Cold Spring Harbor Laboratory

Scientific Career Opportunities

Postdoctoral Fellow – Borniger Lab – 03038-R

The Borniger Laboratory at CSHL is seeking a highly motivated, creative, and interactive postdoctoral researcher with strong experimental and analytical skills to contribute to research on the neural circuitry controlling systemic energy metabolism in the steady state and during cancer progression. The Borniger Laboratory uses techniques from systems neuroscience, immunology, endocrinology, and cancer biology to disentangle communication pathways between cancer and the nervous system.

Postdoctoral Fellow – Cheadle Lab – 02749-R

The Cheadle Lab at Cold Spring Harbor Laboratory is inviting applications from highly motivated candidates for a postdoctoral position investigating interactions between neurons and immune cells (microglia) in the developing brain. We employ a unique multidisciplinary strategy to study these interactions that merges two-photon imaging in the brains of live awake mice, single-cell or low input genomics, and standard molecular and cell biological approaches.

Computational Post Doc – Dobin Lab – 02145-R

Join a team of biological data scientists working on novel statistical methods and computational algorithms for multi-omics processing and integration, and leverage Big Genomic Data to elucidate various problems in precision health, such as genetic and epigenetic mechanisms of cancer development and progression, and the clinical impact of functional variants.

Computational Post Doc – Engel Lab – 02973-R

We are looking for theoretical/computational scientists to work at the exciting interface of systems neuroscience, machine learning, and statistical physics, in close collaboration with experimentalists. The postdoctoral scientist is expected to exhibit resourcefulness and independence, developing computational models of large-scale neural activity recordings with the goal to elucidate neural circuit mechanisms underlying cognitive functions.

Postdoctoral Fellow – Janowitz Lab – 02988-R

The Janowitz Laboratory at CSHL is seeking a highly motivated, creative, and interactive postdoctoral researcher with strong experimental and analytical skills to contribute to research on the connectivity of the host response to cancer. We employ pre-clinical and clinical research to develop and test new treatment strategies and to discover fundamental biological interactions between tumors and host organ systems.

Postdoctoral Fellow – Kinney Lab – 02993-R

The lab of Justin B. Kinneyseeks a self-directed postdoctoral fellow who is passionate about quantitatively understanding alternative mRNA splicing in humans, as well as the mechanisms by which splice-modifying drugs work. The position will primarily involve experimental work, carried out in the Kinney Lab, using a combination of massively parallel reporter assays, high-precision biochemical assays, and other techniques as needed.

Computational Post Doc – McCandlish Lab – 02798-R & 02802-R

The successful candidate will develop new statistical and mathematical techniques for modeling the effects of mutations and will conduct analyses on a variety of data sets. Current research directions involve semi-parametric statistics, Markov chains, Gaussian processes, and population-genetic theory.

Computational Post Doc – Meyer Lab – 02556-R

We are seeking postdoctoral fellows to study tolerance induction and generation of diversity in the immune system through a mixture of wet lab and computational approaches. The successful candidate will develop creative approaches to study regulation of gene expression on a cellular and tissue-wide level in the context of T cell development. This position is an excellent opportunity to gain expertise in immunology and develop computational skills for analyzing, integrating and interpreting large data sets.

Joint Postdoctoral Fellow – Meyer Lab & Navlakha Lab – 02556-R

The Meyer and Navlakha labs in the Simons Center for Quantitative Biology at Cold Spring Harbor Laboratory are looking for a post-doctoral fellow interested in combining computational and experimental approaches to study tolerance induction and generation of diversity in the immune system. Computationally, the position will require experience in machine learning and statistics. Experimentally, the position will require experience in *in vitro* imaging combined with cell tracking experiments and tissue culture.

Postdoctoral Fellow – Moses Lab – 03013-R

You will work on a collaborative project between the Moses and Tuveson laboratories, focusing on novel strategies for enzymes involved in cancer pathogenesis. You will be a crucial member of the Chemistry team based in the new $75 million Center for Therapeutic Research (CTR).

