



September 2021 Laboratory Job Opportunities

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Job Openings

Biology

[Postdoc - Genetics of Lung Disease](#)

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[Columbia University](#) - Dr. Christina Kim

New York, NY

The Genetics of Lung Disease Research Program is recruiting a full-time Postdoctoral Research Scientist position in the laboratory of Dr. Christine Garcia. We seek a well-trained and highly motivated scientist to work in close coordination with existing program members. The laboratory employs novel mammalian cell and animal models generated by CRISPR/Cas9 and conditional knockout technologies to study the biology of lung fibrosis, short telomere and senescence related cell signaling, and responses to injury and repair.

[Postdoc - Genomic Instability](#)

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[University of California San Diego](#) - Dr. Richard Kolodner

La Jolla, CA

We are recruiting postdoctoral fellows to conduct basic and preclinical research projects on: (a) DNA mismatch repair mechanisms; (b) Genetic pathways that suppress genome rearrangements; and (c) FEN1 nuclease-targeted cancer therapy. These projects apply the experimental approaches of CRISPR-library screening, gene-editing, whole genome sequencing, single-cell genome and RNA sequencing, high throughput yeast genetics, protein biochemistry, and mouse tumor models to investigate the causes of genome instability. Furthermore, these projects identify and target the vulnerabilities in genome-unstable cancers to advance precision cancer therapy.

[Postdoc - Skeletal Biology](#)

[View Job](#)

[Children's Hospital of Philadelphia](#) - Dr. Fanxin Long

Philadelphia, PA

The Long lab is dedicated to understanding the molecular and metabolic basis for skeletal development and regeneration in both normal and pathological conditions. Current research topics include 1) Skeletal stem and progenitor cells 2) Bone metabolism in type I or type II diabetes and 3) Skeletal aging.

[Postdoc - Immunogenomics](#)

[View Job](#)

[University of Washington](#) - Dr. R. David Hawkins

Seattle, WA

We currently have a Postdoctoral Fellow position available for a chimeric (wet/dry) scientist to specialize in cis-regulatory genomics and epigenomics. We are studying disease-associated variants within cis-regulatory elements (CREs; such as enhancers) using massively parallel reporter assays and chromatin QTL mapping (ATAC-seq) from donor samples, and identifying CRE target genes using 3D genome architecture (Hi-C based methods). CRISPR editing in primary T cells is used for validation studies.

[Research Tech - Synthetic & Development Biology](#)

[View Job](#)

[UCLA](#) - Dr. Amjad Askary

Los Angeles, CA

Working in a state of the art lab at UCLA, the successful candidate would work directly with the PI to set up, maintain and manage the lab. This position would also provide opportunities for the candidate to develop their skills in molecular biology, tissue culture and microscopy. Training in established techniques will be provided as

needed, but the work will require significant independence of day-to-day operations.

Postdoc - Redox Biology

[View Job](#)

Emory University - Drs. Dean Jones & Young-Mi Go

Atlanta, GA

Within the collaborative research of Dean Jones, PhD and Young-Mi Go, PhD postdoctoral trainee will receive advanced training from Dr. Jones and Dr. Go in order to enhance their professional skills and research independence needed for a career in research. The postdoctoral trainee will help design and conduct research in the fields of redox biology, toxicology, molecular and cellular biology, and omics study (redox proteomics, metabolomics, transcriptomics, metallomics).

Postdoc - Human Genetics

[View Job](#)

Case Western Reserve University - Dr. Atul Chopra

Cleveland, OH

A postdoctoral position is open for highly motivated candidates in the laboratory of Dr. Atul Chopra, MD, PhD, at the Harrington Discovery Institute, University Hospitals and Case Western Reserve University in Cleveland, OH. The Chopra lab discovered the fasting induced hormone asprosin that controls appetite, body weight and blood glucose levels. We have identified the central asprosin receptor and characterized the anti-diabetic and anti-obesity effects of anti-asprosin monoclonal antibodies. The lab uses human genetics as an initial impetus but also specializes in biochemistry, molecular biology, cell biology, mouse genetics and physiology to enable the discovery process.

Postdoc - Cancer Biology

[View Job](#)

University of California Davis - Dr. Sanchita Bhatnagar

Davis, CA

Multiple Immediate NIH and DOD-funded Postdoctoral Research Associate positions are available in the newly established Bhatnagar Laboratory at the University of California, Davis, School of Medicine, Department of Medical Microbiology and Immunology. Bhatnagar laboratory has a broad interest in the identification of targetable epigenetic readers, writers, and erasers for which we use large-scale and focused loss-of-function shRNA and CRISPR/Cas9 genetic screens. We routinely use small molecule inhibitors, RNAi, immunotherapies, and nanoparticles to generate effective cancer therapies.

Postdoc - DNA Damage in Cancer

[View Job](#)

Washington University in St. Louis - Dr. Priyanka Verma

St. Louis, MO

The Verma Lab in the Division of Oncology at the School of Medicine, Washington University, St. Louis, MO is seeking a highly motivated postdoctoral fellow interested in studying the cause and consequences of DNA damage in cancers. Several projects are available based on the relevant expertise and interest of the candidate. These include 1) Elucidating the impact of defective checkpoint signaling on DNA replication 2) investigation of biochemical alterations in DNA in BRCA-mutant cancers and 3) Deciphering the mechanistic basis of mutational signatures in cancer genomes.

Postdoc - Signal Transduction of Tumorigenesis

[View Job](#)

University of Arizona - Dr. Alfred Bothwell

Tucson, AZ

This project seeks to explore signal transduction pathways regulating transformation and metastasis. There is an emphasis on intestinal tumorigenesis but multiple human tumor types as well as mouse tumor models are under study. Human PDX models are studied using same patient derived peripheral blood mononuclear cells or in vitro expanded tumor infiltrated lymphocytes.

Postdoc - Non-erythropoietic EPO Derivatives

[View Job](#)

North Carolina Central University - Dr. Jay Xie

Durham, NC

A Postdoctoral Fellow/Research Scientist position is available immediately in the Department of Pharmaceutical Sciences, Biomanufacturing Research Institute & Technology Enterprise (BRITE). Goals of this NIH-supported project are to identify tissue-protective receptor(s) of erythropoietin (EPO), to study neuroprotective properties of a non-erythropoietic EPO derivative and its action mechanism in cell and middle cerebral artery occlusion (MCAO) mouse models. Studies will utilize a range of molecular, cellular, and behavioral approaches.

