

HOUSTON  
**Methodist**  
CANCER CENTER

**Postdoc Position in Computational Immunology**

A bioinformatic postdoc position is available immediately in the Houston Methodist Hospital Research Institute, which is academically affiliated with the Weill Cornell Medical College of Cornell University. The candidate will perform bioinformatics research in the area of immunotherapy and will jointly work with the immunotherapy lab under the lead of Dr. Qing Yi (<https://www.houstonmethodist.org/faculty/qing-yi/>) and the bioinformatics lab under the lead of Dr. Kaifu Chen (<https://openwetware.org/wiki/Chenlab>). Dr. Yi is a leading expert in tumor immunology and immunotherapy for multiple myeloma with over 25 years of NCI funding and publications in leading journals, including Lu et al, *Journal of Clinical Investigations* 2012; Lu et al, *Cancer Cell* 2018; Ma et al, *Cell Metabolism* 2019. Dr. Chen is a computational biologist with research topics covering epigenetics, genomics, cell differentiation, development, and cancer and with high impact publications including: Gu et al, *Science* 2019; Yu et al, *Nature* 2018; Park, *Nature Genetics*, 2018; and Liu et al, *Science* 2017.

Strong candidates must have a PhD in the area of bioinformatics and computational biology. Experience related to immunology, cancer research, chromatin epigenetics, and post-transcriptional regulation of RNA expression is strongly preferred. Research may entail combining cutting-edge bioinformatics technologies to make biomedical discovery on the basis of next generation sequencing data, or developing new bioinformatics algorithms and statistical methods for these discoveries. Successful candidates will have many opportunities to collaborate with top-tier biologists and physician scientists.

To apply for this position, please send your CV, cover letter or research statement, and information for three or more references to **Kaifu Chen** ([kchen2@houstonmethodist.org](mailto:kchen2@houstonmethodist.org)) and **Qing Yi** ([qyi@houstonmethodist.org](mailto:qyi@houstonmethodist.org)).

 **Scripps  
Research**

**Multiple Postdoctoral  
Positions Available**

Postdoctoral positions are available in Dr. Jiang Zhu's laboratory for highly motivated candidates who are interested in vaccine development for HIV-1, HCV, Ebola, Zika, Dengue, Flu, RSV, MERS-CoV, Lassa, and other important viral pathogens. Candidates with prior experience in malaria and tuberculosis vaccine development are also encouraged to apply. Dr. Zhu holds a joint appointment in the Department of Integrative Structural and Computational Biology (ISCB) and the Department of Immunology and Microbiology (IMM) at The Scripps Research Institute in La Jolla, CA (<https://www.scripps.edu/>). Details of Dr. Zhu's laboratory, on-going research projects, and recent publications can be found on <https://www.jzhulab.org>.

Potential projects may involve (1) immunological analysis of vaccine-induced response in small animals and non-human primates, (2) antibody isolation using antigen-specific sorting, functional screening of cultured B cells, and antibody library display, (3) protein- and mRNA-lipid formulation development and testing for vaccine applications, (4) structure-based vaccine design with epitope scaffolding, antigen stabilization, and nanoparticle display, (5) structural characterization of antigen-antibody complexes by X-ray crystallography and cryo-electron microscopy (EM). Successful candidates will have a recent Ph.D. in microbiology, immunology, vaccinology, and structural biology. Prior research experience in live virus culture, animal study, antibody isolation will be a plus. Candidates at both junior and senior levels are welcome to apply.

Interested candidates should send an application packet, including all of the following as a single PDF file by email to Dr. Jiang Zhu ([jiang@scripps.edu](mailto:jiang@scripps.edu)): (1) Cover letter indicating current and future research interest; (2) Expected starting date; (3) Curriculum vitae; (4) Brief summary of previous research experience (2-3 pages); (5) Names and contact information for 3 references.



UNIVERSITY OF  
**SOUTH CAROLINA**  
School of Medicine

**Non-Tenure Track Research  
Assistant Professor**

The Department of Pathology, Microbiology and Immunology at the University of South Carolina's School of Medicine invites applications for a non-tenure track Research Assistant Professor. This position will be part of the phase-2 Center of Biomedical Research Excellence (COBRE) focusing on Dietary Supplements and Inflammation (CDSI). The successful candidate will study effects of plant products (cannabinoids, indoles) and environmental pollutants (AhR ligands) on autoimmune and inflammatory diseases including cancer addressing the epigenetic mechanisms and microbial dysbiosis underlying immune dysregulation.

Candidates must have a PhD in any area of Biomedical Sciences. Preference will be given to candidates who have experience in multi-parameter flow cytometry. Salary commensurate with experience. Please apply to the position by following this link <http://usejobs.sc.edu/postings/54308>.

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