Newly Advertised

Clinical Data Science Researchers
Lister Hill National Center for Biomedical Communications, NLM (Review of applications begins: January 3)

The Lister Hill National Center for Biomedical Communications (LHC), a research and development component of the National Library of Medicine (NLM), is inviting applications for Clinical Data Science researchers with experience in the development and use of statistical and computer science techniques for extracting answers to important clinical questions from large clinical/administrative/research databases. Our interdisciplinary program is designed to develop advanced health information resources and software tools that are widely used in biomedical research and by health IT professionals, health care providers, and consumers.

Successful candidates will serve on a non-competitive appointment in the excepted service. The June 2015 NIH Advisory Committee to the Director (ACD) report from the NLM Working Group recognized the important role of the NLM in the support and spread of electronic health record (EHR) systems, very large clinical data bases (billions of results) and the standards that underpin them. This position will focus on a few of the goals of the ACD report including: “an increasing commitment to the use of ‘big data’, and under recommendation 3b) “Promulgate…the application of novel computational and statistical methods to extract knowledge from digital health sources.”

There are many obvious uses for very large clinical databases, such as (but not limited to) comparative effectiveness research, and discovery of unexpected benefits and harms of the treatment from medications, devices and procedures. We are looking for researchers with MD or equivalent degrees, significant research experience with analyzing clinical databases, and with the development and implementation of better methods for analyzing them.

Candidates should have experience and familiarity with statistical methods and their limitations, and have an interest in developing new approaches to drawing reliable conclusions. Formal training in biostatistics and/or epidemiology would be a plus but is not a requirement. Candidates will be expected to publish their work, mentor medical informatics fellows and provide clinical insights to other Lister Hill researchers.

The Lister Hill Center (LHC) includes PhD and MD researchers from fields ranging from computer science to natural language processing, biostatistics, and image processing. And a larger community of such researchers exist on the NIH campus. Between LHC and the NIH, LHC researchers have access to robust computer resources including super computers. LHC also has access to, and experience with, a number of large clinical data bases, including CMS’s de-identified Medicare and Medicaid databases through the Virtual Research Data Center (VRDC) and with the MIMIC II database which includes fairly complete de-identified, medical record content from more than 60,000 intensive care visits, as well as with Observational Health Data Sciences and Informatics (or OHDSI, pronounced "Odyssey"). In addition we run a clinical informatics fellowship program.

Candidates should have completed medical residency training, preferably in a specialty that provides direct patient care and with the experience required to ask good clinical research questions, and have multiple years of research experience with the use of large clinical/administrative or clinical trials databases and a publication record in this field. The Lister Hill Center is an Equal Opportunity Employer and is very interested in the recruitment of women and minority candidates. Salary for these positions is commensurate with their training and relevant research experience. The position also provides paid health insurance and transportation benefits. Multiple positions are available and will remain open until qualified applicants are found. Candidates appointed through the excepted service under the Title 42 authority need not be U.S. citizens. Candidates will be working with Dr. Clem McDonald and other Lister Hill researchers. These positions are subject to a background investigation.

To apply, please submit your curriculum vitae including a description of your education and experience, and three letters of recommendation to Celina Wood at woodc@mail.nlm.nih.gov or Lister Hill National Center for Biomedical Communications; Attention: Celina Wood, AO, LHN CBC; Building 38A – Room 7N707 – MSC 3828; 8600 Rockville Pike; Bethesda, MD 20894. Applications received by January 3, 2017, will be considered for a first round of interviews, but applications will be accepted until all available positions are filled. Further information about the Lister Hill National Center for Biomedical Communications is available at: https://lhncbc.nlm.nih.gov. DHHS and NIH are equal opportunity employers.

Newly Advertised

Staff Scientist
Division of Cancer Epidemiology and Genetics, NCI (deadline: January 17)

The Division of Cancer Epidemiology and Genetics (DCEG), National Cancer Institute (NCI), National Institutes of Health (NIH) is recruiting a Staff Scientist in the Infections and Immunoepidemiology Branch (IIB). The Infections and Immunoepidemiology Branch (IIB) conducts research on the role of infections and altered immunity in cancer etiology through population-based epidemiologic research. IIB research aims to inform efforts to reduce the burden of cancer through translation of etiologic insights into effective strategies for cancer prevention. IIB’s research spans the study of infectious agents with established or postulated associations with cancer and immune perturbations relevant for cancer risk, including severe immunosuppression and more subtle alterations in immune responses. Additionally, based on findings from etiologic research, IIB investigators conduct research on primary and secondary cancer prevention.

The Staff Scientist, working under the direction of a Senior Investigator within the IIB, will have responsibilities for all aspects of a randomized clinical trial of the human papillomavirus (HPV) vaccines in Costa Rica and other projects, including study design (developing protocols, questionnaires, specimen handling procedures), management (data coding and cleaning, specimen tracking, human subjects’ approvals), statistical analysis, and preparation of reports for presentation or publication. Some international travel is required.