Research Technician - Structural Biology

[View Job](#)

University of Pittsburgh - Dr. Cheng Zheng

Pittsburgh, PA

In our lab, we use structural biology approaches including protein crystallography and cryo-electron microscopy (cryo-EM) to study molecular mechanisms of function of cell surface receptors such as G protein-coupled receptors (GPCRs). We have extensive collaborations with top academic labs and scientists in pharmaceutical companies. We are seeking a research technician to assist and work with the PI to perform biochemical and molecular studies on some understudied membrane proteins as emerging drug target

Postdoc - Metabolic Regulation of Stem cells

[View Job](#)

de Duke Institue - Dr. Nick Van Gastel

Brussel, Belgium

We are looking for post-doc to pursue a project in our lab aiming at understanding how hematopoietic stem cell competitiveness is regulated by cellular metabolism through the development of new methods for integrated

omics analysis at the single cell level. The goal of our research is to uncover how the fate and function of hematopoietic stem cells is regulated by the bone marrow microenvironment. We focus particularly on the role of nutrients and cell metabolism, using state-of-the-art metabolic analysis techniques in combination with patient samples, mouse models and cell (co-)culture systems to unravel the metabolic dependencies of stem cells and their communication with other cells in the bone marrow niche.

Postdoc - Synaptic Development in *C. Elegans*

[View Job](#)

Albert Einstein College of Medicine- Dr. Perri Kurshan

New York, NY

Projects revolve around understanding the role of synaptic cell adhesion molecules and active zone scaffolds in synapse development and function. We use advanced microscopy, optical neurophysiology, proteomics and genetics to probe how synapses form and function.

Computational Biology

Postdoc - Mycobacterial Genomics

[View Job](#)

Harvard Medical School- Dr. Maha Farhat

Boston, MA

The Farhat Lab in the Department of Biomedical Informatics is seeking a highly motivated 'dry lab' postdoctoral research fellow interested in pursuing innovative studies in the field of infectious disease genomics and its translation to the clinic. The research aims to enhance our understanding of the biology of M. tuberculosis infections and identify molecular markers for the diagnosis and surveillance. The working environment combines the best features of a startup (fast pace, flexibility) with those of one of the leading medical schools (excellent benefits, outstanding opportunities for learning, and great resources).

Postdoc - Neural Computations underlying Social Interactions

[View Job](#)

Stanford University- Dr. Keren Haroush

Stanford, CA

The Haroush lab at Stanford University has open postdoctoral positions for studying the single neuronal and population basis of social interactions. Our lab employs cutting-edge large-scale neural recordings and targeted perturbation in rich social tasks based on game-theory, combined with advanced analytical approaches, brain-computer interface, machine vision and deep learning to get at how complex social computations are implemented at the single neuron and population level.

Postdoc - Quantitative Analysis of Molecular Interactions

[View Job](#)

UT Southwestern - Dr. Khuloud Jaqaman

Dallas, TX

A postdoctoral training position is available in the laboratory of Dr. Khuloud Jaqaman. The successful candidate will conduct research to integrate stochastic mathematical modeling with single-molecule and super-resolution imaging for the quantitative analysis of receptor interactions and signaling. The Jaqaman lab consists of computational and experimental students and postdoctoral fellows, working together in a vibrant collaborative environment to address questions related to molecular interactions and cell signaling.

Postdoc - Neuroengineering

[View Job](#)

University of Minnesota - Dr. Suhasa Kodandaramaiyah

Minneapolis, MN

The Biosensing and Biorobotics Laboratory is seeking two post-doctoral researchers to join our research team. Our laboratory is focused on developing and applying multi-scale neural recording platforms for large-scale brain recordings from 10's of thousands of neurons during free, naturalistic behaviors. Over the last few years, we have engineers a suite of neurotechnologies including automated platforms for cranial microsurgeries, technologies for large-scale imaging for much of the dorsal cortex and miniaturized instrumentation for large-scale neural imaging in freely behaving mice.

Postdoc - Neuroengineering and Translation Lab

[View Job](#)

University of California San Diego - Drs. Jyoti Mishra & Dhakshin Ramanathan

San Diego, CA

The Neural Engineering and Translation Labs (NEAT labs) aim to develop an improved understanding of neural circuits deficits in child and adult psychiatric disorders. We investigate neurophysiology in both animal models and human research and apply neural-engineering methods to target and repair identified circuit deficits. Dr. Mishra's work is focused on developing and testing digital cognitive neuro-technologies to serve experimental diagnostics and therapeutics in human neuropsychiatric populations across the lifespan. Dr. Ramanathan's focus is on developing a greater understanding of how to target and modulate relevant neural circuits in animal models of neuropsychiatric disorders.

Postdoc - Genome Instability

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La Jolla, CA

Seeking postdoctoral fellows to conduct basic and preclinical research projects on: (a) DNA mismatch repair mechanisms; (b) Genetic pathways that suppress genome rearrangements; and (c) FEN1 nuclease-targeted cancer therapy. These projects apply the experimental approaches of CRISPR-library screening, gene-editing, whole genome sequencing, single-cell genome and RNA sequencing, high throughput yeast genetics, protein biochemistry, and mouse tumor models to investigate the causes of genome instability. Furthermore, these projects identify and target the vulnerabilities in genome-unstable cancers to advance precision cancer therapy.

Postdoc - Cancer Epigenetics[View Job](#)Northwestern University- Dr. Shannon Lauberth

Chicago, IL

The Lauberth lab studies how enhancer elements function as key regulators of transcriptional circuits that ensure proper development and control disease states. The individual will perform global profiling analyses using RNA-Seq, PRO-Seq, and ChIP-Seq to identify and classify enhancers and subclasses of noncoding enhancer-derived RNAs (eRNAs) that are emerging as molecular markers to distinguish between different molecular subtypes of cancer and hold great potential to provide significant insight into the etiology and risk factors of human cancers.

