Table of Contents

Positions: (see all the latest jobs on the ASA Job Web)

(1) University of Idaho: Postdoc opportunity synthesizing Alaskan seabird monitoring data
(2) Urban Big Data Centre, Glasgow UK: two research associate positions
(3) Stanford University: Lead biostatistician
(4) Duke University: Post doc
(5) Medical University of South Carolina: Research Associate
(6) National Center for Research on Gifted Education, Neag School of Education, University of Connecticut: Research Associate (PhD required)

Funding: Visit the ASA’s Funding Opportunities Community for recent past information. (You’ll need to log in to ASA Members Only.)

(1) NIH BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain (R01)
(2) NSF: two education research solicitations
(3) NSF Graduate Research Fellowships

Other opportunities or information:

(1) BASS XXII

Positions

(1) University of Idaho: Postdoc opportunity synthesizing Alaskan seabird monitoring data

The project is focused on synthesizing multiple decades of multi-species seabird nesting colony data from multiple colonies across the Aleutian Archipelago, Pribilof Islands, and possibly other Bering Sea, Chukchi sea, and Gulf of Alaska locations.

Primary responsibilities will be to statistically evaluate 4 decades of monitoring data; acquire relevant environmental variables portrayed in a GIS; develop quantitative models for analyzing annual rates of change for individual species in colonies and metapopulations distributed over large landscapes encompassing multiple colonies; apply these models to previously collected monitoring data; and write reports and manuscripts for publication in the peer-reviewed literature.
For more information: [https://uidaho.peopleadmin.com/postings/10276](https://uidaho.peopleadmin.com/postings/10276)

Application reviewing will begin 19 August and continue until the position is filled.

**(2) Urban Big Data Centre, Glasgow UK: two research associate positions**

The Urban Big Data Centre is funded by UK’s Economic and Social Research Council to promote the use of innovative methods and complex urban data to address urban challenges. It brings together the expertise of urban planners, other urban social scientists, data scientists and statisticians from the University of Glasgow and six partner universities (universities of Edinburgh, Bristol, Cambridge, Reading, Sheffield and Illinois-Chicago). It supports policy makers, businesses, third sector organisations and everyday citizens to harness the potential of big data for environmentally sustainable, economically resilient and socially just cities. UBDC runs a data service to support researchers to carry out urban research.

We are seeking to recruit for two positions. The closing date for applications is Sunday, 16th August 2015. For more details on how to apply, please visit: [http://ubdc.ac.uk/blog/2015/july/new-vacancies-research-associates/](http://ubdc.ac.uk/blog/2015/july/new-vacancies-research-associates/)

**Research Associate - Urban Indicators Project (010257):** The Research Associate in Urban Indicators will play a leading role in the quantitative modelling of urban systems in the Urban Big Data Centre (UBDC), within the School of Social and Political Sciences in the College of Social Sciences and School of Mathematics and Statistics in the College of Science and Engineering. The position will also require working as part of a team within UBDC to create innovative data products, particularly an ambitious urban indicators database, and the modelling, data manipulation, visualisation and research support work entailed with regards to a variety of problems such as uncertainty modelling, small-area estimation, and fusion of heterogeneous data at different spatial and temporal scales. It will also require the capacity to act with a degree of independence to determine the direction of the research project as opportunities allow. The ideal candidate would have experience working with urban geospatial data (environmental, transport, housing, and other areas) and GIS. A PhD or equivalent in Statistics, Urban Modelling and Analysis, GIScience or Computing Science, is required.

**Research Associate - Statistical Linkage, Uncertainty and Inference (010740):** This Research Associate position is expected to make a leading contribution to the research agenda of the UBDC by carrying out research on statistical linkage, uncertainty and inference in a complex urban data environment. The successful candidate will work on the School of Mathematics and Statistics’ project within UBDC, and will also be expected to contribute to the formulation and submission of research publications and research proposals and to assist in managing and directing this complex and challenging project. A PhD or equivalent in Statistics, awarded or soon to be so, is required.
Stanford University: Lead Biostatistician

The Quantitative Sciences Unit in the Department of Medicine at Stanford University is seeking a highly motivated, hard-working and professional Lead Biostatistician to join their team. The successful candidate will join a vibrant team of academic statisticians working on a wide variety of collaborative projects in medicine.

