



Postdoctoral Position in Mammalian Functional Genomics (Computational Biologist)

The Mammalian Functional Genomics Group at Lawrence Berkeley National Laboratory, CA, is looking for highly motivated individuals for a position as a **Postdoctoral Researcher (Computational Biology)** in the area of mammalian functional genomics.

This position will be under the joint mentorship of **Axel Visel**, **Len Pennacchio**, and **Diane Dickel**. Research in our laboratory focuses on the use of genomic, epigenomic, and computational methods in conjunction with experimental studies in the mouse model to study the role of transcriptional enhancers and other functional non-coding sequences in general biological processes, as well as in human disease. The focus of this position will be the development and application of computational analysis approaches for the interpretation of large-scale functional genomic data sets. Successful candidates will also have access to extensive experimental resources, including support for the generation of transgenic and knock-out/-in mouse models.

For selected first-author publications from our lab and more background about our work, see *Nature* 444:499; *Nature* 457:854; *Nature* 461:199; *Nature* 464:409; *Science* 342:1241006; *Cell* 152:895; *Cell* 155:1521; *Cell* 167:633; *Nature Genetics* 40:158; *Nature Genetics* 42:806; *Nature Genetics* 44:89; *Nature Methods* 11:566; *Nature Comm* 7:12923

Job Duties

- Under the Principal Investigators' mentorship, develop and implement cutting-edge computational strategies for the functional analysis of non-coding sequences in the human genome.
- Analyze and summarize large genomic datasets and present findings at internal lab meetings and scientific conferences.
- With mentors, prepare manuscripts for publication in major peer-reviewed journals.
- Collaborate with other postdoctoral fellows and technical research staff in a team-based research environment.
- Gain new skills in the area of mammalian genomics with the goal to become an increasingly independent investigator

Qualifications

- Recent Ph.D. and research experience in computational biology, bioinformatics, genetics/genomics, or a relevant related field.
- Proven experience with computational analysis of genomic data, including use of programming languages and/or statistical analysis platforms.
- Strong interest in genomic and functional genomic questions and in the use of computational strategies to derive biological insights from sequence data.
- Demonstrated scientific productivity through publications in peer-reviewed journals.
- Effective oral and written communication skills to present findings at group meetings and conferences and publish results.

*Inquiries should be directed to Axel Visel, avisel@lbl.gov
See <http://dna.lbl.gov> for additional information about the lab.*