Postdoc - ImmunoGenomics[View Job](#)University of Washington - Dr. R. David Hawkins

Seattle, WA

We currently have a Postdoctoral Fellow position available for a chimeric (wet/dry) scientist to specialize in cis-regulatory genomics and epigenomics. We are studying disease-associated variants within cis-regulatory elements (CREs; such as enhancers) using massively parallel reporter assays and chromatin QTL mapping (ATAC-seq) from donor samples, and identifying CRE target genes using 3D genome architecture (Hi-C based methods). CRISPR editing in primary T cells is used for validation studies.

Postdoc - Modeling Immunology in Tuberculosis[View Job](#)University of Michigan - Drs. Jennifer Linderman & Denise Kirschner

Ann Arbor, MI

An exciting opportunity is available for a strong mathematical/computational modeler to work in a multidisciplinary team on immune responses in the context of tuberculosis. The position is available jointly in the laboratories of Jennifer Linderman in Chemical Engineering and Denise Kirschner in the Department of Microbiology and Immunology, both at the University of Michigan. The project uses a systems biology approach to integrate our multi-scale and multi-organ *in silico* models with data from humans and non-human primates derived by our collaborators.

Postdoc - Mechanistic Dissection of the Virome[View Job](#)Johns Hopkins School of Public Health - Dr. Jotham Suez

Baltimore, MD

The Suez lab is looking for a postdoctoral fellow to work on several exciting projects related to the virome and its importance in human health. Naturally occurring eukaryotic viruses and phages are a part of the complex human microbiome. We combine computational and experimental approaches to understand the mechanisms through which they affect human health.

Microbiology

Postdoc - Viral Infections in Pregnancy[View Job](#)Baylor College of Medicine - Dr. Indira Mysorekar

Houston, TX

The Mysorekar lab has opportunities for newly graduated PhD students who seek advanced postdoctoral training in reproductive biology/immunology, viral infections in pregnancy are welcome to apply for this position. These studies involve understanding impact of SARS COV2, or Zika virus infection on pregnancy. Using mouse models, cell culture models, 3D organoid cultures, and placental tissues, we take a variety of approaches to understand viral pathogenesis in an exciting new program researching the immunity at the maternal fetal interface.

Postdoc - Mechanisms of Human Virome[View Job](#)Johns Hopkins School of Public Health - Dr. Jotham Suez

Baltimore, MD

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Postdoc - Mycobacterial Genomics[View Job](#)Harvard Medical School - Dr. Maha Farhat

Boston, MA

Seeking a postdoc interested in pursuing studies in the field of infectious disease genomics and its translation to the clinic. The research aims to enhance our understanding of the biology of *M. tuberculosis* infections and identify molecular markers for the diagnosis and surveillance.

Postdoc- Computational Immunology of TB[View Job](#)University of Michigan - Drs. Jennifer Linderman & Denise Kirschner

Ann Arbor, MI

An exciting opportunity is available for a strong mathematical/computational modeler to work in a multidisciplinary team on immune responses in the context of tuberculosis. The project uses a systems biology approach to integrate our multi-scale and multi-organ *in silico* models with data from humans and non-human primates derived by our collaborators.

Postdoc - Vaccine and Virology[View Job](#)Mayo Clinic Rochester- Drs. Richard Kennedy and Gregory Poland

Rochester, MN

The Mayo Clinic Vaccine Research Group is seeking a Research Fellow committed to developing an academic career in immunology and vaccinology. Under the direction of Drs. Richard Kennedy and Gregory Poland, this position will work in a laboratory that uses state of the art molecular, immunologic, and omics approaches to study immune responses to viral vaccines.

Postdoc - Hepatitis B Virus Research

[View Job](#)

University of Wisconsin-Madison - Dr. Paul Ahlquist
Madison, WI

The Ahlquist laboratory is seeking highly motivated postdoctoral research associates to join and expand our studies of the molecular mechanisms of hepatitis B virus (HBV) replication and host interactions. Outstanding project opportunities are available based on strong foundations in our research and that of our collaborators. These include new roles of key HBV proteins, new facets of HBV–host interactions, and further dimensions in HBV molecular biology.

Postdoc- Human COVID Immunology

[View Job](#)

Oklahoma Medical Research Foundation - Dr. Judith James
Oklahoma City, OK

We are focused on identifying and characterizing mechanisms of COVID pathogenesis and human immune responses against SARS-CoV-2. Dr. Judith James is seeking a Post-Doctoral Fellow with a strong immunology background to be part of the team working to understand mechanisms of COVID pathogenesis in humans by leveraging the extensive resources and data available from our well characterized clinical cohorts.

Postdoc- RNA Virology

[View Job](#)

University of Wisconsin-Madison - Dr. Paul Ahlquist
Madison, WI

The Ahlquist laboratory is seeking highly motivated postdoctoral research associates to join and expand our studies of the molecular mechanisms of replication and host interactions in positive-strand RNA viruses, which include coronaviruses and many other important pathogens. Projects include multiple aspects of the structure, assembly, and function of viral RNA replication complexes, which are fascinating molecular machines and major targets for potentially broad-spectrum virus control.

Immunology

Postdoc - Immunogenomics

[View Job](#)

University of Washington - Dr. R. David Hawkins
Seattle, WA

We currently have a Postdoctoral Fellow position available for a chimeric (wet/dry) scientist to specialize in cis-regulatory genomics and epigenomics. We are studying disease-associated variants within cis-regulatory elements (CREs; such as enhancers) using massively parallel reporter assays and chromatin QTL mapping (ATAC-seq) from donor samples, and identifying CRE target genes using 3D genome architecture (Hi-C based methods).

Postdoc - Neuroimmunology

[View Job](#)

Washington University in St. Louis - Dr. Brian Kim
St. Louis, MO

The Kim Lab is seeking a postdoctoral associate in the Department of Medicine and Center for the Study of Itch and Sensory Disorders. We have a wide range of projects exploring how the sensory nervous system communicates with the immune system to regulate sensation and inflammation at barrier surfaces such as the skin, lung, and gut.

Postdoc - Transcription Factor Regulation of Immunity

[View Job](#)

University of Pittsburgh - Dr. Amanda Poholek
Pittsburgh, PA

The Poholek Lab is seeking a postdoctoral fellow to work on a funded project exploring the cell-type specific expression and function of transcription factors to control immune cell differentiation in infection, cancer, allergies and autoimmunity.

