



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, the Bioinformatics Research Chair programme has developed methods to identify small functional non-coding RNAs in high throughput RNA-seq data.

The successful postdoctoral fellow will work with Professor Alan Christoffels on a research study entitled “miRNA as a regulator of pathogen persistence”. This project is funded under the Bioinformatics Research Chair programme of the National Research Foundation.

The successful candidate will have the following duties:

- Develop computational tools to identify miRNA in newly sequenced insect genomes that are linked to diseases
- Analyze RNAseq data sequenced from different developmental stages of insect development and infection.
- Work alongside software developers to develop a graphical user interface to share data with the scientific community.
- Overseeing the implementation of the project;
- Assisting with graduate student mentoring;
- 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 next generation sequence data analysis will be an advantage

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

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

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



Alan Christoffels

DST/NRF Research Chair in Bioinformatics and Health Genomics