Positions open

The Department of Immunology serves as the focal point for research and education in immunology at Duke. The Department consists of more than 40 basic and clinical scientists, who strive to provide fundamental insights into the development and functioning of the immune system and into pathologies such as immunodeficiency, autoimmunity, infectious disease, and cancer. The following labs are currently seeking postdoc trainees who are interested in pursuing research careers in immunology.

The Ciofani lab seeks talented candidates interested in exploring the regulatory networks that control the development of Type 17 inflammatory responses in infection and autoimmune disease. We employ a variety of genetic deficiency and fate-mapping mouse models; cutting-edge global genomics assays; and human genetics to understand the early differentiation, plasticity, and function of IL-17-producing innate and adaptive immune cells. Motivated candidates with expertise in molecular biology and mouse models are encouraged to apply; experience in human T cell biology or computational biology is also an asset. Please contact maria.ciofani@duke.edu to apply.

The Reinhardt lab is seeking enthusiastic and motivated candidates interested in studying immune cell behavior in the context of infection, malignancy, autoimmunity, and allergic disease. Particular focus is on how various CD4+ T cell subsets and specific cytokines modulate immunity using innovative tools and animal models to track immune cell function in vivo. Candidates with previous experience in mouse models or a strong background in molecular biology are preferred, but all interested candidates are encouraged to apply by contacting lee.reinhardt@dm.duke.edu.

The Sarantopoulos Lab is seeking a B-cell enthusiast at the postdoctoral level. Our lab is interested in understanding the mechanisms leading to major complications, primarily chronic graft-versus-host disease (GVHD), that occur in many patients who have undergone allogeneic stem cell transplantation, and in developing therapeutics to treat these patients. We primarily study the roles of B cells and BAFF in the pathophysiology of chronic GVHD, as well as their roles in anti-leukemia/tumor responses, using primary patient samples and murine models. Our lab previously identified potential therapeutic targets in chronic GVHD via studies of aberrant B cell activation, and a newly acquired R01 grant award to further these investigations has resulted in opening of this new postdoctoral fellow position. The Ph.D. postdoctoral candidate should be a highly motivated, well-trained individual with a strong background in immunology, and with a notable publication record of his/her previous work, who is interested in B cell signaling and activation, and in B cell-T cell interactions. Only candidates well adept at flow cytometry, as well as other standard immunological, biochemical, and molecular biology techniques, will be considered. Please email CV, names and complete addresses of 3 references, and a statement of research experience and goals to: Stefanie Sarantopoulos, M.D., Ph.D., Associate Professor of Medicine, Department of Medicine, Duke University Medical Center, Durham, NC 27710. Email: stefanie.sarantopoulos@duke.edu

The Zhuang Lab is seeking candidates who are interested in furthering their career in basic immunology or transitioning into a new field after Ph.D. training. The position involves developing and using new genetic tools for investigation of fundamental questions in immune tolerance. We are particularly interested in understanding the cellular basis of lifelong maintenance of immune tolerance. Research projects involve lineage marking, bioinformatics assessment, and mosaic analysis of defined groups of T cells in the lifespan of mice. Successful candidates are also encouraged to explore and develop novel autoimmune disease or cancer models by taking advantages of our recently established mosaic analysis tools in the lab. Recent graduates who have strong training background in molecular biology, genetics, or basic immunology are encouraged to enquire the position via E-mail: yzhuang@duke.edu

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