Postdoc - Mechanisms of Arthritis

[View Job](#)

University of California San Diego - Dr. Nunzio Bottini
San Diego, CA

A postdoctoral position is available in the laboratory of Dr. Nunzio Bottini in the Clinical and Translational Research Institute of the University of California, San Diego (UCSD). The laboratory specializes in the roles of protein phosphatases in inflammation and autoimmunity. Available projects are focused on the biology of T cell and/or stromal cells in joint inflammation.

Postdoc - Neuroimmunology of Pain

[View Job](#)

Michigan State University - Dr. Geoffrey Laumet
East Lansing, MI

Our lab investigates the contribution of neuro-immune interactions to the development and resolution of chronic pain. We are seeking a postdoctoral fellow with a background in Immunology or Neuroimmunology to study the role of different immune cells in the spinal cord during various pain states. We are particularly interested by someone with a strong experience in flow cytometry and immunostaining of immune cells and interested to learn more about the interactions between the nervous and immune systems and the contribution of such interactions to Physiology, behaviors, and pain.

Postdoc - TLR Biology/Innate Immunity

[View Job](#)

University of Utah - Dr. Hans Haecker
Salt Lake City, UT

A postdoctoral position to study innate immune signaling pathways and inflammation is available immediately. The research project is aimed at deciphering the cellular and molecular regulation of innate immunity in the context of inflammatory and autoimmune disease. The goal of this project is to reveal the signaling mechanisms and genes controlling TLR biology and their impact on in vivo immunity and inflammation.

Cancer Immunology

Senior Scientist - Human Cancer Immunology

[View Job](#)

University of Pittsburgh - Dr. Dario Vignali

Pittsburgh, PA

A Senior Research Scientist is sought in the lab of Dr. Dario Vignali to assist the PI in running a lab focused on human translational cancer immunology that is based at the UPMC Hillman Cancer Center in Pittsburgh. This lab investigates novel therapeutic cancer immunotherapy targets (inhibitory pathways and cell types) identified in the PI's lab. This individual will play a key role in running, shaping and driving the development of the human translational cancer immunology lab.

Postdoc - Cancer Epigenetics

[View Job](#)

University of California Davis - Dr. Sanchita Bhatnagar

Davis, CA

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Postdoc - DNA Damage in Cancer

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St. Louis, MO

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Northwestern University - Dr. Shannon Lauberth

Chicago, IL

The Lauberth lab studies how enhancer elements function as key regulators of transcriptional circuits that ensure proper development and control disease states. The individual will perform global profiling analyses using RNA-Seq, PRO-Seq, and ChIP-Seq to identify and classify enhancers and subclasses of noncoding enhancer-derived RNAs (eRNAs) that are emerging as molecular markers to distinguish between different molecular subtypes of cancer and hold great potential to provide significant insight into the etiology and risk factors of human cancers.

Postdoc - Role of Tregs in Cancer

[View Job](#)

University of Pittsburgh - Dr. Dario Vignali

Pittsburgh, PA

The successful applicant will investigate the role of regulatory T cells (Tregs) within the human tumor microenvironment with the goal of understanding novel mechanisms that control their function and survival, and identifying and developing Treg-specific targets for therapeutic intervention. This project will emphasize analysis of fresh samples or tissue sections from banked samples derived from a variety of human cancers using a variety of complex system biology approaches (scRNAseq and CRISPR), several multispectral imaging approaches and other sophisticated immunological techniques.

Postdoc - Neuroblastoma Immunology

[View Job](#)

Children's Hospital of Philadelphia- Dr. Yael P. Mossé

Philadelphia, PA

Seeking a postdoctoral fellow focused on developing targeted immune-therapies for childhood cancers. Our research is focused on neuroblastoma, a common and often devastating childhood cancer of the peripheral nervous system. This position has two central projects, both focused on therapeutic targeting of the dominant oncogenes driving the growth of neuroblastoma: MYCN and ALK.

Postdoc - Tumor Immunology

[View Job](#)

Weill Cornell Medicine- Dr. Xiaojing Ma

New York, NY

Seeking a post-doctoral research associate in the Department of Microbiology and Immunology. The laboratory projects will involve preclinical modeling that involves a novel E3 ubiquitin ligase (UBR5) and its immunoregulatory activities in tumor cells as well as the associated tumor microenvironment.

Postdoc - T-cell Destabilization in Cancer

[View Job](#)

MD Anderson Cancer Center - Dr. Mauro Di Pilato

Houston, TX

The focus of our lab is to investigate the mechanisms that regulate T cell destabilization and infiltration in cancer. We want to understand how antigen-presenting cells control Treg reprogramming and accumulation within the tumor microenvironment. Our final goal is to develop new strategies for patients that do not respond to current cancer immunotherapies.

Postdoc - Tumor Immunology

[View Job](#)

Weill Cornell Medicine - Dr. Roberta Zappasodi

New York, NY

Seeking a postdoctoral fellow experienced in tumor immunology, immunotherapy, T and B cell biology or other relevant areas to participate in translational research projects aimed at elucidating the impact of T cell regulatory mechanisms and anti-tumor humoral immunity in the response to cancer immunotherapy. Research projects involve, but are not limited to: 1) the analysis of conventional and non-conventional immunosuppressive CD4+ T cells as mechanisms of resistance to immunotherapy; 2) the role of antibody responses in the anti-tumor activity of immune checkpoint blockade therapy; and 3) the study of the immune microenvironment in the pathogenesis of B cell lymphomas and its role in their response to immunotherapy.

Neuroscience/Neurobiology

Postdoc - Systems/Cognitive Neuroscience

[View Job](#)

University of California San Diego- Neural Engineering & Translation Labs

San Diego, CA

The Neural Engineering and Translation Labs aim to develop an improved understanding of neural circuits deficits in psychiatric disorders. We investigate neurophysiology in both animal models and human research and apply neural-engineering methods to target and repair identified circuit deficits. We are looking for post-doctoral candidates interested either in human EEG-based neurophysiology or in animal neurophysiology; design and application of closed-loop methods to target and modulate brain circuits; and a deep passion for developing novel treatments for neuro-psychiatric disorders.

