

## Postdoctoral Fellow – Bioinformatics Genomics

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)). We seek to improve current clinical practices by providing expertise and insight from large-scale and multi-dimensional analysis of multi-omics datasets from patients with neurodevelopmental and other disorders.

**The position is available for a highly motivated and skilled individual with expertise in next-generation sequencing (NGS) analysis to work at the forefront of the neurodevelopmental and genomics research.**

### PRIMARY DUTIES AND RESPONSIBILITIES:

- Develop novel computational and bioinformatic tools for genomic analysis of patient samples.
- Statistical analysis of genomic and clinical datasets from case-control and cohort studies 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:

- Strong proficiency with R and python programming languages.
- Familiarity with modern statistical analysis paradigms with high-dimensional data is required.
- Strong communication skills and ability to effectively translate scientific concepts to multidisciplinary personnel.
- Demonstrated ability developing analysis schemes for whole-genome sequencing (WGS), RNA-Seq and epigenomic profiles.
- Deep understanding of genomics and molecular biology.
- 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)).