



FACULTY POSITIONS

Department of
Computational Biology

Recognized as a world leader of genomic research in pediatric cancer, the Computational Biology department at St. Jude Children's Research Hospital is currently seeking exceptional and creative scientists for multiple FACULTY positions. We are seeking investigators to lead multidisciplinary research programs of systems biology, cellular image analysis and genetics/epigenetics by integrating dry-lab computational methods development with wet-lab experiments. Early career investigators interested in contributing to a culture of excellence at St. Jude are particularly encouraged to apply. This search is also open for mid-career or senior investigators with a strong record of independent research.

As part of a significant expansion from a research program to an academic department, the newly established Computational Biology department occupies 28,700-square-feet of laboratory and office space. Computational Biology investigators have access to dedicated departmental shared resources established for BIG data analysis and functional validation. They include priority access to a high-performance computing facility, a core wet lab available to support dry lab faculty, an engineering team for high throughput data analysis and a genomics laboratory for developing new sequencing technologies and assays. The research environment at St. Jude is highly interactive with collaborative opportunities across all basic research and clinical departments, as well as access to institutional shared resources managed by PhD-level scientists.

We offer very competitive packages, including generous startup funds, computing resources, equipment, laboratory space, personnel support and potential institutional support beyond the start-up phase. A faculty position at the Assistant, Associate or Full Member level may be considered. Successful applicants must hold a PhD degree, have at least three years of relevant postgraduate experience or a demonstrated track record of developing novel, high-impact computational methods. Interested applicants should send via email a curriculum vitae, a 2-3 page summary of research interests, and the names of three references to: ComputationalBiologyRecruitment@stjude.org.

EOE/Minorities/Females/Vet/Disability/Sexual Orientation/Gender Identity



POSTDOCTORAL RESEARCH ASSOCIATE POSITIONS

Department of
Computational Biology

Recognized as a world leader of genomic research in pediatric cancer, the Computational Biology department at St. Jude Children's Research Hospital is currently seeking exceptional and creative scientists for multiple POSTDOCTORAL RESEARCH ASSOCIATE positions in the lab of Dr. Jinghui Zhang to develop and apply innovative analytical and visualization approaches for studying the genome and epigenome of pediatric cancer. The fellows will have access to a wealth of resources including high-quality data, a state-of-art high-performance computing facility, robust analytical pipelines, the latest laboratory technology and research expertise in genomics, cancer biology, mathematics and computer science. The fellows will lead or participate in all aspects of cancer omics studies via multi-disciplinary teamwork and have opportunities to interact with leaders of pediatric cancer and translational research within and outside the institution. For those with ambitious career goals including those with no prior computing experience, inter-disciplinary training will be provided to broaden or strengthen computational or biological expertise.

Job # 34109 is immediately available to join our scientific visualization team to design and implement novel features and to expand the data content for our pediatric cancer genomic data portal initiative (<https://pecan.stjude.org/proteinpaint/>). Review the full description and apply at <http://tinyurl.com/Postdoc34109>

Job # 35345 is immediately available to further ongoing research in developing clonal evolution models of pediatric cancer based on the analysis of next-generation sequencing data. Review the full description and apply at <http://tinyurl.com/Postdoc35345>

Job # 35262 is immediately available to work as part of the NIH-funded Precision Medicine Center established in collaboration with the departments of Pharmaceutical Sciences and Pathology. The fellow will interact with the genomic discovery and visualization team to receive training and contribute new insight in these two areas. Review the full description and apply at <http://tinyurl.com/Postdoc35262>

Contact Information

Jinghui Zhang, PhD
Chair, Department of Computational Biology
St. Jude Children's Research Hospital
E-mail: ComputationalBiologyRecruitment@stjude.org
<https://www.stjude.org/zhang>

EOE/Minorities/Females/Vet/Disability/Sexual Orientation/Gender Identity



UNIVERSITY OF
SOUTH CAROLINA

Director, Viral Vector Core

Individual sought to oversee the day-to-day operations of the Viral Vector Core (VVC) (<http://ppn.med.sc.edu/vector.core.asp>) at the University of South Carolina (USC) School of Medicine. The appointment will be made at the level of a Research Assistant or Research Associate Professor in the Department of Pharmacology, Physiology and Neuroscience, depending on experience. Responsibilities include interaction with investigators, overseeing and participating in the various services provided by the Viral Vector Core, and assisting in the design, production, and characterization of genetically modified viral vectors and vector libraries designed to alter gene expression *in vitro* and *in vivo*. The candidate will join a collegial and collaborative environment with a major USC-wide focus in neurobiology, as well as cancer and cardiovascular research, and this viral core provides a resource for investigators across the University. A PhD and at least three years of experience in using viral vectors and genetic modification of mammalian cells, particularly *in vivo*, is required. Experience in conducting gene expression profiling and measurements also desirable, and individual will interact closely with a COBRE-funded Functional Genomics Core in Targeted Therapeutics (www.sccp.sc.edu/functional_genomics_core).

To apply please submit a single electronic file (PDF or Word) that includes a cover letter summarizing qualifications, curriculum vitae and publication list, a statement of experience and professional goals, and contact information for four references. The file should be attached to an e-mail message sent to **Dr. Marlene Wilson** at director.search@uscmcd.sc.edu with Core Director Search as the subject. Review of applications will begin **June 1, 2016** and continue until the position is filled.

The University of South Carolina is an AA/EOE.

Research Assistant Professor of Systems Pharmacology and Translational Therapeutics



The Department of Pharmacology at the **Perelman School of Medicine** at the **University of Pennsylvania** seeks candidates for an Assistant Professor position in the non-tenure research track. The successful applicant will have experience in the field of mass spectrometry and bioanalytical chemistry. Responsibilities include playing a key role in running the Translational Biomarker Core of the Center of Excellence in Environmental Toxicology. This will involve the maintenance of instrumentation, the conduct of research, and the participation in both routine and collaborative studies with other Center Investigators. Applicants must have a Ph.D. degree and have demonstrated excellent qualifications in research.

A demonstrated record of excellence in studies that leverage interdisciplinary approaches to the study of environmental science is required. Candidates with a record of innovative and collaborative research in mass spectrometry and bioanalytical chemistry are encouraged to apply. Applicants must have a Ph.D. together with postdoctoral experience and a strong publication record.

We seek candidates who embrace and reflect diversity in the broadest sense.

The University of Pennsylvania is an EOE. Minorities/Women/Individuals with disabilities/ Protected Veterans are encouraged to apply.

Apply online at:

http://www.med.upenn.edu/apps/faculty_ad/index.php/g/d4292