

TWO POSTDOC POSITIONS AVAILABLE

The research group of Dr. Yongtao Guan (<https://haplotype.org>), recently revived at the Beijing Institute of Mathematical Sciences and Applications (BIMSA), is seeking two highly motivated postdoctoral researchers to work on cutting-edge projects in statistical genetics, Bayesian statistics, and computational methods, with applications in genomics and genetic diagnosis.

Key Research Areas

- Bayesian statistics and variable selection for genetic and genomics studies.
- Haplotype variation, local ancestry, and haplotype-based analyses.
- Development of computational tools for genomic studies and genetic diagnosis.

Qualifications

- Ph.D. in quantitative fields such as mathematics, statistics, and computer sciences, or
- Ph.D. in a non-quantitative field but with extensive experiences in autism or cancer genomics.
- Strong programming (R/Python/C++) and quantitative skills, or
- Demonstrated proficiency with genomic data (WGS, RNAseq, multiomics, single cell).
- Hands-on experiences with training deep learning models is a plus.

Application Process

Interested candidates should email Dr. Guan at ytguan@bimsa.cn with:

- An updated CV
- Names and contact information for three references (letters not required initially).

Shortlisted candidates will be invited for interviews and encouraged to submit a formal application via the BIMSAs Postdoc Portal: https://www.bimsa.cn/join/join_postdocs.html

Why Join Us?

- Work in a dynamic, interdisciplinary team at BIMSAs, a leading research institute in China.
- Collaborate on highly innovative projects with opportunities for methodological innovation.
- Collaborate with genetic diagnostic labs for projects with significant practical impacts.
- Competitive salary and benefits supported by BIMSAs, not tied with a specific grant.
- Dr. Guan has an excellent track records in mentoring postdocs and graduate students.
- Dr. Guan's approach to mentoring is hands-on and detail oriented.

Application Deadline

- Rolling until positions are filled. Informal inquiries are welcome.