Duties include:

- Take the statistical lead on studies including; designing the study, the analysis plan and carrying out the statistical programming and data management to implement the plan.
- Oversee junior-level biostatisticians on data cleaning and creation of analytic files and mentor junior-level biostatisticians in the area of conducting collaborative research.
- Lead statistical projects related to collaborations on topics including the evaluation of statistical software or methods as well as the development of novel methods, as is relevant and necessary for QSU collaborative projects.
- Consult with investigators in the Department of Medicine to independently design studies and develop analysis plans. More specifically, the incumbent will meet one-on-one with the collaborator to gain background on the study and the research questions and help to refine the questions and formulate the hypotheses. The incumbent will also extract necessary information to design the study with optimal operating characteristics and to develop a sound statistical plan.
- Develop oral and written dissemination of findings for meetings with collaborators or for medical and/or statistical journal articles. The incumbent is also expected to develop lectures on statistical methods or statistical programming for the training of clinical investigators as needed and for the training of junior biostatisticians. In addition, the incumbent will participate in developing and writing grant proposals.

Qualifications

REQUIRED:

- Ph.D. in Biostatistics, Statistics, or related field
- Capable of functioning independently and collaboratively at an advanced level under the overall direction of the Principal Investigator.
- Experience with multiple statistical programming languages such as SAS and R
- Outstanding oral and written communication skills with the ability to communicate technical information to all audiences
- Skilled in descriptive analysis, modeling of data, and graphic interfaces
- Demonstrated expertise in statistical methodology
DESIRED:

- At least two years of experience collaborating as a biostatistician is desirable.
- Certification in SAS
- Experience supervising technical staff including training, mentoring and coaching.
- Experience developing and writing grant proposals.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty and academic staff. It welcomes nominations of and applications from women and members of minority groups, as well as others who would bring additional dimensions to the University’s research, teaching and clinical missions.

You can apply online by clicking on the following link:


(4) Duke University: Post doc

The Department of Biostatistics and Bioinformatics at Duke University Medical Center is seeking a Postdoctoral Associate for at least 1 year appointment to work on several high-dimensional research projects. The specific goals of the project are to identify genes or molecular markers that are predictive of clinical outcomes in renal and prostate cancer.

Candidates must have: a PhD degree in statistics, biostatistics or bioinformatics, extensive experience in analyzing high-dimensional data (microarray, SNP, CNVs) and of validation approaches. The applicant must have excellent communication (verbal and written) and teamwork skills, strong programming skills with proficiency in UNIX/Linux system. Experience with computational programming such as R and/or C is also required.

This position is available immediately and will be filled as soon as possible. Appointment could be extended beyond the first year based on additional funding. For more information about the Department of Biostatistics and Bioinformatics, please visit the website: http://www.biostat.duke.edu.

Interested applicants should submit application materials (cover letter, CV, statement of research interests, and the contact information for at least three references) using the following link: https://academicjobsonline.org/ajo/jobs/.

Duke University is an Equal Opportunity/Affirmative Action Employer.

(5) Medical University of South Carolina: Research Associate
The Department of Public Health Sciences at the Medical University of South Carolina invites applications for a Research Associate, a faculty-level position within the Data Coordination Unit (www.dcu.musc.edu). This position is for biostatisticians with research and professional employment experience in medical research and a Masters degree in biostatistics, applied statistics or related fields.

The Research Associate position participates on the study team and provides statistical support which may include reviewing protocol drafts, assisting the protocol lead statistician in the design of appropriate analyses, participating in data cleaning and validation of statistical analyses and programs and developing derived data sets as well as interim and final statistical reports of clinical studies. Candidates with interest and ability in statistical programming and an attention for detail are encouraged to apply.

Candidates should have a minimum of 1 year work experience in statistical report generation and data analysis. Experience with clinical trial design and analysis is highly desired. The candidate must be able to work independently, have experience and ability in computer-oriented data analysis, and be proficient in SAS.

