LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

Ludwig-Maximilians-Universität (LMU) München is one of the leading research unversities in Europe, with a more than 500-year-long tradition. As part of the "LMU Academic Career Program", LMU Munich will award

10 Research Fellowships
to excellent junior academics.

The program aims to attract outstanding postdoctoral researchers from all over the world. Applications are welcome from candidates of all disciplines who have completed their doctoral studies within the last three years with outstanding results. Applicants must present an independent research project as part of their application.

The project must be supported by a professor of LMU Munich. The fellows will become members of the Young Center of the Center for Advanced Studies and be able to make use of its services.

Endowment
Research fellows will receive an attractive salary according to the German "*Tarifvertrag der Länder* (TV-L)" (typically TV-L grade E 14). Applicants may apply for an additional start-up funding up to the amount of € 25,000 as well as for material and travel expenses of up to € 10,000 per year. In the first two years after the completion of their research fellowship, the fellows may be granted up to € 5,000 for continuing cooperation with LMU Munich. The fellowships are initially tenable for two years. An extension of two years may be granted upon a positive academic evaluation.

Ludwig-Maximilians-Universität München is an equal opportunity employer committed to excellence through diversity and therefore explicitly encourages women to apply.

Closing date for applications is 1 June 2014.

The fellowships should commence between 1 October 2014 and 1 March 2015.

For all information regarding your application please consult: www.lmu.de/excellent/research-fellowships

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Department of Health and Human Services
National Institutes of Health
Center for Human Immunology, Autoimmunity, and Inflammation
Division on Intramural Research

NIH CENTER FOR HUMAN IMMUNOLOGY

STAFF SCIENTIST/BIOINFORMATICS

The NIH Center for Human Immunology, Autoimmunity and Inflammation (CHI) is a trans-NIH Institutes initiative to study the human immune system in health and disease, using high-throughput multi-dimensional assays and integration of dense data sets with advanced computational approaches.

CHI is recruiting an individual who will have responsibilities in the broad area of computational analysis of diverse data sets from high-throughput assays, such as microarrays, highly-density flow immunocyte phenotyping, multiplex analysis of serum cytokines and proteins, and SNP genotyping. The position involves close collaboration with multiple experimentalists to answer biological questions of interest by advising on study structure and data collection procedures such as batch design to optimize data output for subsequent analysis, performing quality control of experimentally generated data, conducting relevant statistical analyses and modeling of the processed data, and developing and employing advanced bioinformatics methods to integrate the different data sets, including analysis results from CHI studies and knowledge from the literature and public databases. The Staff Scientist position is located in CHI's Bioinformatics Laboratory, and will be part of an existing group that conducts computational activities in support of CHI protocols. To facilitate efficient data retrieval and data mining, this group will build databases and software infrastructure to load, store and organize the diverse data sets, associated metadata, and analysis results from the high-throughput assays. The group also conducts advanced bioinformatics and systems biology research, such as developing novel statistical methods for the analysis and integration of high-dimensional data sets to gain biological insight. Because the computing infrastructure of CHI is by necessity very inhomogeneous, the incumbent will likely need to develop or work with custom hard- and software solutions to accomplish these various goals.

The ideal candidate will have a Ph.D. in computational biology, bioinformatics, systems biology, or relevant disciplines. Three+ years of hands-on research experience with the analysis of high-throughput data sets would be a strong plus. He/she should possess a sound knowledge of statistics and quantitative modeling and solid computer programming skills with proficiency in Matlab/R, SQL, and at least one scripting language (Perl/Python/Ruby). Proficiency in C/C++ and/or Java, as well as experience with multiple OS platforms (Windows, MAC, Linux) are pluses.

How to Apply: Applicants may be U.S. Citizens, resident aliens, or non-resident aliens holding or eligible for a valid employment visa. Applications must be accepted until the position is filled. Please submit a curriculum vitae and brief statement of how your experience relates to the needed qualifications along with 3 letters of reference to: **Neal S. Young, M.D. Director CHI c/o Christen Sandoval Building 15F2 MSC 2664 NIH Bethesda MD 20892**, or electronically to **christen.sandoval@nih.gov**.

Additional information about CHI is available online at: **http://www.nhlbi.nih.gov/resources/chi/index.htm**