Postdoc - Mechanisms of Social Attachment

[View Job](#)

University of California San Francisco - Dr. Devanand Manoli

San Francisco, CA

Research will focus on understanding the neural mechanisms underlying social attachment in prairie vole models. This project relates to the deficits in social communication and attachment that occur as a consequence of mutations associated with Autism Spectrum Disorder (ASD). Techniques used include genomics, in vivo calcium imaging (miniature microscopes, fiber photometry), behavior, and data analysis using genetically modified prairie voles.

Postdoc - Neuroengineering

[View Job](#)

University of Minnesota- Biosensing and Biorobotics Laboratory

Minneapolis, MN

Seeking two post-doctoral researchers to join our research team. Our laboratory is focused on developing and applying multi-scale neural recording platforms for large-scale brain recordings from 10's of thousands of neurons during free, naturalistic behaviors. Current and future focus in the lab is on pushing these robotic, electrophysiological and imaging technologies to further enhance the spatio-temporal precision of neural recordings.

Postdoc - Mechanisms of Social Behavior

[View Job](#)

University of North Carolina- Dr. Jessica Walsh

Chapel Hill, NC

A position is available for a Postdoctoral Research Associate (RA) in the laboratory of Dr. Jessica Walsh at the University of North Carolina, Chapel Hill in the Department of Pharmacology. The overall goal of the Walsh lab is to gain an improved understanding of the genetic, molecular, and circuit mechanisms that regulate motivated behaviors and what alterations occur that are involved in the pathophysiology of neurodevelopmental diseases.

Postdoc - Neuroimmunology

[View Job](#)

Washington University in St. Louis - Dr. Brian Kim

St. Louis, MO

The Kim Lab is seeking a postdoctoral associate in the Department of Medicine and Center for the Study of Itch and Sensory Disorders. We have a wide range of projects exploring how the sensory nervous system communicates with the immune system to regulate sensation and inflammation at barrier surfaces such as the skin, lung, and gut.

Postdoc - Vision Neuroscience

[View Job](#)

University of California San Francisco - Dr. Yvonne Ou

San Francisco, CA

Our group is interested in studying the early mechanisms underlying retinal ganglion cell degeneration and circuit remodeling in glaucoma. Our approach takes advantage of mouse models of experimental glaucoma, biolistic transfection of cells, microscopy, electrophysiology, and molecular and cellular biology.

Postdoc - Neural Mechanisms of Memory

[View Job](#)

University of Pittsburgh - Drs. Guillermo Burgos & David Lewis

Pittsburgh, PA

Our labs are part of the group of laboratories, in our NeuroNex network, using patch clamp electrophysiology in acute brain slices to investigate the cellular physiology of neurons involved in the mechanisms of working memory. The candidate will join a dynamic and vibrant international group of researchers with frequent interactions and discussions.

Postdoc - Neuroimmunology of Pain

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Michigan State University - Dr. Geoffrey Laumet

East Lansing, MI

Our lab investigates the contribution of neuro-immune interactions to the development and resolution of chronic pain. We are seeking a postdoctoral fellow with a background in Immunology or Neuroimmunology to study the role of different immune cells in the spinal cord during various pain states. We are particularly interested by someone with a strong

experience in flow cytometry and immunostaining of immune cells and interested to learn more about the interactions between the nervous and immune systems and the contribution of such interactions to Physiology, behaviors, and pain.

Postdoc - Neurologic Channelopathies

[View Job](#)

University of Iowa- Dr. Chris Ahern

Iowa City, IA

Seeking a postdoc to study molecular mechanisms of childhood epilepsies, rare genetic disease, and Autism Spectrum Disorders. Projects involve the use of patient iPSC and animal models to develop RNA therapeutics. Help to direct a team using iPSC and new mouse models of neurological genetic disease, design electrophysiological experiments, experience with patch-clamp electrophysiology, ion channels, molecular biology, and viral delivery are preferred.

Postdoc - Neuroblastoma Immunology

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Philadelphia, PA

Seeking a postdoctoral fellow focused on developing targeted immune-therapies for childhood cancers. Our research is focused on neuroblastoma, a common and often devastating childhood cancer of the peripheral nervous system. This position has two central projects, both focused on therapeutic targeting of the dominant oncogenes driving the growth of neuroblastoma: MYCN and ALK.

Postdoc - Neural Control of Metastasis

[View Job](#)

Mount Sinai School of Medicine - Drs. Deanna Benson & Javier Bravo-Cordero Lab

New York, NY

The Benson and Bravo-Cordero Labs are recruiting a Postdoctoral Fellow for a funded, collaborative project that bridges the fields of neuroscience and cancer. This is an opportunity to work with a highly motivated team on a series of questions that rely on microscopy-based strategies (including 2-photon and light sheet). Some experience in these areas is a plus.

Postdoc - Neuroprotection in Stroke Models

[View Job](#)

North Carolina Central University- Dr. Jay (Jiahua) Xie

Durham, NC

Goals of this NIH-supported project are to identify tissue-protective receptor(s) of erythropoietin (EPO), to study neuroprotective properties of a non-erythropoietic EPO derivative and its action mechanism in cell and middle cerebral artery occlusion (MCAO) mouse models. Studies will utilize a range of molecular, cellular, and behavioral approaches.

GI/Metabolism

GI/Metabolism Scientist

[View Job](#)

Kallyope - GI & Metabolism Team

New York, NY

The GI/Metabolism Scientist will be responsible for taking novel targets and advancing them as drug discovery programs. The successful candidate will be highly motivated with a background in gut biology/metabolism. Responsibilities include 1) Designing and running experiments to validate the mechanism of action for specific targets and advance target validation programs in GI and/or metabolism disease areas and 2) Analyzing novel sequencing and circuit-tracing data and proposing new target validation programs.

Research Scientist - GI Ion Transport

[View Job](#)

Stanford University- Dr. Zachary Sellers

Stanford, CA

The Sellers Laboratory in the Division of Pediatric Gastroenterology is seeking a Research Scientist to work closely with Dr. Sellers and his research team using human intestinal organoids to study ion transport in pediatric intestinal diseases (e.g., cystic fibrosis, inflammatory bowel disease, celiac disease). The Sellers Laboratory uses a variety of methodologies including, but not limited to: Using chambers, short-circuit current, pH-stat, back-titration, RNA/DNA sequencing (single cell and bulk), and fixed and live cell imaging in cell/animal/human models.