The successful candidate must hold a doctoral degree or equivalent in a relevant discipline (e.g., epidemiology or public health). Experience in field-based epidemiological research would be a major asset, as would knowledge of Spanish, given that much of this work is conducted in Costa Rica. The study also includes biologic specimens; thus, training in a biologically-related field or experience working with laboratory samples is an asset. Experience with IT applications used in public health research is an important consideration for this position. The position requires organizational abilities, attention to detail, initiative, and an aptitude for multi-tasking. The ability to communicate effectively in speech and in writing is essential, as demonstrated in presentations and publications. Salary is commensurate with experience.

Interested individuals should send a cover letter, curriculum vitae, brief summary of research interests and experience, and two letters of reference to: Ms. Kat Bern, Division of Cancer Epidemiology and Genetics, National Cancer Institute; 9609 Medical Center Drive, Rm. 7E322 MSC 9775; Bethesda, MD 20892; or e-mail ncistaffscientistib@mail.nih.gov. The closing date for applications is January 17, 2017. DHHS, NIH, and NCI are equal opportunity employers.
Newly Advertised
Tenure-Track/Tenure-Eligible Investigator
Biostatistics Branch, NCI-DCEG (deadline: February 28)

The Biostatistics Branch (BB) in the Division of Cancer Epidemiology and Genetics (DCEG), National Cancer Institute (NCI), National Institutes of Health (NIH), Department of Health and Human Services (DHHS), is recruiting for a tenure-track/tenure eligible position. BB statisticians develop statistical research programs and actively collaborate both in cutting-edge studies of genetic, lifestyle, and other environmental causes of cancer, as well as in studies of cancer prevention, descriptive and clinical epidemiology. Statistical research is typically motivated by challenges encountered in DCEG studies, such as choosing an efficient study and sampling design, optimally combining data from multiple sources such as electronic medical records, genetic data bases, disease and bio-specimen registries, as well as designing validation studies and methods to evaluate and correct for measurement error in exposures and disease outcomes. The branch has active methodological research programs in areas that include 1) absolute risk prediction, 2) analysis of longitudinal and survival data, 3) analysis and temporal and spatially related incidence data, and 4) the analysis of “omics” data that includes the analysis of data from cutting-edge next generation sequencing.

We anticipate increasing opportunities for methodological and applications research in the analysis of complex biomarker and exposure related data, longitudinal and correlated data, as well as in high-dimensional data analysis including “omics” data integration. However, because of the breadth of the problems we face, we seek qualified applicants with all areas of statistical expertise in methods, including but not restricted to semiparametric and survival analysis, functional data analyses, missing data and causal inference, Bayesian and non-Bayesian computations, and network theory. Applications will be evaluated on demonstrated potential to develop a creative, independent program of statistical research applicable to cancer epidemiology and genetics, and to collaborate effectively on epidemiologic studies. Applicants should have a doctorate in biostatistics, statistics or a related field, knowledge of the basic approaches used in cancer epidemiology, and knowledge of biostatistical theory and methods. A record of publications demonstrating an ability to conduct independent research on statistical methods is required. Publications documenting collaborative research in epidemiologic, clinical, biomedical, or biological sciences are highly desirable. The successful candidate should have strong communication skills to discuss scientific issues with non-statistical colleagues and to write scientific papers.

Salary is commensurate with research experience and accomplishments. The incumbent will receive support from the intramural research program of NIH for computer programming and recruiting a post-doctoral fellow. Interested individuals should send a cover letter; curriculum vitae and bibliography; a brief summary of research experience, accomplishments and research interests and goals; copies of three publications or preprints; and three letters of reference to: Ms. Linda Littlejohn; Division of Cancer Epidemiology and Genetics; National Cancer Institute; 9609 Medical Center Drive, Suite 7E328, MSC 9775; Bethesda, MD 20892-9775. Or e-mail: NCIDCEGOMR@mail.nih.gov. The closing date for applications is February 28, 2017. Please contact Dr. Paul Albert (phone 240-276-7593 or albertp@mail.nih.gov) for questions about the position. DHHS, NIH, and NCI are equal opportunity employers.

Newly Advertised
Assistant Clinical Investigator
National Institute of Nursing Research (deadline: open until filled)

The National Institute of Nursing Research (NINR), seeks an exceptional candidate for the position of Assistant Clinical Investigator (ACI) within the Division of Intramural Research Program (DIR). This is an exciting opportunity to join a growing team that will promote and support collaborations across the basic, translational, and clinical research spectrum. Investigators are supported by a wide array of intellectual, technological, and research resources, including surgical and pathology facilities; animal facilities; and dedicated, high-quality technology cores.

The position is intended for a clinician whose abilities and focus in research would make them a candidate for an independent research career path. This position aims to provide an investigator with advanced mentoring, and necessary resources, and to expand their scientific research programs and actively collaborate both in cutting-edge studies of genetic, lifestyle, and other environmental causes of cancer, as well as in studies of cancer prevention, descriptive and clinical epidemiology. Statistical research is typically motivated by challenges encountered in DCEG studies, such as choosing an efficient study and sampling design, optimally combining data from multiple sources such as electronic medical records, genetic data bases, disease and bio-specimen registries, as well as designing validation studies and methods to evaluate and correct for measurement error in exposures and disease outcomes. The branch has active methodological research programs in areas that include 1) absolute risk prediction, 2) analysis of longitudinal and survival data, 3) analysis and temporal and spatially related incidence data, and 4) the analysis of “omics” data that includes the analysis of data from cutting-edge next generation sequencing.

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