Computational Post Doc – Navlakha Lab – 02441-R

We are looking for post-docs broadly interested in studying biological information processing from an algorithmic perspective. The goal is to discover new ideas for computation by studying problem-solving strategies used in nature, and to ground these ideas by fostering deep collaborations with experimental biologists. Most recently, we have been interested in neural circuit computation and plant architecture optimization, but new areas are also welcome!

Postdoctoral Fellow– Pedmale Lab - 02864-R

The successful candidate will carry out NIH-funded research to understand the light control of cellular communication and growth in plants with an emphasis on RNA modifications. The project aims to decipher how different light signals are perceived, processed, integrated, and decisions are made in the plants. The Pedmale Laboratory uses a combination of molecular, biochemical, proteomics, genomics, next-generation phenotyping, and computational approaches to answer fundamental biological questions.

Postdoctoral Fellow– Pouchelon Lab – 03030-R

The Pouchelon Lab at Cold Spring Harbor Laboratory is inviting applications from highly motivated candidates for a postdoctoral position. In the lab, we investigate the nature/nurture mechanisms involved in the development of cortical neural circuits and their alterations in neurodevelopmental disorders. More specifically, we focus on the various neuromodulator cues that neurons in early development are exposed to and their effect on the establishment of excitation/inhibition circuits. To tackle these questions, we use multidisciplinary approaches including genomics, optogenetics, viral strategies, mouse genetics and behavior analysis.

Postdoctoral Fellow – Van Aelst Lab – 02796-R

The main focus of research will be to study the roles of genes associated with human diseases in the development and function of neural circuits, using molecular, genetic and viral engineering, optogenetics, imaging, electrophysiology, and behavior analysis.

Postdoctoral Fellow – Schorn Lab - 03023-R

We are interested in how small RNAs identify and silence transposable elements when they become active during mammalian development and disease. This is an exciting new field with many opportunities! We believe tRFs are an ancient link between RNAi, transposons and genome stability.

Postdoctoral Fellow – Yeh Lab - 02869-R

The Yeh Laboratory at CSHL Cancer Center (http://yehlab.labsites.cshl.edu) is seeking for a qualified postdoctoral fellow passionate about biotherapeutics discovery and engineering. The Yeh Lab is a highly-collaborative environment with state-of-the-art facilities and expertise in biotherapeutics engineering and chemical biology.

NeuroAI Scholars – NeuroAI- 02749-R

CSHL's NeuroAI Scholars Program will train AI experts in modern neuroscience by embedding them in CSHL's neuroscience labs. The ideal candidate will have outstanding training in modern AI techniques; no training in neuroscience is required.

Assistant Director of Administration, Cancer Center - 02924-R

The CSHL Cancer Center is a basic research facility committed to exploring the fundamental biology of human cancer and to training the next generation of leading cancer researchers. This position requires someone with a scientific background in the biological sciences, outstanding communication skills, the ability to work collaboratively as part of a multi-departmental team, experience developing education and training programs, and solid organizational/project management skills.

Research Informationist in Life Science & Science Data - 00534-E

Are you a trained scientist looking to step away from the bench, but want to stay involved with the research community? The Cold Spring Harbor Laboratory (CSHL) Library & Archives seeks a highly motivated, collaborative, and enthusiastic **Research Informationist in Life Science & Science Data** to join our team of information professionals supporting research at the forefront of cancer, neuroscience, genomics, quantitative biology, and plant biology. We are seeking a candidate that has a passionate interest in current life sciences research and experience in science communication.

Manager, Bioinformatics Shared Resource - 03015-R

The successful candidate will join a world-renowned scientific community, and will provide support for high throughput sequencing and genomic research. The sequencing group has broad expertise in various platforms, including Illumina, PacBio, and Oxford Nanopore, and is a world leader in long-read sequencing.

To learn more about these positions and others available at CSHL follow us on Twitter @CSHLCareers or to apply, please visit us at www.cshl.edu/careers

CSHL offers a competitive salary and comprehensive benefits program, including medical and dental insurance, and access to an affordable and licensed on-site childcare center. In addition, CSHL Meetings and Courses program provides an opportunity for interacting with a broad range of researchers and exposure to timely advances in many areas of scientific research.

CSHL is an EO/AA Employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or protected veteran status.