Table of Contents

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

(1) University of Wisconsin School of Medicine & Public Health, Department of Biostatistics & Medical Informatics: multiple positions (open rank)
(2) University of Florida, Department of Statistics: open rank faculty position
(3) Fox Chase Cancer Center, Biostatistics and Bioinformatics Group: faculty position in biostatistics
(4) Virginia Tech Department of Statistics: multiple faculty positions
(5) University of Wisconsin-Madison: postdoctoral positions
(6) UC Irvine Statistics - Midcareer Professor Hiring Initiative
(7) Colorado School of Mines, Department of Applied Mathematics and Statistics: open rank faculty position
(8) UCSD School of Medicine: open rank positions in biostatistics
(9) UCSD Division of Biostatistics and Bioinformatics: Funded spots in PhD program in biostatistics
(10) University of California, Davis, Department of statistics: faculty position in statistics
(11) Emory University Rollins School of Public Health, Department of Biostatistics and Bioinformatics: open rank faculty positions
(12) University of Illinois at Urbana-Champaign, Department of Statistics: open rank faculty position in data science
(13) University of Chicago, Department of Statistics: assistant professor
(14) University of Michigan, Department of Statistics: assistant professor (tenure-track)
(15) Harvard T.H. Chan School of Public Health, Departments of Epidemiology and Biostatistics: biostatistics positions
(16) Harvard T.H. Chan School of Public Health, Departments of Epidemiology and Biostatistics: research scientist/research associate positions
(17) Montana State University, Department of Mathematical Sciences: assistant professor of statistics
(18) Duke Cancer Center: biostatistician
**Funding opportunities:** Visit the ASA’s Funding Opportunities Community for recent past information. (You’ll need to log in to ASA Members Only.)

(1) NIH: Powering Research through Innovative Methods for Mixtures in Epidemiology (PRIME) (R01)  
(2) NIH: Four BRAIN RFAs  
(3) NIH: Two new BRAIN RFAs  
(4) NIH: BD2K Support for Meetings of Data Science Related Organizations (U13)  
(5) NSF: CISE announces intent to support Reproducible Research  
(6) NSF new program solicitation: Algorithms for Threat Detection (ATD) (NSF 17-510)

**Other opportunities or information:**

(1) Collaboration between ASA and the American Physiological Society  
(2) Great opportunity for one of your masters students to attend the Conference on Statistical Practice  
(3) SPAIG Award Nominations Sought  
(4) Open Data Science Symposium  
(5) 72nd Annual Deming Conference on Applied Statistics - Discount Registration Ends on November 1, 2016  
(6) CAUSE Cartoon Caption Contest #6 (submissions due November 1)  
(7) Read of the week: New Issue of Journal of Statistical Research Discusses Issues with P-values

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**Positions**

(1) University of Wisconsin School of Medicine & Public Health, Department of Biostatistics & Medical Informatics: multiple positions (open rank)

The Department of Biostatistics & Medical Informatics (BMI) at the University of Wisconsin School of Medicine & Public Health (SMPH) is seeking multiple tenure-track assistant, associate, and full professors starting around July 2017.

Each candidate should have a doctoral degree (PhD, ScD, or equivalent) in Biostatistics, Statistics, Bioinformatics, Computational Biology, Biomedical Informatics, Computer Science, or a closely related quantitative area. Key areas of interest include clinical and population health biostatistics, statistical genetics and genomics, and biomedical informatics.

A key consideration is the ability and interest to work in a collaborative, interdisciplinary environment.

Successful candidates will maintain superb research programs that ideally involve applications to high throughput biological experiments, genetics and genomics, precision medicine, clinical trials, population
health research or health services research, and/or the improvement of clinical care. It is expected that the candidate will attract and maintain external funding to support his/her program, and will collaborate with scientists at UW-Madison, either in the SMPH and/or across campus, and/or its partner institutions. Additional responsibilities will include training graduate students, teaching, and participating in professional, university, and community service appropriate to rank.

To ensure full consideration, applications must be received by November 15, 2016, although late applications may be accepted. Candidates should submit their applications through the UW employment website:


To aid in applicant screening, please indicate your primary area of interest as either “clinical and population health biostatistics”, “statistical genetics and genomics”, or “biomedical informatics” in the cover letter.

(2) University of Florida, Department of Statistics: open rank faculty position

The Department of Statistics at the University of Florida invites applications for an open-rank, tenure-track faculty position to begin in August 2017. Successful candidates will have an established research program in statistics with an emphasis on data science and interests in interdisciplinary research contributing to the mission of the UF Informatics Institute. Candidates at the associate or full professor level should have an established record of publication in leading journals and success in obtaining extramural funding. Duties include teaching, research, and service.

Salary is competitive, commensurate with qualifications and experience, and includes a full benefits package.

A PhD in statistics or a closely related field is required.

For full consideration, applications must be submitted online at [explore.jobs.ufl.edu/cw/en-us/listing/] (job no. 499189) and must include: (1) a letter summarizing the applicant's qualifications, ongoing research directions, and interests in the Department, (2) a complete curriculum vitae, and (3) teaching/research statement. In addition, names and email address for three references must be provided on the application. An email will be sent automatically to your references, requesting them to upload their letter. Applications will be reviewed beginning November 14, 2016 as received and the position will remain open until filled.

The final candidate will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an educational institution outside of the United States require evaluation by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES), which can be found at [www.naces.org/].