Postdoc - Endocrinology

[View Job](#)

Case Western Reserve University- Dr. Atul Chopra

Cleveland, OH

A postdoctoral position is open for highly motivated candidates at the Harrington Discovery Institute. The Chopra lab discovered the fasting induced hormone asprosin that controls appetite, body weight and blood glucose levels. We have identified the central asprosin receptor and characterized the anti-diabetic and anti-obesity effects of anti-asprosin monoclonal antibodies. The lab uses human genetics as an initial impetus but also specializes in biochemistry, molecular biology, cell biology, mouse genetics and physiology to enable the discovery process.

Postdoc - Bone Metabolism in Diabetes

[View Job](#)

Children's Hospital of Pittsburgh - Dr. Fanxin Long

Philadelphia, PA

The Long lab is dedicated to understanding the molecular and metabolic basis for skeletal development and regeneration in both normal and pathological conditions. Current research topics include Bone metabolism in type I or type II diabetes: Both juvenile and adult diabetes are associated with increased bone fractures. Current studies are uncovering the cellular and molecular basis for the bone frailty in diabetic mouse models, with the goal of discovering new therapeutic targets.

Postdoc - Vitamin K Biology

[View Job](#)

Montreal Clinical Research Institute - Dr. Mathieu Ferron

Montreal, Canada

Our lab is studying this post-translational modification in normal physiology and in diseases, including diabetes, osteoporosis and cancer. The current project will focus on understanding how bone mass is regulated by vitamin K-dependent carboxylated proteins using biochemical, cellular and molecular biology approaches, as well as conditional knockout mouse models to study the function of gamma-carboxylation in vivo in bone. We are also developing proteomics approaches to identify novel gamma-carboxylated proteins implicated in the regulation of bone mass.

Postdoc - Liver Physiology & Metabolism

[View Job](#)

Wayne State University - Dr. Shengyi Sun

Detroit, MI

The main focus of the Sun lab is to delineate the physiological significance and underlying molecular mechanism of endoplasmic reticulum (ER)-associated protein degradation (ERAD) machinery in health and disease, with special focus on the regulation of liver homeostasis. The lab uses interdisciplinary state-of-the-art approaches, powered by cell type-specific mouse models and CRISPR technology, to address the important questions.

Postdoc - Neuroimmunology

[View Job](#)

Washington University in St. Louis - Dr. Brian Kim

St. Louis, MO

The Kim Lab is seeking a postdoctoral associate in the Department of Medicine and Center for the Study of Itch and Sensory Disorders. We have a wide range of projects exploring how the sensory nervous system communicates with the immune system to regulate sensation and inflammation at barrier surfaces such as the skin, lung, and gut. Techniques we employ include mouse modeling, calcium imaging of neurons, multidimensional flow cytometry and CyTOF, single cell RNA- and ATAC-seq, intravital 2-photon imaging, and intersectional genetics in mice.

Postdoc - Liver Cell Biology/Hepatology

[View Job](#)

UT Southwestern - Dr. Yujin Hoshida

Dallas, TX

We are seeking postdoc fellows experienced in liver cell biology and/or clinical hepatology to participate in translational research projects for clinical outcome prediction, disease classification, and therapeutic target discovery in liver cirrhosis and cancer. The candidates will work with multidisciplinary team of physician scientists, basic biologists, computational biologists, and clinicians at the institution and national/international collaborating institutions, and have ample opportunities of scientific publications and presentations.

Postdoc - Colorectal Cancer

[View Job](#)

Princess Margaret Cancer Centre - Dr. Catherin O'Brien

Toronto, Canada

Our research program focuses on identifying new therapeutic strategies for the treatment of colorectal cancer. Specifically our lab is focused on targeting the unique vulnerabilities of cancer cells when they are in the drug tolerant persister state. Genetics, proteomics, transcriptomics, bioinformatics, Genome-wide CRISPR-Cas9 screening, biochemistry and molecular analyses of human cancer cells, mouse models and primary samples (including organoid cultures) are used for our studies.

Ophthalmology/Visual Sciences

Postdoc - Lens Size Control and Cataractogenesis

[View Job](#)

University of California Berkeley - Dr. Xiaohua Gong

Berkeley, CA

NIH funded postdoc position is available immediately to study molecular and cellular mechanisms of eye and lens growth during development and molecular genetics of cataract formation and cataract prevention by utilizing state of the art molecular biological tools and advanced in vivo imaging tools. The position will work in the Gong laboratory at the University of California at Berkeley in collaboration with the Shen lab at UCSF using functional genomics tools to study gene regulation.

Postdoc - Mechanisms in Glaucoma

[View Job](#)

University of California San Francisco - Dr. Yvonne Ou

San Francisco, CA

The Ou laboratory at the University of California, San Francisco is recruiting a highly motivated and creative scientist to join our team as a Postdoctoral Research Scholar. Our group is interested in studying the early mechanisms underlying retinal ganglion cell degeneration and circuit remodeling in glaucoma. Our approach takes advantage of mouse models of experimental glaucoma, biolistic transfection of cells, microscopy, electrophysiology, and molecular and cellular biology.

Postdoc - Mechanisms of Retinal Degeneration

[View Job](#)

Washington University in St. Louis - Dr. Shiming Chen

St. Louis, MO

Seeking a postdoctoral researcher to work on understanding inherited retinal degeneration. The Chen Lab studies the cellular and molecular mechanisms regulating photoreceptor gene expression in the retina and diseases associated with misregulation. The current research focuses on the Cone-Rod Homeobox (CRX) transcription factor and associated blinding retinopathies. Both basic science research and clinical study are involved. To understand pathogenesis of human mutations and develop treatment strategies, the Chen lab creates and characterizes mouse models using molecular imaging, electrophysiology and functional genomics.

Postdoc - Visual Cortical Information Processing

[View Job](#)

Duke University - Drs. Josh Huang & Lindsey Glickfeld

Durham, NC

Seeking a postdoctoral fellow to work jointly between the two labs on projects that address the cell type and neural circuit

basis of visual cortical information processing. These studies will take advantage of cutting edge molecular genetic and systems neuroscience approaches to systematically examine how distinct sets of excitatory and inhibitory cell types are integrated into the cortical circuit to support sensory processing and perception.

