

# Post-Doctoral Fellow in Computational & Statistical Genomics

## Pimentel and Pasaniuc Labs at UCLA

A HHMI/NIH-funded post-doctoral fellowship position is immediately available shared between the labs of Drs. Harold Pimentel and Bogdan Pasaniuc within the David Geffen School of Medicine at UCLA. We are seeking kind, curious, and ambitious applicants with a strong background in genetics, computational biology, and/or computer science who are interested in working at the interface of human disease and functional genetics.

The appointed researcher will be embedded in an interdisciplinary team of statistical geneticists, bioinformaticians, and in close collaboration with wet lab scientists, computational biologists, and clinicians. The successful candidate will be responsible for developing new statistical and computational genetics/genomic methods for understanding and integrating association studies (GWAS), genetic screen perturbations, and transcriptome data. The exact topic is flexible within the scope.

### Job requirements:

- Kind, curious, and ambitious researcher.
- PhD in genetics/genomics, computer science, statistics, engineering, biomedical informatics, quantitative biology, or a related field.
- Programming competence demonstrated in at least one or more of these programming languages: Python, R, C++, Java.
- Knowledge and deployment of advanced statistical concepts and corresponding inference procedures used in high-dimensional genomic data analysis such as: linear models, mixed models, hierarchical models, nonparametric models.
- The ability to work with heterogeneous high-throughput biological data.
- Ability and desire to communicate clearly in an interdisciplinary environment.
- Knowledge and experience working with genomic data - advantage.
- Software tool development experience: source control (git), packaging, documentation - advantage.
- Reproducible pipeline experience: Snakemake, nextflow, bpipe - advantage.

UCLA is an equal opportunity/affirmative action employer.

Please submit your CV/resume, and names and contact information for 2 references to Harold Pimentel ([hjp@ucla.edu](mailto:hjp@ucla.edu)) and Bogdan Pasaniuc ([pasaniuc@ucla.edu](mailto:pasaniuc@ucla.edu)).