Additional questions may be addressed to facultysearch@stat.ufl.edu.
(3) Fox Chase Cancer Center, Biostatistics and Bioinformatics Group: faculty position in biostatistics

The Biostatistics and Bioinformatics group at Fox Chase Cancer Center is seeking applicants for a faculty position in Biostatistics. Successful candidates will collaborate with Fox Chase physicians and scientists on all aspects of research (e.g., design, analysis, interpretation of results). Diverse clinical and biological studies at Fox Chase create a steady flow of challenging statistical problems. Research areas include clinical trials, genetics, molecular biology, epidemiology, outcomes and population-based studies. The position encourages scholarly investigation into innovative experimental designs and methods and supports both collaborative and methodological publications. Level of appointment will be commensurate with experience.

Candidates must hold a doctoral degree in biostatistics, statistics or related quantitative discipline. Successful candidates must be self-directed, have strong written and verbal communication skills, and be familiar with standard statistical packages (e.g., SAS, R, Stata). Preference will be given to applicants with experience in the design and analysis of biomedical studies.

Send cover letter and CV to Arlene Capriotti (Arlene.capriotti@fccc.edu), Biostatistics and Bioinformatics Facility, Fox Chase Cancer Center, 333 Cottman Avenue, Philadelphia, PA, 19111. Fox Chase is an Equal Opportunity Employer.

(4) Virginia Tech Department of Statistics: multiple faculty positions

Virginia Tech (www.vt.edu) has multiple faculty openings in the Department of Statistics (www.stat.vt.edu) to start Fall 2017 at our Blacksburg, VA campus. Appointment at the rank of collegiate assistant professor is preferred, but the associate level will be considered for exceptional candidates. These are full-time multi-year appointments (three years for assistant professors and five years for associate professors) with multi-year renewal upon successful review.

We seek candidates who are passionate about teaching statistics to undergraduate and graduate students. Responsibilities include teaching three courses per semester, where successful candidates will:

- make significant contributions to our instruction in statistics, which includes modern computationally-intensive and massive data methods, as well as data science and analytics more broadly;
- coordinate introductory and service courses, engage in a variety of significantly growing statistics curricula across the university, and lead efforts in curriculum enhancements and innovative pedagogy;
- continue to develop professional capabilities and participate in scholarly activities, including travel to and participation in professional conferences and societies; and,
- participate in department, college, and university service and governance, as well as professional service.

The faculty handbook (available at http://www.provost.vt.edu) provides a complete description of faculty responsibilities.
These positions are part of a major emphasis on statistics, including computational modeling, data science and analytics, and empirical decision making at Virginia Tech. Successful applicants will have the opportunity to be key players in the creation of the university's “Data Analytics and Decision Sciences” destination area and to teach in the Computational Modeling and Data Analytics program (www.science.vt.edu/ais/cmda/) within the College of Science’s Academy of Integrated Science and the School of Neuroscience (http://www.neuroscience.vt.edu/index.html).

Applicants must have a Ph.D. in Statistics, Biostatistics, or a related field, including Education and Educational Psychology doctorates with a strong statistical emphasis, and have broad intellectual interests in statistics and statistics education along with a strong promise for being a leader in the instructional mission of the department. Applicants must have a strong background in statistics; demonstrated experience with and commitment to teaching excellence; a desire to advise and teach a student body which is diverse with respect to socio-economic status, interests, and abilities; and commitment/sensitivity to address issues of diversity in the university community.

Desirable characteristics include a record of pedagogical achievement and vision, creativity, and leadership skills relevant to instruction. Preference will be given to candidates with experience and demonstrated excellence in teaching experience, with a record of achievement as might be demonstrated by teaching awards, during a previous faculty appointment, or graduate teaching experience.

Questions regarding the position can be directed to Dr. Pang Du (vtstat_search2017@vt.edu). Applications must be submitted online at http://listings.jobs.vt.edu (#TR0160135) and should include a cover letter, CV, and a statement of teaching interests as previously described. Please include names, addresses, telephone numbers, and e-mail addresses for three or more references in the cover letter.

Applications will be accepted until the position is filled, but all applications received by February 1, 2017, will be guaranteed full consideration.

https://listings.jobs.vt.edu/postings/70340

(5) University of Wisconsin-Madison: postdoctoral positions

Postdoctoral positions are available for multimodal twin brain imaging studies involving DTI, MRI and fMRI at the University of Wisconsin-Madison. The postdoctoral fellow will work with Professors Moo K. Chung, Paul J. Rathouz and David H. Zald at Vanderbilt University and Benjamin B. Lahey at the University of Chicago.

Candidates should have received or expected to receive PhD degree or equivalent in CS, statistics, biomedical imaging or related areas. Previous neuroimaging research experience is a plus.

Topics include multimodal image analysis, brain network analysis, persistent homology, sparse models and shape modeling. To understand the direction of our research in the past, see our publication in http://www.stat.wisc.edu/~mchung/publications.html

Please email your CV and a representative paper to Dr. Moo K. Chung (mkchung@wisc.edu).
(6) UC Irvine Statistics - Midcareer Professor Hiring Initiative

The Department of Statistics at UCI is encouraging applicants for a faculty position through the campus Midcareer Professor Hiring initiative (MPHI). This program seeks to identify the most highly successful mid-level (advanced assistant, associate or beginning full professor) candidates. All areas of statistics/biostatistics will be considered. Applications will be accepted through December 9, 2016. However, applications received by November 9, 2016 will receive fullest consideration.

To apply, please submit a cover letter, current CV, references, and statement of contributions to diversity at: recruit.ap.uci.edu/apply/JPF03719.