Postdoc - Mechanotransduction in Retinal Neurons & Glia

[View Job](#)

University of Utah- Dr. David Krizaj

Salt Lake City, UT

NIH funded postdoc position is available immediately to study molecular and cellular mechanisms of mechanotransduction mechanisms in the retina. The candidate would work in a collaborative research environment, with a path towards independence. Experience in electrophysiological and optical imaging techniques, specifically whole cell patch clamp and two-photon microscopy, is preferred, although experience in retinal neuroscience is NOT.

Postdoc - Circuit Tracing the Early Visual System

[View Job](#)

Northwestern University- Dr. Greg Schwartz

Chicago, IL

The laboratory of Greg Schwartz at Northwestern University's Feinberg School of Medicine in Chicago is seeking applications for a postdoctoral fellow to work on circuit tracing in the early visual system of mice. Our lab's core expertise is on visual circuits in the retina, including neuronal biophysics, synaptic connectivity, and computational modeling.

Postdoc - Development of Thalamic Visual Function

[View Job](#)

Yale University- Drs. Liang Liang & Michael Crair

New Haven, CT

We are looking for a postdoctoral associate to join a collaborative project between the laboratories of Dr. Liang Liang and Dr. Michael Crair in the Department of Neuroscience at Yale School of Medicine. The project will focus on understanding how neural activity contributes to the establishment of thalamic visual function during development. The postdoctoral associate is expected to bridge strengths from both labs to unveil the mechanisms underlying the development of functional selectivity in the early visual system.

Chemical Sciences/Pharmacology

Postdoc - Protein Dynamics in the Extracellular Matrix

[View Job](#)

Case Western Reserve University- Dr. Lydia Kisley

Cleveland, OH

Postdoctoral positions are available immediately in the lab of Prof. Lydia Kisley. The Kisley lab studies soft materials using single molecule microscopy with the goal to advance the single molecule materials field towards more complex, realistic conditions. The specific research area of both positions involves developing and applying super-resolution microscopy to study protein folding and diffusion within the extracellular matrix

Scientist, Senior Scientist - Process Development

[View Job](#)

Amunix Pharmaceutical Inc.

San Francisco, CA

The Process Development Scientist will lead the continued optimization of Amunix's established purification processes, initiate project-specific purification development strategies, and perform purification operations. This position heavily supports Amunix's R&D efforts, and it interfaces internally with Molecular Biology, Fermentation Operations, and Analytical Chemistry as well as externally with partners both domestic and abroad.

Research Tech - Structural Biology & Protein Engineering

[View Job](#)

University of Pittsburgh- Dr. Cheng Zheng

Pittsburgh, PA

The Cheng Zhang lab at the University of Pittsburgh is looking for a Research Technician. In our lab, we use structural biology approaches including protein crystallography and cryo-electron microscopy (cryo-EM) to study molecular mechanisms of function of cell surface receptors such as G protein-coupled receptors (GPCRs). We have extensive collaborations with top academic labs and scientists in pharmaceutical companies. We are seeking a research technician to assist and work with the PI to perform biochemical and molecular studies on some understudied membrane proteins as emerging drug targets.

Research Associate - Protein Purification/Process Development

[View Job](#)

Amunix Pharmaceutical Inc.

San Francisco, CA

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Postdoc - Genomic Instability

[View Job](#)

University of California San Diego- Dr. Richard Kolodner

La Jolla, CA

We are recruiting postdoctoral fellows to conduct basic and preclinical research projects on: (a) DNA mismatch repair mechanisms; (b) Genetic pathways that suppress genome rearrangements; and (c) FEN1 nuclease-targeted cancer therapy. These projects apply the experimental approaches of CRISPR-library screening, gene-editing, whole genome sequencing, single-cell genome and RNA sequencing, high throughput yeast genetics, protein biochemistry, and mouse tumor models to investigate the causes of genome instability. Furthermore, these projects identify and target the

Research Associate - Pharmacology

[View Job](#)

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San Francisco, CA

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Postdoc - Protein Cysteine Glutathionylation

[View Job](#)

Wayne State University - Dr. Young Hoon Ahn

Detroit, MI

Seeking both a Postdoctoral candidates and Research Assistant with a research background in Chemical Biology and Biochemistry. We use the interdisciplinary approach to investigate protein cysteine glutathionylation. Candidates will focus on the development and application of chemical probes for chemical proteomic analyses of protein cysteine glutathionylation in cellular and animal models. The Ahn laboratory studies on protein cysteine glutathionylation in two biological models, 1) glutathionylation of cardiac proteins in ischemic stress and 2) glutathionylation of signaling proteins associated with cell migration.

Associate Scientist I, II or III, Discovery Research

[View Job](#)

NextCure Inc.

Beltsville, MD

NextCure is a clinical-stage biopharmaceutical company committed to discovering and developing novel, first-in-class immunomedicines to treat cancer and other immune-related diseases by restoring normal immune function. We are seeking a highly motivated Associate Scientist with in vivo research proficiency to join our team. The NextCure Discovery Department employs multiple function-based, high-throughput screening approaches to identify proteins with novel immune function in cancer and other diseases for the development of novel, first-in-class immunotherapies. This position will focus on in vivo disease modeling of novel targets identified with our Discovery platforms, as well as bench work related to in vivo studies, including cell line culture and human immune cell isolation.

Postdoc - Redox Biology

[View Job](#)

Emory University - Drs. Dean Jones & Young-Mi Go

Atlanta, GA

Postdoctoral trainee will receive advanced training from Dr. Jones and Dr. Go in order to enhance their professional skills and research independence needed for a career in research. The postdoctoral trainee will help design and conduct research in the fields of redox biology, toxicology, molecular and cellular biology, and omics study (redox proteomics, metabolomics, transcriptomics, metallomics).

