

# Postdoctoral Fellow – Biostatistics Analyst

A postdoctoral fellow position is available at Dr. Kong's group in the Computational Health Informatics Program (CHIP, <http://www.chip.org>) at Boston Children's Hospital, Boston, MA, USA ([www.childrenshospital.org](http://www.childrenshospital.org)). The group seeks to improve current clinical practices by providing expertise and insight from large-scale and multi-dimensional analysis in data-sets from patients with neurodevelopmental conditions and other disorders.

**The position is available for a highly motivated and skilled individual with expertise in developing new statistical methods to provide insights from diverse multi-dimensional data-sets in different frameworks, involving whole-genome sequencing (WGS), population genetics, and/or exposomics.**

## PRIMARY DUTIES AND RESPONSIBILITIES:

- Test and adapt statistical methodologies to fulfill groups' requirements.
- Develop new statistical methods to achieve projects' scientific goals.
- Ensure accurate, statistically valid deliverables included in protocols, statistical analysis plans, study reports, and manuscripts.
- Provide statistical leadership and support to the group.
- Analyze clinical data-sets from discovery and validation cohorts and interpret the results accordingly.
- Work independently on multiple ongoing projects with flexibility to adjust to new priorities.
- Cross-training bioinformatic colleagues.
- Present the work in form of scientific publications and oral communications to the scientific community.

## KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:

- Familiarity with modern data analysis paradigms is required.
- Understanding of bioinformatics environment including strong proficiency with R, experience with python is desirable but not essential.
- Strong communication skills and ability to effectively translate scientific concepts to multidisciplinary personnel.
- Demonstrated ability developing new analysis methodologies with a focus on applications in large or multi-dimensional data.
- Highly proficient in spoken and written English and scientific writing skills.

**The candidate must hold a Ph.D. title by the start of employment.**

The group is located at the Boston Children's Hospital, a teaching hospital affiliated with Harvard University. Interested applicants should send a cover letter outlining research experience and interests, curriculum vitae (CV), and the names and contacts of three referees to Dr. Sek Won Kong ([sekwon.kong@childrens.harvard.edu](mailto:sekwon.kong@childrens.harvard.edu)).