

Two Postdoctoral Fellowship Positions in Statistical Genomics at University of Idaho

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<http://www.biometricsociety.net/2015/12/09/two-postdoctoral-fellowship-positions-in-statistical-genomics-at-university-of-idaho/>

Two postdoctoral positions in statistical genomics are available in Dr. Audrey Fu's lab (<http://webpages.uidaho.edu/audreyf/>) in the Department of Statistical Science and the Institute of Bioinformatics and Evolutionary Studies (IBEST) at the University of Idaho in Moscow, Idaho. Both positions involve development of statistical methods and computational algorithms, with an emphasis on causal inference, for the analysis of high-throughput biological data in genomics, such as gene expression data from RNA-seq or microarray, protein binding data from ChIP-chip or ChIP-seq, and genotyping data, etc.

Position Qualifications:

The first position is for 3 years and has a focus in cancer genomics. The second position is for 2 years with the possibility of extension, and focuses on single-cell genomics. Both postdoctoral fellows will have the opportunity to interact with not only researchers in the Department of Statistical Science, but also members at the IBEST who have diverse backgrounds and work on various projects in genomics, population and evolutionary genetics. The postdoctoral fellows will be encouraged to attend and present their results at national or international conferences in related fields. They will also be encouraged to apply for their own funding if interested. The positions will offer competitive salaries and benefits.

The university is located in a college town and is close to Washington State University; the two universities collaborate in research as well as teaching.

The area offers safe, affordable, healthy, and family-friendly living. The Palouse area is famous for its beautiful rolling hills, mountains and rivers, and provides plenty of opportunities for outdoor sports year round, such as hiking and skiing (see photos of this area here <http://www.bbc.com/travel/story/20150629-saving-a-picture-perfect-americana>).

Candidates will have a Ph.D. in bioinformatics, computational biology, genetics, statistics, computer science, math, or a related field. Ph.D. must be completed before position begins. A strong computational background is required. Candidates should have proficiency in at least one of the following programming languages: Perl or Python, C or C++, and R. Experience with commonly-used statistical and bioinformatics software and high-throughput sequencing data is helpful but not required. Knowledge in single-cell biology or cancer biology and experience with large cancer consortium data, such as TCGA and ICGC, are also helpful but not required.

Application Information:

Applicants should send a CV, a short research statement, and names of three referees

to stat@uidaho.edu. Inquiries may also be sent to this email or to the PI at audreyf@uidaho.edu. Review of applications will begin immediately, and continue until the positions are filled. Additional info is available at the following URLs through the university human resources website:

- First position of developing bioinformatics and computational methods in cancer genomics: <https://uidaho.peopleadmin.com/postings/11557> Posting number SP000732P.
- Second position of developing bioinformatics and computational methods in single-cell genomics: <https://uidaho.peopleadmin.com/postings/11556> Posting number SP000733P.

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