Interested applicants should send statement of research interests and curriculum vitae to:

Renee' Hebert Martin, PhD
Associate Professor of Biostatistics
DCU Associate Director of Biostatistics
Medical University of South Carolina
135 Cannon Street
PO Box 250835
Charleston, SC 29403
e-mail: hebertrl@musc.edu

(6) National Center for Research on Gifted Education, Neag School of Education, University of Connecticut: Research Associate (PhD required)

https://hcmprodweb.psoft.uconn.edu/psp/HRPRCGA/EMPLOYEE/HRMS/c/HRS_HRAM_HRS_CE.GBL?Page=HRS_CE_HM_PRE&Action=A&SiteId=1

The National Center for Research on Gifted Education (http://ncrge.uconn.edu) is seeking a quantitative researcher for a PhD level Research Associate position. The person in this position will work with The National Center for Research on Gifted Education and will supervise, plan, design, manage, and implement research and data analysis of a highly complex nature. Research Associates should have a PhD in education, statistics, psychology, or related field. Candidates should have a high level of expertise in one or more of the following areas: quantitative research methods, multilevel modeling, and/or longitudinal analyses of student growth data. In addition, candidates should have strong data management skills and a high degree of proficiency
with one or more statistical software packages (e.g., SPSS, SAS, Stata, R). Candidates should also have experience preparing oral and written reports of research findings.

Minimum Qualifications

- PhD in education, statistics, psychology, or a related area
- Extensive experience with data management and data analysis
- High degree of proficiency with one or more statistical software packages (e.g., SPSS, SAS, Stata, R)
- High level of expertise in one or more of the following areas: quantitative research methods, multilevel modeling, and/or longitudinal analyses of student growth data
- Strong written and verbal communications skills

Preferred Qualifications

- High level of expertise with multilevel modeling
- Experience managing and conducting analyses using large scale databases
- Extensive experience conducting secondary data analyses
- High level of expertise with longitudinal analysis
- Experience preparing written reports of research findings
- Some training and background in qualitative research and/or program evaluation

Appointment Terms

This is a full-time, end-date, 12-month position with an anticipated start date of October 1, 2015. The position may be renewed yearly based on funding. The successful candidate’s appointment will be at the Storrs campus with the possibility of national travel. Salary will be commensurate with qualifications and experience.

To Apply

To apply, complete an online application, attach a cover letter, curriculum vitae, and contact information for three references). For questions about the position, please contact Dr. Del Siegle at del.siegle@uconn.edu.

Applications are due by September 1, 2015. To apply, please go to https://hcmprodweb.psoft.uconn.edu/psp/HRPRCGA/EMPLOYEE/HRMS/c/HRS_HRAM_HRS_CE.GBL?Page=HRS_CE_HM_PRE&Action=A&SiteId=1

Evaluation of applicants will begin immediately. For more information regarding the National Center for Research on Gifted Education, please visit the website at http://ncrge.uconn.edu/. Employment of the successful candidate will be contingent upon the successful completion of a pre-employment criminal background check.

(Search #2016040)
This job posting is scheduled to be removed at 11:59 p.m. Eastern time on September 1, 2015.

All employees are subject to adherence to the State Code of Ethics which may be found at http://www.ct.gov/ethics/site/default.asp.

Job description and application can be found at https://hcmprodweb.psoft.uconn.edu/psp/HRPRCGA/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_HM_PRE&Action=A&SiteId=1

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**Funding**

(1) NIH BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain (R01)


Letter of Intent Due Date(s)

September 21, 2015

Application Due Date(s)

October 21, 2015, by 5:00 PM local time of applicant organization.

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

The Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative is aimed at revolutionizing our understanding of the human brain. By accelerating the development and application of innovative technologies, researchers will be able to produce a new dynamic picture of the brain that, for the first time, shows how individual cells and complex neural circuits interact in both time and space. It is expected that the application of these new tools and technologies will ultimately lead to new ways to treat, cure, and even prevent brain disorders.

NIH is one of several federal agencies involved in the BRAIN Initiative. Planning for the NIH component of the BRAIN Initiative is guided by the long-term scientific plan, "BRAIN 2025: A Scientific Vision," which details seven high-priority research areas and
calls for a sustained federal commitment of $4.5 billion over 12 years. This FOA and other BRAIN Initiative FOAs are based on careful consideration by the NIH of the recommendations of the BRAIN 2025 Report, and input from the NIH BRAIN Multi-Council Working Group.

In addition to the national BRAIN Initiative, the NIH continues to have a substantial annual investment in neuroscience research. The Institutes and Centers contributing to the NIH BRAIN Initiative support those research efforts through applications received via parent announcements as well as through specific FOAs. Potential applicants to this FOA are strongly encouraged to contact the Scientific/Research Contact if they have any questions about the best funding opportunity announcement for their research.