(7) Colorado School of Mines, Department of Applied Mathematics and Statistics: open rank faculty position

The Department of Applied Mathematics and Statistics at the Colorado School of Mines invites applications for an anticipated tenured/tenure track position at any rank (assistant, associate, or full professor) in applied statistics beginning in Fall 2017. Applicants in any area of applied statistics will be considered, with preference given to those with expertise in applications of spatial/spatio-temporal statistics or large-scale statistical computing. The Department of Applied Mathematics and Statistics offers Bachelor's, Master's, and Ph.D. degrees in Statistics as well as in Computational and Applied Mathematics.

The successful candidate will be expected to teach at both the undergraduate and graduate levels in statistics and to develop a strong externally funded research program.

Qualifications: An earned Ph.D. in statistics, mathematics, or a closely related field, and a record of or demonstrated potential for excellence in research and teaching. A research focus related to applied statistics with emphasis on spatial/spatio-temporal statistics or large-scale statistical computing is desired. Evidence of interest, or successful involvement, in interdisciplinary collaborative research is desired. Applicants must provide evidence of research accomplishments and teaching competence in statistics. Excellent communication and interpersonal skills are required.

Salary and benefits will be commensurate with qualifications and experience, and will include a generous start-up package for basic equipment and professional development. Mines also provides an attractive benefits package including fully paid health insurance, dependent tuition benefits, parental leave policies and dependent care assistance through a flexible spending plan.

How to Apply: Applicants must send a cover letter, curriculum vita, statement of research interests and aspirations, a statement describing teaching experience or philosophy, and three or more letters of reference, at least one of which addresses teaching experience or potential. Applications received on or before December 2, 2016 will receive full consideration.

All materials must be submitted via MathJobs.org (https://www.mathjobs.org/jobs).

(8) UCSD School of Medicine: open rank positions in biostatistics

http://biostat.ucsd.edu/

The Division of Biostatistics and Bioinformatics http://biostat.ucsd.edu/ in the Department of Family Medicine and Public Health (FMPH) at the University of California, San Diego http://fmph.ucsd.edu/
invites applications for one or more faculty positions with a dual focus on research in statistical methodology and in collaborative biomedical science. The Division has need of outstanding statistical expertise in clinical trials, adaptive trial designs, computational statistics, image analysis, statistical genetics, genomic analysis and other areas. Opportunities are available for participation in a large Alzheimer’s Disease research consortium, at the Moores UCSD Cancer Center, and with other outstanding research groups at UCSD. These positions entail a substantial commitment to methodological statistical research, including teaching and mentoring at the PhD and Master’s level.

The successful candidate(s) will have evidence of accomplishment in collaborative biomedical research and in research in statistical methodology, as demonstrated by impactful publication and independent funding, or by demonstrated potential in these areas for Assistant Professor candidates. All research areas of biostatistics and applied statistics are welcome; excellent oral and written communication skills are required. An outstanding program of relevant methods research and mentoring, or outstanding promise in these areas, is preferred. Candidates must have a doctoral degree in Biostatistics, Statistics, or a closely related field and will be expected to teach in the PhD program in Biostatistics and in other Departmental initiatives. At least 2 years of relevant post-doctoral experience is preferred. The Department is interested in candidates who have demonstrated commitment to excellence in teaching, research and service which contribute to an equitable, inclusive and diverse scholarly environment.

Candidates at the Assistant rank should have an established, funded research program and a strong record of publication in the peer-reviewed literature. Candidates at the Associate and Full rank should have a proven track record in obtaining NIH (or comparable) funding and high productivity of impactful publication in both the statistical and biomedical peer-reviewed literature. Rank of the appointment will be based on skills and qualifications of the candidate and the series will include the In-Residence and Adjunct series. Salary is commensurate with qualifications and based on University of California pay scales.

Review of applicants will begin on December 2, 2016, and the positions will remain open until filled.

Applications must be submitted through USCD’s online RECRUIT system at:

https://apol-recruit.ucsd.edu/apply/JPF01176

(9) UCSD Division of Biostatistics and Bioinformatics: Funded spots in PhD program in biostatistics

The Division of Biostatistics and Bioinformatics at the University of California San Diego (UCSD) is pleased to solicit applications for the PhD program in Biostatistics, for Fall 2017. The UCSD Biostatistics PhD program is an interdisciplinary program distinguished by its high mathematical content and rigorous training in theory and methods, as well as training in computation, data analysis and practical collaborative skills. We aim to train the next generation of biostatisticians in the mathematical theory, computational skills, and inferential methods needed to analyze large and complex biomedical data. More information can be found at http://biostat.ucsd.edu/phd-program/

We encourage applications from highly motivated individuals with a strong mathematical background and deep interest in computation and quantitative problems applied to the biological sciences, medicine and/or public health. We expect to provide a stipend and tuition to selected students for the duration of their studies.
Applications will be accepted September 1, 2016- January 9, 2017. Please apply at: https://apply.grad.ucsd.edu/home

(10) University of California, Davis, Department of statistics: faculty position in statistics

The Department of Statistics at the University of California, Davis, invites applications for a full-time faculty position in Statistics. This search will be conducted at the assistant professor rank and the resulting hire will be at the assistant rank, regardless of the proposed appointee’s qualifications. All areas of Statistics will be considered. Individuals specializing in statistical methods for large and complex or massive data are especially encouraged to apply. A Ph.D. in Statistics or a related area is required. Candidates must possess (or demonstrate the potential to achieve) a strong record in the areas of research, teaching, and service. Candidates must also possess the ability to teach all lower-division statistics courses, upper-division core courses in statistics, and graduate level statistics courses, and to be strongly committed to providing service to the department, university, and statistics communities.

