

Post-doctoral Fellowship

Call for post-doctoral fellow: Evolutionary and Population Genetics in African populations Sydney Brenner Institute for Molecular Bioscience (SBIMB), University of the Witwatersrand

The Sydney Brenner Institute for Molecular Bioscience, a research entity within the Faculty of Health Sciences at the University of Witwatersrand, Johannesburg, is strengthening its research team to build critical mass to explore genomic data from diverse African populations to study how evolutionary forces have been contributing to differences in disease susceptibility and treatment in African populations.

A postdoctoral fellowship is available for research in the area of evolutionary and population genetics. The work would involve an analysis of existing and novel African genomic datasets (WGS and genotype array) for identifying signatures of selection and modelling demographic history. The appointed candidate will also have the opportunity to participate/collaborate in a suite of research projects available at the SBIMB and interact with the Institute's six senior scientists to develop new research projects/grant applications.

The Fellowship support is for two years, with the possibility of extension depending on performance and funding.

Eligibility

- Education: A PhD in Population Genetics, Genetics, Bioinformatics, Biostatistics, or Molecular Biology, obtained within the last 3 years.
- Skills: Proficiency in Python/R, experience with Linux-based high-performance computing (HPC), and a track record of peer-reviewed publications.
- Experience: Previous exposure to population genetic analyses and/or whole genome/whole exome sequence data analysis is desirable.
- Available to start fellowship within 6 months

Submission

Please email your application through as follows:

- Your CV (maximum of 5 pages)
- A cover letter (maximum of 2 pages) indicating how your knowledge and skills would align with the research topic, and what your expectations are should you be successful.
- Academic record (including PhD certificate)
- Contact details for three academic referees

Please make the subject of the email:

APPLICATION-Post-doc- Genomics of African Populations

Submit your application through to the [Wits vacancies](#) site.

Or email sbimb@wits.ac.za and jocelyn.gayenga@wits.ac.za

For further information, you may contact the Principal Investigator:

Prof Ananyo Choudhury: ananyo.choudhury@wits.ac.za

Deadline: **31st July 2026**