To enable progress in development of new technologies as well as in theory and data analysis, the BRAIN Initiative encourages collaborations between neurobiologists and scientists from statistics, physics, mathematics, engineering, and computer science, and NIH welcomes applications from investigators in these disciplines.

NIH encourages BRAIN Initiative applications from groups that are underrepresented in the biomedical, behavioral, or clinical research workforce (see data at http://www.nsf.gov/statistics/showpub.cfm?TopID=2&SubID=27 and the most recent report on Women, Minorities, and Persons with Disabilities in Science and Engineering). Such individuals include those from underrepresented racial and ethnic groups, those with disabilities, and those from disadvantaged backgrounds.

(2) NSF: two education research solicitations

Program Title: Discovery Research PreK-12 (DRK-12)


Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

December 07, 2015

Synopsis of Program: The Discovery Research PreK-12 program (DRK-12) seeks to significantly enhance the learning and teaching of science, technology, engineering and mathematics (STEM) by PreK-12 students and teachers, through research and development of STEM education innovations and approaches. Projects in the DRK-12 program build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical justification for proposed projects. Projects should result in research-informed and field-tested outcomes and products that inform teaching and learning. Teachers and students who participate in DRK-12 studies are expected to enhance their understanding and use of STEM content, practices and skills.
DRK-12 invites proposals that address immediate challenges that are facing preK-12 STEM education as well as those that anticipate radically different structures and functions of preK-12 teaching and learning. The DRK-12 program has three major research and development strands: (1) Assessment; (2) Learning; and (3) Teaching. The program recognizes the synergy among the three strands and that there is some overlap among them. However, PIs should identify a clear focus of the proposed research efforts (i.e., assessment, learning, or teaching) consistent with the proposal’s main objectives and research questions. The program supports five types of projects: (1) Exploratory, (2) Design and Development, (3) Impact, (4) Implementation and Improvement, and (5) Conferences and Syntheses. All five types of projects apply to each of the three DRK-12 strands.

Program Title: Advancing Informal STEM Learning (AISL)


Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

November 04, 2015

Synopsis of Program: The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning opportunities for the public in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; and advance innovative research on and assessment of STEM learning in informal environments.

The AISL program supports seven types of projects: (1) Collaborative Planning, (2) Exploratory Pathways, (3) Research in Service to Practice, (4) Innovations in Development, (5) Broad Implementation, (6) Conferences, and (7) Informal STEM Learning Resource Center (FY 2016 only).

(3) NSF Graduate Research Fellowships

Dear Colleagues,

Please forward this message to senior undergraduate students, incoming graduate students, and students in the first year of graduate study.

An updated program solicitation for the NSF Graduate Research Fellowship Program is now available. Details are available at the web site

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6201
Full Proposal Deadline Dates:

* October 30, 2015 for Mathematical Sciences; Physics and Astronomy; Chemistry
* October 29, 2015 for Psychology; Social Sciences; STEM Education and Learning
* October 27, 2015 for Computer and Information Science and Engineering; Engineering; Materials Research
* October 26, 2015 for Geosciences; Life Sciences

Please also see the additional information at

https://www.nsfgrfp.org

All eligible students are sincerely encouraged to apply.

Program Synopsis:

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 science, technology, engineering, and mathematics (STEM) and in STEM education. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant research achievements in STEM and STEM education. NSF especially encourages women, members of underrepresented minority groups, persons with disabilities, and veterans to apply. NSF also encourages undergraduate seniors to apply.

Other opportunities or information

(1) BASS XXII

Register Now for BASS XXII

BASS XXII will be held Nov. 2-6, 2015 at the Holiday Inn Crowne Plaza, 3 Research Blvd., Rockville, MD. As usual, we have a great mix of biopharmaceutical and regulatory topics and faculty.

The Biopharmaceutical Applied Statistics Symposium (BASS) provides (1) a forum for pharmaceutical and medical researchers and regulators to share timely information
concerning the application of biostatistics in pharmaceutical environments; and (2) funding to support graduate studies in Biostatistics.

Please visit BASS XXII | 22nd Annual Biopharmaceutical Applied Statistics Symposium to view in detail the program and registration options.

Please note that you must register for BASS (from the website) and register with the Hotel separately requesting the BASS Rate (see info from website).

Should you have questions, please contact Karl Peace (peacekarl@frontier.com), Ruth Whitworth (rewhitworth@georgiasouthern.edu), or Andreas Sashegyi (sashegyi_andreas@lilly.com)