

Quantitative Biology Open Positions

Simons Center for Quantitative Biology / CSHL

Faculty and Fellow positions

Assistant Professor. We are currently searching at the Assistant Professor level for highly talented individuals to join the Simons Center for Quantitative Biology (SCQB). Specific research areas of interest include, but are not limited to, modeling and analysis of transcriptional regulation, sequence assembly and variant calling for emerging technologies, evolutionary and population genomics, single-cell analysis, and cancer genomics. Successful candidates will have an outstanding record of research achievement and the ability to attract significant extramural research support. This position is for candidates focused on dry-lab research (experimental space is limited). <https://www.cshl.edu/About-Us/Careers/Faculty-Positions.html>

Quantitative Biology Fellow. CSHL is also accepting nominations for its **SCQB Fellows Program**. This program is designed for exceptional computational scientists who have recently received their Ph.D. or M.D. degree and who are sufficiently talented and experienced to forgo standard postdoctoral training to move directly into this semi-independent research position. Interested candidates are encouraged to inquire with Dr. Adam Siepel, Ph.D., Professor and Chair at asiepel@cshl.edu. Please send a CV with your email. <http://www.cshl.edu/research/quantitative-biology-fellows-program.html>.

Postdoctoral positions

Computational Postdoc (Atwal Lab). The Atwal Lab is looking for quantitative/computational postdoctoral fellows to work at the exciting interface of cancer genomics, immunology, and mathematics. Our lab blends computation and theory in close collaboration with experimentalists and clinicians, developing machine learning approaches and statistical models of next-generation sequencing data. Current projects include quantitative models of the tumor microenvironment, the adaptive immune repertoire, and tumor evolution. **JOB #: 01688-R**

Computational Postdocs (Iossifov Lab). Two positions available. **Position 1:** Study genetic variants causing autism through whole-exome & whole-genome sequencing datasets over large collection of families. **Position 2:** Develop flexible tools for information extraction from the bio-medical literature of diverse relations, such as those between a gene and a disease, connections between brain regions, and protein-to-protein interactions. In addition, develop methods for integrating the extracted knowledge with experimental datasets to improve our ability to make inferences and generate novel hypothesis. Email Dr. Iossifov at iossifov@cshl.edu.

Computational Postdoc (Siepel Lab). The Siepel Lab specializes in the development of probabilistic models, algorithms for inference, prediction methods, and application of these methods in large-scale genomic data analysis. Of particular interest is research relevant to existing projects, including demography inference using Bayesian coalescent-based methods, inference of natural selection on regulatory and other noncoding sequences, and prediction of fitness consequences for noncoding mutations. Email Dr. Siepel asiepel@cshl.edu. **JOB # 01229-R**

TO APPLY: <http://www.cshl.edu/Research/Simons-Center-for-Quantitative-Biology.html#tabs-6>

Or Visit: <http://www.cshl.edu/scqb> and select the Jobs tab.

Current Faculty

Mickey Atwal: population genetics; bioinformatics; cancer; stochastic processes; information theory.	Alexander Krasnitz: genomics of cancer; single-cell genomics; large-scale numerical computing.
Ivan Iossifov: molecular networks; human genetics; biomedical text-mining; molecular evolution.	Dan Levy: computational biology; human genetics; phylogenetics; copy number variation.
Justin Kinney: sequence-function relationships; machine learning; biophysics; transcriptional regulation.	David McCandlish: sequence-function relationships; population genetics; protein evolution; machine learning
Alexei Koulakov: theoretical neurobiology; quantitative principles of cortical design.	Adam Siepel: population genetics; computational genomics; molecular evolution; gene regulation.