The start date for this position is July 1, 2017. The position will remain open until filled but to assure full consideration submit a cover letter, Statement of Research, Statement of Teaching, Statement of Contribution to Diversity, curriculum vitae, letters of reference, and transcripts (if PhD obtained during 2014 or later) by November 18, 2016. Submit application on-line via job listing JPF01179 at recruit.ucdavis.edu/apply/JPF01179

(11) Emory University Rollins School of Public Health, Department of Biostatistics and Bioinformatics: open rank faculty positions

The Department of Biostatistics and Bioinformatics is seeking to fill up to two openings that would be at the tenured (full or associate professor) or tenure-track (assistant professor) level. We are recruiting for faculty in all areas, but we especially welcome applications from candidates with research interests focused on the development and application of quantitative methods for high-dimensional data analysis and integrative data analytics. For one position, preference will be given to individuals specializing in biomedical imaging research, to build upon the department’s Center for Biomedical Imaging Statistics with links to imaging research across the health sciences. Responsibilities associated with these positions include methodological and collaborative research, teaching, and the supervision of graduate students.

Collaborative opportunities exist within the Rollins School of Public Health departments of epidemiology, behavioral sciences and health education, health policy and management, environmental and occupational health, and global health. Research opportunities also exist throughout Emory’s Woodruff Health Sciences Center including the School of Medicine, the Winship Cancer Institute, Yerkes Primate Center, the Vaccine Center, and the Center for AIDS Research.

Requirements: doctoral degree in biostatistics/statistics or a related field; strong record of or high potential for methodologic research; intent and ability for scientific collaborative research and graduate level teaching; excellent oral and written communication skills. Candidates for associate or full professor should have an established record of funded research.

Salary and rank commensurate with experience. A letter summarizing experience, a statement of research interests, a complete curriculum vitae, and three reference letters should be sent to:
University of Illinois at Urbana-Champaign, Department of Statistics: open rank faculty position in data science

The Department of Statistics at the University of Illinois at Urbana-Champaign invites applications for a tenured or tenure-track faculty position in Statistics and Data Science (100% for 9 months). Areas of emphasis include statistical methods for big data, computational statistics, biological and health sciences, statistical machine learning, causal inference, graphical models and sampling and design for large-scale studies, but all areas of Statistics and Data Science are welcome.

Applicants must have a PhD in Statistics, Biostatistics, Data Science, Computer Science, Engineering or related fields at time of appointment. Applicants at the assistant professor level must show potential to publish in the top disciplinary journals, and demonstrate a commitment to excellence in teaching. Applicants at the associate/full professor level must have an outstanding research record and excellence in teaching appropriate for appointment with tenure. Successful candidates are expected to teach effectively at both the undergraduate and graduate levels, establish and maintain an active and independent research program, and provide service to the department, the university and the profession. The anticipated starting date is August 16, 2017. Salary is competitive.

To apply, create your candidate profile through https://jobs.illinois.edu and submit application materials by December 1, 2016. Only applications submitted through the University of Illinois Job Board will be considered.

Application Instructions Assistant Professor applicants: Applicants must submit a letter of application, curriculum vitae, up to 3 representative publications, statement of teaching and research interests, and contact information for three professional references. Referees will be contacted electronically within 1-2 business days after submission of the application.

Application Instructions Associate/Full Professor applicants: Applicants must submit a letter of application, curriculum vitae, research and teaching statements and contact information for at least three professional references. After a review of the application material, the search committee may then contact the applicant about soliciting letters of reference.

Questions about the position or application procedures may be directed to Professor Bo Li, at libo@illinois.edu.

University of Chicago, Department of Statistics: assistant professor

The Department of Statistics at the University of Chicago invites applications from exceptionally qualified candidates for faculty positions at the rank of Assistant Professor. As part of a University of Chicago initiative, we seek individuals doing advanced research in computational and applied mathematics or in related fields. It is expected that successful applicants will engage in the direction of
doctoral dissertations, as well as teaching at the undergraduate and graduate levels. Interdisciplinary collaboration is particularly valued.

While applicants do not need to be specifically trained in statistics, by the time of hire they must have completed all requirements for the Ph.D. in some field of mathematics, applied mathematics, statistics, or computational science. Appointments may be made jointly with another department in the University. Demonstrated research excellence appropriate to the rank is essential; some teaching experience in the mathematical sciences is preferred.

Application screening will begin December 1, 2016, and continue until all positions are filled or the search is closed.

http://tinyurl.com/j57aldg

(14) University of Michigan, Department of Statistics: assistant professor (tenure-track)

The Department of Statistics at the University of Michigan, Ann Arbor, invites applications for two tenure-track assistant professor positions to begin September 1, 2017. Exceptional candidates at higher ranks will be considered subject to additional approval from the administration. This is a nine-month appointment. A Ph.D. in statistics, biostatistics, or a related field is required. Applicants are expected to have demonstrated outstanding research potential and excellence in teaching. The first position is open to all areas of statistics, but interests in data science are preferred. Applicants with such interests will be considered for appointment at the Michigan Institute for Data Science (MIDAS; http://midas.umich.edu/). The second position is open to candidates interested in bio-data science. Applicants are expected to have demonstrated outstanding research potential in statistical methodology for analysis of medical or bioscience data.

