

Bioinformatics Postdoctoral fellowship 2023

KwaZulu Natal Research Innovations and Sequencing Platform (KRISP) at UKZN is seeking to appoint a highly motivated Bioinformatician with great potential and ambition to become a leading scientist. The postdoctoral fellow will support researchers with genomic data management and analysis. This full-time contract position is offered for a period of 2 years renewable based on satisfactory performance and will be affiliated to the School of Laboratory Medicine and Medical Sciences in the College of Health Sciences.

Minimum requirements for the position:

- PhD in Bioinformatics, Computer Science, Biostatistics or a related subject
- Experience in providing bioinformatics support
- Experience in working with high-throughput biology data
- Experience in analysis of one or more of the “omics” data types
- Programming skills in any of the common languages (e.g. R, Python, Java)
- Experience working with workflow languages including snakemake and nextflow
- Experience with version control using Git

Advantages:

- Knowledge of database or web development
- Knowledge of Biostatistics
- Experience in working with clinical data
- Good interpersonal and communication skills
- Experience in collaborative teamwork
- Capacity to apply Bioinformatics across a broad range of application areas

KRISP is currently leading research projects of critical human health significance in Africa including SARS-CoV-2, TB, HIV and AIDS amongst other diseases. As part of the team the fellow will get hands-on experience in the analysis of epidemiological, clinical and genomic data. S/he will be mentored by leading scientists and clinicians in the field, who commonly publish in some of the top biomedical journals (i.e. Science, Nature, Lancet and NEJM).

The Postdoctoral Fellow will be awarded a well-paid tax-free fellowship in South African currency (ZAR). Once appointed, the successful candidate will be supported to apply for externally funded personal fellowships and grants. The position is based at the state-of-the art genomic facilities at Nelson R Mandela Medical School, UKZN in Durban. Interested applicants should send an application, which should contain a CV and a motivation letter that speaks to the specific requirements of the position, by

18 October 2023 to Mrs. Gugulethu Mkhize Email: MkhizeG5@ukzn.ac.za More info: <http://www.krisp.org.za>