



UNIVERSITY of the  
WESTERN CAPE



26 March 2016

## **Postdoctoral Fellowship at the South African National Bioinformatics Institute, University of the Western Cape**

The South African National Bioinformatics Institute invites applications for a postdoctoral fellowship for the 2016 calendar year. For the past three years, SANBI and the School of Pharmacy at UWC have worked on computational tools to prioritize the selection of natural compounds with anti-plasmodial activity. The successful postdoctoral fellow will work with Professors Alan Christoffels and Sarel Malan on a research study entitled "Validation of scaffolds in natural products with anti-plasmodial activity". This project is funded under the Bioinformatics Research Chair programme of the National Research Foundation.

The successful candidate will have the following duties:

- Overseeing the implementation of the project;
- Assisting with graduate student mentoring;
- Carry out molecular dynamic simulations;
- Designing of experimental protocols to synthesize potential compound derivatives
- Preparing manuscripts for publication.

The fellowship is available for two years starting in 2016. The total value of the fellowship is ZAR 200,000 per annum. The position will remain advertised until a suitable candidate is identified.

### Requirement

- A doctoral degree in bioinformatics on a related computational field.

### Recommendation

- Experience in structural biology or chemistry will be an advantage.

Applicants are requested to submit the following documents to Mrs Maryam Salie ([maryam@sanbi.ac.za](mailto:maryam@sanbi.ac.za)):

- A covering letter
- A full curriculum vitae
- Description of expertise pertaining to the application.
- Names of two referees

For further enquiries, please contact Alan Christoffels ([alan@sanbi.ac.za](mailto:alan@sanbi.ac.za))

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Alan Christoffels

DST/NRF Research Chair in Bioinformatics and Health Genomics