Application Information: Send electronic versions of vitae, academic transcript, statement of current and future research plans, statement of teaching philosophy and experience, evidence of teaching excellence, selected publications, and arrange to have three recommendation letters sent to MathJobs.org. Review of applications will begin on November 1, 2016 and will continue until the position is filled. For more information, visit http://www.lsa.umich.edu/stats/.

(15) Harvard T.H. Chan School of Public Health, Departments of Epidemiology and Biostatistics: biostatistics positions

One or more Biostatistician positions are available in the Departments of Epidemiology and Biostatistics at Harvard T.H. Chan School of Public Health. Responsibilities for these positions include statistical analysis of epidemiological cohort and nested case-control studies, power and sample size calculations for new projects, and statistical programming of advanced methods.

Qualifications include a Masters in biostatistics, statistics, or epidemiology, or training in another quantitative health-related field. Strong programming skills in SAS, including in-depth knowledge of the macro language and graphics, are required. At least two years of relevant full-time work experience, with SAS as the primary software platform, is required. Excellent written and oral communication skills are a must. Prior course work in epidemiology and experience with epidemiologic data is desired. Excellent organizational skills also needed.
Scientific questions regarding this position can be sent to Dr. Molin Wang at stmow@channing.harvard.edu. Applications will be considered as they arrive. To apply, please send your CV, a letter of interest specifically describing your qualifications in relation to those described above, and names and contact information of three references. Application materials should be sent by email to sroberts@hsph.harvard.edu, or mail to: Biostatistician Search, c/o Suzy Roberts, Department of Epidemiology, Harvard T.H. Chan School of Public Health, 655 Huntington Avenue, Kresge Building, 8th Floor, Boston MA 02115.

(16) Harvard T.H. Chan School of Public Health, Departments of Epidemiology and Biostatistics: research scientist/research associate positions

One or more Research Scientist/Research Associate positions are available in the Departments of Epidemiology and Biostatistics at Harvard T.H. Chan School of Public Health. Responsibilities for these positions include statistical analysis of epidemiological cohort and nested case-control studies, power and sample size calculations for new projects, statistical programming of advanced methods, and collaborating on the development of statistical and epidemiological methods, if there is interest. Projects include substantive research in the fields of chronic disease epidemiology, implementation science, and HIV/AIDS, and methodologic research in survival data analysis, generalized linear models, causal inference and study design.

Qualifications include a PhD in biostatistics, statistics, or epidemiology, or training in another quantitative health-related field. Strong programming skills in SAS, including in-depth knowledge of the macro language and graphics, are required. Knowledge of and in-depth experience in a higher-level programming language, such as C or Fortran, is desired. At least two years of relevant full-time work experience, with SAS as the primary software platform, is required for Research Associate positions, and at least 5 years of relevant full-time work experience, with SAS as the primary software platform, is required for the Research Scientist position. Excellent written and oral communication skills and mastery of Microsoft Word are a must. Prior course work in epidemiology and experience with epidemiologic data is desired. Excellent organizational skills also needed.

Scientific questions regarding this position can be sent to Dr. Molin Wang at stmow@channing.harvard.edu. Applications will be considered as they arrive. To apply, please send CV, a letter of interest specifically describing your qualifications in relation to those described above, and names and contact information of three references. Application materials should be sent by email to sroberts@hsph.harvard.edu, or mail to: Research Scientist/Research Associate Search (please indicate which position you are applying to), c/o Suzy Roberts, Department of Epidemiology, Harvard T.H. Chan School of Public Health, 655 Huntington Avenue, Kresge Building, 8th Floor, Boston MA 02115.

(17) Montana State University, Department of Mathematical Sciences: assistant professor of statistics

Montana State University in Bozeman welcomes applications for an Assistant Professor of Statistics position in the Department of Mathematical Sciences. We are particularly interested in candidates with research interests in Biostatistics, Bayesian methods, statistical computing, or statistical methods for high dimensional data analysis. For the complete job description and application procedures go to jobs.montana.edu/postings/6056.
Review of applications begins November 1, 2016.

(18) Duke Cancer Center: biostatistician

Opportunity for biostatistics staff to be engaged in national level trials in cancer. See link for details.

forms.hr.duke.edu/careers/external.php?reqid=84220BR

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Funding opportunities and information

(1) NIH: Powering Research through Innovative Methods for Mixtures in Epidemiology (PRIME) (R01)

grants.nih.gov/grants/guide/rfa-files/...

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate the development of innovative statistical, data science, or other quantitative approaches to studying the health effects of complex chemical mixtures in environmental epidemiology.

Application Due Date(s): February 22, 2017, by 5:00 PM local time of applicant organization

(2) NIH: Four BRAIN RFAs

- BRAIN Initiative Cell Census Network (BICCN) Brain Cell Data Center (U24) (RFA-MH-17-215)
- BRAIN Initiative Cell Census Network (BICCN) Comprehensive Center on Mouse Brain Cell Atlas (U19) (RFA-MH-17-225)
- BRAIN Initiative Cell Census Network (BICCN) - Specialized Center on Human and Non-Human Primate Brain Cell Atlases (U01) (RFA-MH-17-210)
- BRAIN Initiative Cell Census Network (BICCN) - Specialized Center on Mouse Brain Cell Atlas (U01) (RFA-MH-17-230)

(3) NIH: Two new BRAIN RFAs

The NIH has recently announced 2 new BRAIN Initiative Requests for Applications (RFAs).

