



## SOFTWARE DEVELOPER (TRAINING SUPPORT)

(18-month contract)

**Computational Biology Division**  
**Department of Integrative Biomedical Sciences**  
**Faculty of Health Sciences**

The Computational Biology Division, which is in the Department of Integrative Biomedical Sciences and the Institute of Infectious Disease & Molecular Medicine, Faculty of Health Sciences leads the Bioinformatics activities at the University of Cape Town. The group also leads H3ABioNet, a pan African bioinformatics network, which runs an extensive training and outreach program. Together with the Bill and Melinda Gates Foundation, the Africa CDC has developed a Pathogen Genomics Initiative to enable the roll out of next generation sequencing (NGS) for pathogen surveillance and response. Several nodes are being established across Africa under this initiative which will need to receive training on all aspects of NGS implementation. The Software Developer will be responsible for supporting training, providing technical support for trainers and trainees. He/she will develop and manage containerized workflows for courses and ensure these and datasets are set up at training venues. He/she will develop the program's website and GitHub repository and develop online application and assessment tools and a tracking database. Applications are invited from suitably qualified candidates for this 18 month, **fixed term contract** position of a Software Developer (Training Support), **for appointment as soon as possible**. A part-time appointment will be considered. There is a possibility for extension beyond the 18 month period subject to availability of funding. The position will be situated in the Computational Biology Division at the University of Cape Town.

### Minimum Requirements:

- BSc Honours degree in Bioinformatics or Computer Sciences
- 2 years experience in software or web development
- Evidence of organizational skills
- Good communication and written skills

### Advantageous:

- Experience in/knowledge of Bioinformatics, particularly NGS
- Experience in workflow development and containerization
- Experience in developing websites and databases

### Responsibilities:

- Develop containerized workflows for training courses
- Provide technical support for training venues
- Develop program website and GitHub repository
- Develop database and online formss

The annual cost of employment for this 18 month, fixed term contract is between R489 200 and R589 646.

For enquiries about this post, please contact Nicola Mulder at [nicola.mulder@uct.ac.za](mailto:nicola.mulder@uct.ac.za).

**To apply**, please e-mail the below documents in a **single pdf file** to [lona.sisusa@uct.ac.za](mailto:lona.sisusa@uct.ac.za)

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- Cover letter, and
- Curriculum Vitae (CV)

Please ensure the title and reference number are indicated in the subject line.

An application which does not comply with the above requirements will be regarded as incomplete. Only shortlisted candidates will be contacted and may be required to undergo a competency test.

**Telephone:** 021 4066058

**Website:** [cbio.uct.ac.za](http://cbio.uct.ac.za)

**Reference number:** E21212

**Closing date:** 22 February 2021

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