial in their scope and impact.

*National Science Foundation, Division of Mathematical Sciences*
Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS/NIGMS)

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**PROGRAM GUIDELINES**
Solicitation 13-570

**Important Notice to Proposers**
A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), NSF 13-1, was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in NSF 13-1 may apply to proposals submitted in response to this funding opportunity.

Please be aware that significant changes have been made to the PAPPG to implement revised merit review criteria based on the National Science Board (NSB) report, *National Science Foundation’s Merit Review Criteria: Review and Revisions*. While the two merit review criteria remain unchanged (Intellectual Merit and Broader Impacts), guidance has been provided to clarify and improve the
function of the criteria. Changes will affect the project summary and project description sections of proposals. Annual and final reports also will be affected.
A by-chapter summary of this and other significant changes is provided at the beginning of both the Grant Proposal Guide and the Award & Administration Guide.

DUE DATES
Full Proposal Deadline Date: September 23, 2013

SYNOPSIS
The Division of Mathematical Sciences in the Directorate for Mathematical and Physical Sciences at the National Science Foundation and the National Institute of General Medical Sciences at the National Institutes of Health plan to support research in mathematics and statistics on questions in the biological and biomedical sciences. Both agencies recognize the need and urgency for promoting research at the interface between the mathematical sciences and the life sciences. This competition is designed to encourage new collaborations, as well as to support existing ones.

Position/Fellowship/Internship Announcements:

Assistant, Associate or Full Professor of Statistics

The University of Notre Dame has committed six new faculty positions to the Department of Applied and Computational Mathematics and Statistics (ACMS) to be filled over the next three years. Positions at both the junior and senior level are available. At this time we especially seek a statistician at the tenured level in any area of research that builds on our existing activities. Preference will be given to applicants whose statistical research includes multi-disciplinary collaborations.

ACMS includes research groups in applied mathematics, statistics and computational science. The current eleven faculty members have research interests in Bayesian statistics, statistical bioinformatics and high-dimensional data, finance, statistics in networks and Big Data, multiscale modeling of blood clotting and biofilms, mathematical modeling in cell biology and tumor growth, MEMS, and numerical and computational algorithms. ACMS offers a Bachelor of Science, a doctoral degree, a research masters degree and a professional masters degree. ACMS is a member of the College of Science.

The successful applicant must have a doctorate in statistics, biostatistics or a closely related field, and a record of success in both research and teaching. The teaching load in ACMS is 3 courses per year, and the position begins in August 2014. Applications received by December 1, 2013 will be given full consideration.

Applications, including a cover letter, curriculum vitae and research and teaching statements, should be filed through MathJobs (www.MathJobs.org). Applicants should also arrange for at least three letters of recommendation to be submitted through the MathJobs system. These letters should address the applicant's research accomplishments and supply evidence that the applicant has the ability to communicate articulately and teach effectively. Senior faculty are invited to contact the Department
Chair, Steven Buechler, at buechler.1@nd.edu, at any time.

Notre Dame is an equal opportunity employer, and we particularly welcome applications from women and minority candidates.

**Carnegie Mellon Positions**

1. Tenure-track/Visiting Position

Applications are invited for possible tenure-track and visiting positions. Carnegie Mellon offers a collegial faculty environment, emphasizing a combination of disciplinary and cross-disciplinary research and teaching. All areas of statistics are welcome, and joint appointments with other units in the Pittsburgh area are possible. We especially encourage women and minorities to apply. Details at [http://www.stat.cmu.edu](http://www.stat.cmu.edu) (email: hiring@stat.cmu.edu). Application screening begins immediately and continues until positions closed. Send CV, research papers, relevant transcripts and three letters of recommendation to: Chair, Faculty Search Committee, Department of Statistics, Carnegie Mellon University, Pittsburgh, PA 15213, USA. AA/EOE.

2. Qatar Teaching Position

Applications are invited for a teaching-track faculty position at Carnegie Mellon Qatar in Education City, Doha. This position emphasizes undergraduate teaching primarily, but also involves a combination of course development and/or research. All areas of statistics are welcome. See [http://www.stat.cmu.edu](http://www.stat.cmu.edu) (email: hiring@stat.cmu.edu). Send CV, relevant transcripts, teaching statement, and three recommendation letters to: Search Committee, Statistics, Carnegie Mellon University, Pittsburgh, PA 15213 or hiring@stat.cmu.edu. Women and minorities are encouraged to apply. AA/EOE.

3. Teaching Professor Position

Applications are invited for the position of Teaching Professor, rank (Assistant, Associate or Full) to be determined. The Department of Statistics, Carnegie Mellon University is seeking a passionate, master teacher to contribute to our thriving, modern undergraduate and graduate programs. The successful candidate will be expected to have a strong and successful teaching record, demonstrate excellence in statistical pedagogy, and an active research agenda. This position emphasizes teaching, student advising,
curriculum development, and supervising collaborative research projects. PhD in statistics, biostatistics or related area required. See http://www.stat.cmu.edu or email hiring@stat.cmu.edu for more details. Send CV, relevant transcripts, teaching and research statements, and three recommendation letters to: Teaching Faculty Search Committee, Statistics, Carnegie Mellon University, Pittsburgh, PA 15213, USA or hiring@stat.cmu.edu. Application screening begins immediately, continues until positions closed. Women and minorities are encouraged to apply. AA/EOE.