- RFA-MH-17-250 (F32): a funding opportunity for individual postdoctoral fellows early in their postdoctoral training. We are encouraging applications from individuals who are just now wrapping up their PhD training. Program point of contact – Nancy Desmond.
  - Formal training in quantitative perspectives and analytical tools is expected to be an integral part of the proposed research training plan. Applications are encouraged in any research area that is aligned with the BRAIN Initiative, including neuroethics.
  - In order to maximize the training potential of the F32 award, this program encourages applications from individuals who have not yet completed their terminal doctoral degree and who expect to do so within 12 months of the application due date. On the
application due date, candidates may not have completed more than 6 months of postdoctoral training.
  o Applications are due March 15, 2017, with the earliest start date in September 2017.

- RFA-DA-17-022 (K18): an opportunity for independent investigators at any faculty rank or level to enhance their ability to significantly contribute to or lead projects that investigate questions central to the goals of the BRAIN Initiative. Program point of contact – Mimi Ghim.
  o The applicant must propose a mentored career enhancement plan that includes a collaborative research project in any high-priority research area identified by the BRAIN Initiative long-term scientific plan, including neuroethics.
  o Specific emphasis is on cross-training independent investigators in a substantively different area of neuroscience, neuroethics, or in a quantitative and physical discipline (e.g., physics, chemistry, engineering, computer science, mathematics); and vice versa, cross-training independent investigators trained in a quantitative or physical discipline proposing to gain in-depth training in a high-priority area of neuroscience.
  o Applications are due April 14, 2017, with the earliest start date in December 2017.

Given that these are BRIAN Initiative RFAs, we encourage applications from the many scientific disciplines that are contributing to addressing the goals of the BRAIN Initiative. In other words, these RFAs are not limited to applicants who are neuroscientists.

(4) NIH: BD2K Support for Meetings of Data Science Related Organizations (U13)

grants.nih.gov/grants/guide/rfa-files/...

The purpose of this Funding Opportunity Announcement (FOA) is to support high quality and impactful conferences/scientific meetings that are convened by data science related organizations whose missions focus on biomedical data science. This FOA, which uses the NIH conference cooperative agreement program (U13), is part of the NIH-wide initiative, Big Data to Knowledge (BD2K). Data science related organizations have a critical role in advancing biomedical data science but often depend on meetings to carry out their work. This FOA will support high quality conferences or meetings that are relevant to the biomedical data science needs of the participating Institutes and Centers of the National Institutes of Health. For the purpose of this FOA, a conference is defined as a gathering, such as in the form of a symposium, seminar, scientific meeting, workshop, or any other organized and formal meeting where persons assemble to coordinate, exchange, and disseminate information, or to explore or clarify a defined subject, problem, or area of knowledge. Applicants representing data science related organizations may request support for one or a series of meetings over multiple years that address areas of data science aligned with the goals of the NIH BD2K program.

(5) NSF: CISE announces intent to support Reproducible Research

Dear Colleague Letter: Encouraging Reproducibility in Computing and Communications Research


October 21, 2016
Dear Colleagues:
The National Science Foundation (NSF) recognizes a general and growing concern among researchers [1, 2] that a number of influences—including bias toward positive results, competition to rush findings to print, an overemphasis on presenting conceptual breakthroughs in high-impact venues, and a lack of incentives for academic researchers to retract irreproducible findings—have combined to reduce standards of reproducibility and rigor in research, and thus retard the general progress of science and engineering [3].

Given that research in computing and communications is not immune to these influences, and building upon other ongoing efforts to promote reproducibility [4], the Directorate for Computer and Information Science and Engineering (CISE) announces through this Dear Colleague Letter (DCL) its intention to support research that improves the level of reproducibility in research on computer systems and networking; modeling, analysis and simulation of computing and communication systems; and cybersecurity.

Specifically, CISE encourages principal investigators (PIs) submitting new proposals to or with active awards in its Computer and Network Systems (CNS) core, Computing and Communication Foundations (CCF) core, and Secure and Trustworthy Cyberspace (SaTC) programs to embrace completeness and transparency in developing rigorous protocols as well as in making experimental parameters and collected data available to other researchers. In particular, PIs are strongly encouraged to describe, as part of their data management plans, how they will provide access to well-documented datasets, modeling and/or simulation tools, and codebases to support reproducibility of their methods.

Reproducibility can occur across different realms—numerical, empirical, computational and statistical—and may be analytical, direct, systematic or conceptual. Reproducibility can be interpreted to include traits such as repeatability, robustness, reliability and generalizability [5].

Through this DCL, the participating programs noted above encourage proposals that specifically seek to reproduce, verify and/or characterize recent results in the disciplines covered under each program's ambit of research. Such proposals should identify the key results to be reproduced, motivate the importance of the results to the community and the need for independent validation, and present rigorous methodologies for experimentation with the goal of extensively and thoroughly characterizing the operating parameters under which these results can be reproduced. Where practical, proposers should also propose models and openly accessible repositories for complete data sharing of all results from these experiments. Research in Undergraduate Institutions (RUI) proposals are particularly encouraged.

PROPOSAL PREPARATION AND SUBMISSION

Full proposals relevant to this DCL should be submitted pursuant to existing program solicitations for the CCF core, CNS core, and SaTC programs, including all proposal preparation instructions specified therein. Limits on the number of submissions per PI pursuant to these program solicitations are unchanged by this DCL. The relevant program solicitations are linked below:

- CNS Core Programs solicitation covering Computer Systems Research (CSR) and Networking Technologies and Systems (NeTS): [www.nsf.gov/funding/pgm_summ.jsp?pims_id=12765](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12765);
• CCF Core Programs solicitation covering Algorithmic Foundations (AF), Communication and Information Foundations (CIF), and Software Hardware Foundations (SHF): www.nsf.gov/funding/pgm_summ.jsp?pims_id=503220; and
• SaTC program solicitation: www.nsf.gov/funding/pgm_summ.jsp?pims_id=504709.

