

## **\*\*Postdoctoral Positions in Computational Genomics and Statistics\*\***

We are hiring two postdoctoral fellows to work on comparative and population genomics of conserved non-coding elements in birds. The successful candidates will develop statistical methods and computational tools to infer evolutionary forces acting on non-coding sequences, building on our published work on PhyloAcc (<https://doi.org/10.1093/molbev/msz049>). These are NIH-funded positions, which will be based at Harvard University in the groups of [Scott Edwards](#) (Organismic and Evolutionary Biology), [Jun Liu](#) (Statistics), and [Tim Sackton](#) (Bioinformatics).

Funding is available for 1 year, renewable up to 3 years contingent on successful performance.

### Qualifications

The preferred candidate will have a PhD in statistics, computational genomics, population genetics, computer science, or a related field, with a demonstrated record of research achievement (via publications or preprints). They will be experienced with Bayesian statistics, computational method development (using Python, C, C++, or a related language), or both. Experience with population genetics, comparative genomics, phylogenetics, shell scripting, computing cluster environments, and/or experience working with whole genome datasets will be beneficial, but is not required.

### Working Environment

The successful candidates will be based in one or more of the PI labs ([Jun Liu](#), [Scott Edwards](#), [Tim Sackton](#)). The exact logistics are flexible and will depend on the candidate's interests and experience, but in any case the postdoctoral associate will have an opportunity to gain experience and training in bioinformatics, statistics, population genetics, comparative genomics, developmental genetics, and ornithology. In addition, the successful candidates will have the opportunity to interact with collaborators Emma Farley (UCSD) and Cliff Tabin (Harvard Medical School). The combined experience of our groups spans a wide range of topics and provides an outstanding opportunity for training, collaboration, and scientific growth. The larger scientific environment in Boston is unparalleled and provides numerous opportunities for engagement, including the Boston Area Evolutionary Supergroup (<https://evogen.hms.harvard.edu>) and numerous seminar series and journal clubs.

### Contact

Preferred start date would be summer 2021, but there is flexibility around this. To apply, please send a CV and cover letter describing interest and previous experience to Tim Sackton ([tsackton@g.harvard.edu](mailto:tsackton@g.harvard.edu)), Scott Edwards ([sedwards@fas.harvard.edu](mailto:sedwards@fas.harvard.edu)), and Jun Liu ([jliu@stat.harvard.edu](mailto:jliu@stat.harvard.edu)).

**We are committed to diversity and especially encourage members of underrepresented communities to apply.**