Dear Colleague Letter: NSF/NOAA SEES Fellows
Date: August 21, 2013
Dear Colleague:
Achieving a sustainable future in the face of both gradual and abrupt global change is one of the most significant challenges facing humanity. National Science Foundation's (NSF) Science, Engineering, and Education for Sustainability (SEES) activities support interdisciplinary research and education needed to overcome the barriers to sustainable human well-being. The purpose of this Dear Colleague Letter is to alert social, behavioral, and economic scientists of an opportunity to broaden their core expertise through residence at a National Oceanic and Atmospheric Administration (NOAA) facility. This Fellowship provides a unique opportunity for interdisciplinary research collaboration between Social, Behavioral and Economic (SBE) scientists and NOAA scientists and decision makers. NOAA has indicated it would welcome SBE scientists to be based in any of their program offices, centers and laboratories through the NSF Program on Science, Engineering, and Education for Sustainability Fellows (SEES Fellows: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504673). This solicitation requires that applicants develop a plan for a research partnership. NSF and NOAA believe that NOAA program offices, centers, and laboratories, which are based throughout the country, provide an opportunity for such partnerships between SBE scientists and NOAA staff. Although there is no set-aside, as proposals to reside at NOAA facilities must compete with all the other proposals, the willingness of NOAA administrators to work with SBE scientists should enable SBE scholars to develop strong proposals. This opportunity is open to early-career scholars. Awards provide salary support, research expenses and travel support for a maximum of 3 years. Proposals are due November 21, 2013. Potentially interested applicants are urged to first review the NSF solicitation on Science, Engineering and Education for Sustainability Fellows (SEES Fellows: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504673) and then to consult Dr. Leah Bunce Karrer, NOAA Deputy Chief Economist (leah.karrer@noaa.gov) at NOAA in order to identify potential opportunities at NOAA. Proposals will ultimately be submitted by the scholar to the SEES Fellows competition at the NSF. Questions about this Dear Colleague Letter or other NSF-specific issues can be addressed to Dr. Robert O'Connor (roconnor@nsf.gov).
Sincerely,
Dr. Joanne Tornow
Acting Assistant Director
Directorate for Social, Behavioral, and Economic Sciences
National Science Foundation
OSTP Internship Program - Spring 2014

Dear All:
The Office of Science and Technology Policy is currently accepting applications for its Spring 2014 Internship Program. The application deadline is 11:59pm Friday, October 4, 2013. Students who are U.S. citizens and who will be actively enrolled during the Spring 2014 semester are welcome to apply.

More information and application instructions are available at http://www.whitehouse.gov/ostp/about/student/.

About OSTP. The Office of Science and Technology Policy advises the President on the effects of science and technology on domestic and international affairs. The office serves as a source of scientific and technological analysis and judgment for the President with respect to major policies, plans and programs of the Federal Government.

About the Internship Program. Interns are accepted for one of three annual terms (Spring, Summer, or Fall), which each last no more than 90 days. While these positions are without compensation, the assignments provide educational enrichment, practical work experience, and network opportunities with other individuals in the science and technology policy arena.

For questions, please contact Rebecca Grimm rgrimm@ostp.eop.gov.

NSF Graduate Research Fellowships

NSF Graduate Research Fellowships are due in early November: http://www.nsfgrfp.org/
Also see the related Amstat News piece: http://magazine.amstat.org/blog/2012/10/01/masters-oct-12/ and some Q&A’s with current/recent fellows are coming in the October Amstat News.

Conferences/Workshops:

Conference: Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys, and Big Data

In honor of Professor Malay Ghosh and his profound contribution to diverse areas of statistics, a conference entitled “Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys, and Big Data” will be held at The Marriott Inn & Conference Center, Hyattsville, Maryland in the University of Maryland College Park Campus on May 29-31, 2014. The conference is jointly sponsored by the Joint Program in Survey Methodology (JPSM) and the Washington Statistical Society (WSS) of the American Statistical Association. The conference will feature many distinguished plenary speakers and young researchers, while showcasing cutting-edge research in areas of statistics where Professor Ghosh’s work has made a significant impact. For more information please visit the conference website (http://www.jointprogram.umd.edu/ghosh/).
PLAN TO JOIN US AT THE 2014 CONFERENCE

FRONTIERS OF HIERARCHICAL MODELING
IN OBSERVATIONAL STUDIES, COMPLEX SURVEYS, AND BIG DATA

TO HONOR PROFESSOR MALAY GHOSH ON HIS 70TH BIRTHDAY

Students, faculty, and statistical practitioners are invited to attend this meeting. There will be plenary, invited, contributed, and poster sessions covering a wide range of topics. Student paper/poster competitions will also be part of the conference. Please visit the conference website http://www.jointprogram.umd.edu/ghosh/ for details.

Location: Marriott Inn and Conference Center, University of Maryland at College Park, Maryland, USA 20740

Time: May 29 (Thursday) – May 31 (Saturday), 2014

Sponsors: Joint Program in Survey Methodology (JPSM), Washington Statistical Society (WSS), and Institute of Mathematical Statistics (IMS)

Special Notes: University of Maryland at College Park is located within the Washington, D.C. metropolitan area, about 30 miles south of Baltimore-Washington International (BWI) Airport in Baltimore, Maryland, 10 miles northeast of Ronald Reagan Washington National (DCA) Airport in Washington, D.C., 40 miles east of Washington Dulles International (IAD) Airport in Sterling, Virginia, and surrounded by various federal agencies, universities, and industries. If flying, be sure to book flights early!