



Vacancy: Post-doctoral Fellow in Cancer Genomics

Research host: Professor Christopher Mathew, Sydney Brenner Institute for Molecular Bioscience (SBIMB), University of the Witwatersrand

Job Purpose Summary:

Contribute towards the aims and objectives of the project “Genetic risk factors for breast cancer in South Africa: A discovery, testing and counselling pathway”. This will involve the analysis of rare variant DNA sequence data in cases and controls and contributing to the analysis of genome-wide genotype data and tumor sequence data. The research fellow will also contribute to the preparation of manuscripts for publication and supervision of a postgraduate student.

Key Responsibilities and Accountabilities:

- Development of statistical genomics approaches for African population cancer genomic data, and data analysis.
- Participate in ongoing genomic studies for the cancer genomics research group.
- Work with the cancer genomics research group on developing study strategies, methods, and designs.
- Build and sustain partnerships with research collaborators.
- Lead and/or contribute to drafting manuscripts for peer-reviewed publications and research reports.
- Publicize research findings through conference presentations.
- Ensure that Wits publication policy is adhered to and that the relevant funders are acknowledged.
- Contribute to research grant development and writing proposals for funding opportunities.
- Contribute to capacity development by supervising and co-supervising postgraduate students at the SBIMB.
- Contribute to leading a multidisciplinary research team.
- Attend relevant SBIMB activities (e.g., workshops, seminars, journal club)

Terms and conditions:

The appointment is for a three-year duration, Projected commencement date is 02 January 2024. The postdoctoral fellowship comes with a competitive remuneration and benefits package.

Eligibility Criteria and Attributes:

- PhD graduate within the last 5 years
- Data analysis and management experience is required and experience in conducting systematic reviews is advantageous.
- Interest in applying big data analytics in healthcare.
- Available to start fellowship within the first quarter of 2024.

Please email your application 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 areas, and what your expectations are, should you be successful.
- Academic record/transcript and certificate of all completed degrees
- ID/Passport copy
- Contact details for three academic referees.

Submit to: sbimb@wits.ac.za and cc jocelyn.gayenga@wits.ac.za.

For technical information contact carl.chen@wits.ac.za and chris.g.mathew@wits.ac.za

Deadline: 20 November 2023, although applications will also be considered beyond this if suitable candidates have not been identified.

The principal investigators reserve the right not to make an appointment if suitable candidates are not identified.