REVIEW PROCESS

Proposals submitted pursuant to this DCL will be reviewed alongside all other proposals received in response to the solicitation for each participating program. Proposals will be reviewed in accordance with NSF’s review criteria; reviewers are asked to evaluate research on both its intellectual merit and broader impacts. Proposals pursuant to this DCL may also be evaluated together in a group, with specific review criteria focusing on the completeness of the experiment design and assessment of data sharing practices.

Proposers should be aware that the NSF merit review principles (www.nsf.gov/pubs/policydocs/pappguide/nsf16001/...) as well as the NSF merit review criteria (www.nsf.gov/pubs/policydocs/pappguide/nsf16001/...) support proposals that advance reproducibility in scientific research to the same extent as those that advance transformative research.

POINTS OF CONTACT

For further information, interested PIs may contact:

• Thyaga Nandagopal [Program Director, CISE/CNS, telephone: (703) 292-8950, email: tnandago@nsf.gov];
• Mimi McClure [Program Director, CISE/CNS, telephone: (703) 292-8950, email: mmcclure@nsf.gov];
• Darleen Fisher [Program Director, CISE/CNS, telephone: (703) 292-8950, email: dfisher@nsf.gov];
• Nina Amla [Program Director, SaTC & CISE/CCF, telephone: (703) 292-8910, email: namla@nsf.gov];
• D. Richard Brown [Program Director, CISE/CCF, telephone: (703) 292-8910, email: ribrown@nsf.gov];
• Almadena Chtchelkanova [Program Director, CISE/CCF, telephone: (703) 292-8910, email: achtchel@nsf.gov]; and/or
• Tracy Kimbrel [Program Director, CISE/CCF, telephone: (703) 292-8910, email: tkimbrel@nsf.gov].

Sincerely,
Jim Kurose
Assistant Director
Computer and Information Science and Engineering (CISE)

References:


(6) NSF new program solicitation: Algorithms for Threat Detection (ATD) (NSF 17-510)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503427

Synopsis: The Algorithms for Threat Detection (ATD) program will support research projects to develop the next generation of mathematical and statistical algorithms for analysis of large spatiotemporal datasets with application to quantitative models of human dynamics. The program is a partnership between the Division of Mathematical Sciences (DMS) at the National Science Foundation (NSF) and the National Geospatial Intelligence Agency (NGA).

Full Proposal Deadline Date: February 21, 2017

Other opportunities or information

(1) Collaboration between ASA and the American Physiological Society

The American Physiological Society (APS) and ASA have embarked on a trial collaboration of statistical manuscript reviewing. A commitment to serve as a reviewer involves reviewing 1 - 2 manuscripts per month for a 6 month trial period with a time commitment of 1 - 3 hours per manuscript. After 6 months, ASA reviewers and APS editors will evaluate the process. If deemed successful, the reviewer may be asked to join the editorial board for a specific journal or serve on a Statistics Editorial Board for all APS journals. Please share this opportunity with your faculty and encourage them to apply to participate. Interested faculty should complete this brief form.

(2) Great opportunity for one of your masters students to attend the Conference on Statistical Practice

The John J. Bartko Scholarship Award was established through an endowment from John J. Bartko to help promising young statisticians who are in at least the second year of a master’s degree program in statistics or biostatistics or who have completed such a program within the two years prior to the award date. The award provides up to $1,000 in registration and travel support to the ASA Conference on Statistical Practice. Recipients must be United States citizens. Applications are due by December 1, and the winner will be announced by December 30. Submissions should include an application; contact information for two references; curriculum vitae; and personal essay of 500 or fewer words explaining your career goals, what you hope to learn by attending the conference, and how you plan to contribute to real-world applications of statistics. Application materials should be sent to awards@amstat.org.
(3) **SPAIG Award Nominations Sought**

The Statistical Partnerships Among Academe, Industry, and Government (SPAIG) Award was established in 2002 to recognize outstanding partnerships between academe, industry, and government organizations, as well as to promote new partnerships among these organizations.

The award is sponsored by the SPAIG committee of the American Statistical Association (ASA). It is distinct from other ASA awards in that it recognizes outstanding collaborations between organizations, while recognizing key individual contributors.

Nominations are due by March 1, 2017, and the award will be presented at the Joint Statistical Meetings during the same year.


(4) **Open Data Science Symposium**

The Associate Director for Data Science (ADDS) and the Big Data to Knowledge (BD2K) initiative at the National Institutes of Health (NIH) would like to invite you and your communities to attend the **Open Data Science Symposium** on December 1, 2016. The goal of the symposium is to engage the public with data science at NIH now, and in the future. We would like to request your help in spreading the word about the **Open Data Science Symposium** and have included some promotional materials with this email. We are lucky to have a remarkable lineup of speakers; the highlights of the meeting include:

- A dialogue on open science with NIH Director, Dr. Francis Collins and former NIH director, Dr. Harold Varmus
- Demonstrations of the 6 prototypes for the **Open Science Prize**, a worldwide competition to leverage Open Data for biomedical discovery
- A keynote lecture from John Wilbanks, head commons officer at Sage Bionetworks

The meeting is open to the public and free to attend (although registration is required). We have attached to this message a social media package that includes: a flier, sample tweets, hashtags, images, and Facebook posts. Any help spreading the word would be much appreciated.