Scientist I, II or III, Discovery Research

[View Job](#)

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Postdoc - Cell Envelope Processes

[View Job](#)

Stony Brook University - Dr. Jessica Seeliger

Stony Brook, NY

Postdoc position open to work independently and collaboratively on multiple projects investigating mechanisms of lipid and protein transport through the mycobacterial cell envelope. Opportunities for methods development and application in proximity labeling, lipid profiling, etc. Hands-on experience with mass spectrometry, especially metabolomics or lipidomics. Experience with lipid analytical chemistry such as extraction, thin-layer chromatography, radiometric analysis techniques is preferred.

Postdoc - Analyses of Metalloproteinases

[View Job](#)

Oklahoma State University - Dr. Joshua Muia

Tulsa, OK

Seeking a Postdoctoral Fellow to conduct structure-functional studies of ADAMTS metalloproteases. The successful candidate will join an inclusive and dynamic team that has broad research interests in bleeding, thrombotic and cardiovascular disorders. The lab offers a conducive environment for research, collaborations, and career growth. The candidate will have access to a variety of research equipment including, but not limited to FPLC, HPLC, Confocal Microscopes, PCR machine, Microplate readers, and cryogenic freezers.

Postdoc - Structural Analysis of Inhibitory Receptors

[View Job](#)

University of Pittsburgh - Dr. Dario Vignali

Pittsburgh, PA

The successful applicant will work on two related projects, supported by two NIH R01 grants, that will perform structure-

function analysis of the inhibitory receptor LAG3 and the TCR:CD3 complex using advanced single molecule microscopy techniques, a variety of signaling techniques, complex mouse models, and other sophisticated immunological techniques. The successful applicant will work with our structural biology collaborators at the University of Maryland who are applying NMR, crystallographic and cryo EM approaches in the project.

Postdoc - Drug Delivery

[View Job](#)

University of California Riverside - Dr. Edward Zagha
Riverside, CA

Seeking 1 or 2 full-time post-doc positions to join a newly developed, highly collaborative translational research project. The goal of the project is to develop a drug delivery platform for focal drug targeting. This research project is interdisciplinary, involving materials engineering, pharmacology, small animal surgery, histology, and electrophysiology.

Postdoc - Function of Jumonji Enzymes

[View Job](#)

UT Southwestern - Dr. Elisabeth Martinez
Dallas, TX

Postdoctoral positions are available in the laboratory of Dr. Elisabeth D. Martinez, in the Department of Pharmacology at UT Southwestern Medical Center to study the role of Jumonji demethylases in epigenetics and/or mechanisms of therapeutic resistance. Our laboratory has several exciting funded projects that seek to use pharmacological, biochemical and molecular biology techniques to define the role of Jumonji histone demethylases enzymes in human disease.

Postdoc - Proteomics

[View Job](#)

University of Texas Austin - Dr. Edward Marcotte
Austin, TX

A diverse 15+ person laboratory is seeking 2-3 postdoctoral researchers. Our research lies at the interface of comparative evolution and human disease, often using systems, synthetic, and computational biology approaches. Think deep homology meets proteomics. Research topics range from the discovery of ancient biochemical systems, the invention of new proteomics technologies, or the study of the structure, function, and evolution of proteins driving embryonic development.

Postdoc - Neuropharmacology

[View Job](#)

Cold Spring Harbor Laboratory - Dr. Hiro Furukawa
Cold Spring Harbor, NY

We have a postdoctoral fellow position opening for a collaborative and energetic scientist who is interested in pursuing questions in neurobiology of learning/memory, neurological disease/disorder, and neuron-cancer interfaces. The HF lab conducts a combination of biochemistry, cryo-EM/crystallography, molecular dynamics, electrophysiology, protein engineering, compound development, and cellular imaging. CSHL is equipped with a Titan-KRIOS electron microscope/K3 direct electron detector and has convenient access to the NSLS-II synchrotron beamlines (AMX and FMX). CSHL has solid core facilities including antibody production, neuro/cancer imaging, CRISPR/RNAi, animal, etc.

Postdoc - Single-molecule Biophysics Analysis of Collagen

[View Job](#)

Simon Fraser University - Dr. Nancy Forde
Vancouver, Canada

The Forde Lab is seeking a postdoctoral research associate able to exploit and further develop assays examining the sequence-dependent structural response of collagen proteins to applied external forces. Single-molecule manipulation experiments in which the postdoc can be involved are enzymatic assays in our first-generation wireless centrifuge force microscope (CFM); contributing to the development of a second-generation, higher-throughput CFM; and developing and implementing force-dependent binding assays in our new magnetic tweezers + single-molecule TIRF microscope.

Industry

GI/Metabolism Scientist

[View Job](#)

Kallyope - GI & Metabolism Team
New York, NY

The GI/Metabolism Scientist will be responsible for taking novel targets and advancing them as drug discovery programs. The successful candidate will be highly motivated with a background in gut biology/metabolism. Responsibilities include 1) Designing and running experiments to validate the mechanism of action for specific targets and advance target validation programs in GI and/or metabolism disease areas and 2) Analyzing novel sequencing and circuit-tracing data and proposing new target validation programs.

Scientist, Senior Scientist - Process Development

[View Job](#)

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San Francisco, CA

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Research Associate - Protein Purification/Process Development

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[Scientist I, II or III, Discovery Research](#)

[View Job](#)

NextCure Inc.

Bethesda, MD

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[Research Associate- Cancer Immunology](#)

[View Job](#)

Amunix Pharmaceuticals Inc

San Francisco, CA

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[Associate Scientist I, II or III, Discovery Research](#)

[View Job](#)

NextCure Inc.

Bethesda, MD

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[Scientist, Assay Development](#)

[View Job](#)

Telis Bioscience Inc.

Cambridge, MA

You will be responsible for developing and optimizing biophysical, biochemical, and cell-based assays to analyze our engineered proteins. The assays you develop will form a core part of our engineering process and will be integrated into our automated, high-throughput platform. This position is ideal for someone with extensive experience in assay development who is ready to take the speed, throughput, and reliability of antibody characterization to a whole new level.

[Research Assistant - Endothelial Microfluidics](#)

[View Job](#)

Biochip Labs Inc

Cleveland, OH

BioChip Labs, Inc. is seeking a research assistant/technician to perform detailed laboratory analysis and related tasks for novel high complexity blood testing and cell culture research. Responsibilities for this position include fabrication of microfluidic devices, performing cell culture and blood cell adhesion experiments, data generation/analysis, reporting, and general laboratory work.

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