



Cold Spring Harbor Laboratory

Postdoctoral Fellow Positions Available

Computational Post Doc – 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.

Postdoctoral Fellow – dos Santos Lab – 02763-R

We are seeking a postdoctoral fellow to investigate the epigenetic control of normal and malignant mammary gland development. Dr. dos Santos's laboratory studies the epigenetic regulation of normal and malignant mammary gland development, with an emphasis on the alterations brought by pregnancy. Significant changes mark the pre- and post-pubescence mammary developmental stages, but those associated with pregnancy have the greatest effect on cellular function, tissue reorganization, and breast cancer susceptibility.

Computational Post Doc – Engel Lab – 02475-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.

Computational Post Doc – Janowitz Lab – 02904-R

What are the whole body causes and consequences of cancer and how can we target them to improve cancer therapy? The Janowitz Laboratory at CSHL is seeking a highly motivated, creative, and interactive post-doctoral fellow 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, including the brain.

Computational Post Doc – Koulakov Lab – 02828-R

We are seeking to fill a postdoctoral position in theoretical neuroscience. The position is open under specific projects as well as general research involving the application of methods from theoretical physics, mathematics, and machine learning with the goal to understand the brain function.

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.

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 – 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 – Wigler Lab - 02822-R

The Wigler lab seeks a Postdoctoral Research Fellow in Molecular Biology to work on a project involving cell engineering and construction of expression vectors for the purpose of transient and stable expression of target genes in human and mouse cells.

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 – Neuroscience Labs - 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.

Research Investigator– Neuroscience Labs - 02749-R

This experienced scientist will oversee two research technicians and will collaborate with other members of our research team in the design and execution of structural studies that aim to elucidate the binding mechanism of transcription factors with their partner cofactors.

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.