If you have any questions about the event, please contact Elizabeth Kittrie at Elizabeth.Kittrie@nih.gov
To ensure that you receive communications regarding the Open Data Science Symposium in the future, please add Chipper Whalan cwhalan@capconcorp.com to your contacts.

(5) 72nd Annual Deming Conference on Applied Statistics - Discount Registration Ends on November 1, 2016

AMERICAN SOCIETY FOR QUALITY: NY/NJ Metropolitan Section & Statistics Division
AMERICAN STATISTICAL ASSOCIATION: Biopharmaceutical Section

December 5 – 9, 2016: Tropicana Casino and Resort, Havana Tower, Atlantic City, NJ

Online registration at www.demingconference.com

The Annual Deming Conference on Applied Statistics is to provide a learning experience on recent developments in statistical methodologies. The conference is composed of 12 half-day tutorials of current advanced methodologies on the first three days and is followed by two 2-day parallel short courses. Authors of recently published statistical books as well as experienced statisticians working in regulatory, industry, and academics are invited to teach the tutorials. The two short courses are each two days long and are taught by internationally famous statisticians in their areas. Course 1 on Adaptive Designs and Multiple Tests by König, Posch and Bretz covers flexible methodology, including the well-known MCP-Mod procedure that combines learning and confirming. Course 2 by Patterson, Jones and Mielke covers materials from their new book edition on Statistics in Clinical Pharmacology including new materials on biosimilarity and on scaled average bioequivalence. The addition of the section on biosimilarity represents significant new material since the first (and second) approvals of biosimilar products. Biosimilars are biologics that are highly similar to an approved reference product which are shown not to differ meaningfully in safety and efficacy from the approved product (further description of this short course is attached).

The conference sells the books used in the tutorial and short courses at a 40% discount. The conference also has poster sessions and attendees are welcome to submit abstracts for poster presentation during the conference. For complete program, please visit www.demingconference.com.

Half-day Tutorial Sessions (December 5-7, 2016)

Data Display for Statistical Analysis, Prof. Richard M. Heiberger, Temple University

Dose-Response Design and Analysis in Drug Development, Dr. Sandeep Menon, Pfizer Inc and Dr. Richard Zink, JMP Life Sciences, SAS Institute

Biomarker Evaluation and Subgroup Discovery in Clinical Trials, Dr. Alex Dmitrienko, Mediana Inc and Dr. Ilya Lipkovich, Quintiles

Non-Inferiority Testing in Clinical Trials: Issues and Challenges, Dr. Tie-Hua Ng, FDA

Benefit-Risk Assessment Methods in Medical Product Development: Bridging Qualitative and Quantitative Assessments, Dr. Qi Jiang, Amgen and Dr. Weili He, Merck & Co., Inc

Basic Multiple Comparisons in Clinical Trials and Genomics, Dr. Bushi Wang, Ingelheim Pharmaceuticals and Prof. Cui, University of California, Riverside
Quantitative Sciences for Safety Monitoring in Clinical Development, Dr. Bill Wang, Merck, Robert Gordon, JNJ and Judy X. Li, FDA

Improving our Understanding of “Less Well-Understood” Adaptive Trials: Challenges, Best Practices and Sharing of Case Studies, Dr. Weili He, Merck and Dr. Eva Miller, Independent Consultant

Simulation-Based Approaches to Clinical Trial Design and Analysis, Dr. Alex Dmitrienko, Quintile

Design of Dose-Response Clinical Trials, Dr. Naitee Ting, Boehringer-Ingelheim Pharmaceuticals Inc.

Regulatory Statistics with Some European Perspectives, Profs. Martin Posch and Franz Konig, Medical University of Vienna and Dr. Frank Bretz, Global Head of Statistical Methodology Group, Novartis

Quantitative Methods for Traditional Chinese Medicine Development, Prof. Shein-Chung Chow, Duke University

Two-day Short Courses (December 8-9, 2016)

Adaptive Designs and Multiple Testing, Profs. Martin Posch and Franz Konig, Medical Statistics, Medical University of Vienna, Dr. Frank Bretz, Global Head of Statistical Methodology Group, Novartis

Bioequivalence, Biosimilars, and Statistics in Clinical Pharmacology, Dr. Scott Patterson, Pfizer Inc, Dr. Byron Jones, Novartis, Dr. Johanna Mielke, Novartis

(6) CAUSE Cartoon Caption Contest #6 (submissions due November 1)

Submissions for the sixth Cartoon Caption Contest are due November 1. Each month a cartoon, drawn by British cartoonist John Landers, is posted for you and your students to suggest statistical captions. Generating a caption that’s well aligned with a statistics learning objective might make a great extra credit assignment for your class.

The cartoon and the entry rules for the contest ending November 1 are at https://www.causeweb.org/cause/caption-contest/november/2016/submissions (the cartoon for December is posted the following day on November 2).

The best captions will be posted on CAUSEweb and the winner(s) will receive their choice of a coffee mug or t-shirt imprinted with the cartoon or free registration to eCOTS 2018.

(7) Read of the week: New Issue of Journal of Statistical Research Discusses Issues with P-values

Crisis in science? Or crisis in statistics! Mixed messages in statistics with impact on science
D.A.S. Fraser and N. Reid

Commentary on “crisis in science? Or crisis in statistics! Mixed messages in statistics with impact on science”
A. Gelman