



Opportunity: Postdoctoral Fellow (Funded)

*Characterisation and functional analysis of variations
in the ADME genes in African populations*

February 14, 2018

The Human Heredity and Health in Africa Consortium (H3A) and GSK's Africa NCD Open Lab are planning a joint project to study the extent of variation in ADME genes in African populations and explore the impact and possible pharmacological effect of key variants.

The project will be based at the Sydney Brenner Institute for Molecular Bioscience at the University of the Witwatersrand, Johannesburg, with collaborators at GSK and at other partners in H3A. We have novel whole genome sequence data sets generated by H3A projects and this will be an important opportunity to develop further expertise in pharmacogenomic research in Africa. The project is sponsored by GSK's Africa NCD Open Lab. We seek to appoint a postdoctoral research fellow at the SBIMB to join our team. The successful candidate will focus on protein modelling and *in silico* analysis of selected variants. Some laboratory validation will be performed as part of the project, but may be done by other team members.

Requirements

- completion of a PhD in bioinformatics or related discipline within the last 5 years;
- experience of protein modelling, including structural modelling;
- good bioinformatics background and programming skills;
- knowledge of pharmacogenomics would be a strong recommendation;

The successful candidate will be expected to work independently on some aspects of the project and to work as part of a team on other sub-projects. Good inter-personal and communication skills and ability to be a self-starter are important.

This is a two year project. The postdoctoral position will be for 1 year in the first instance, with renewal for one further year based on satisfactory performance. The starting date will be by mutual agreement, but the sooner the better.

Applications To apply, please send the following as a single PDF document to Scott Hazelhurst (scott.hazelhurst@wits.ac.za), to whom informal enquiries can also be made.

- a covering letter;
- a CV including a publication list and the details of three contactable referees. The publication list should clearly distinguish between refereed journal articles, papers in fully refereed published conference proceedings, and other scientific work.

We will start considering applications from 5 March 2018.