MSc/PhD and Postdoctoral Research fellowship positions available in the Pharmacogenetics Research Group, Division of Human Genetics, University of Cape Town

Projects Description:

There are three projects on offer;

1) **Pharmacogenetics of warfarin**
   We are in the middle of recruiting for this project. The aim of the project is to identify genetic variants that can be used to come up genotype-assisted dosing among South African population groups. Techniques will include exome sequence analysis

2) **Pharmacogenetics of risperidone**
   We have a cohort of first-episode schizophrenia patients followed-up over a period of time. Extensive standardised clinical data are available for these patients, including data on treatment response and adverse drug reactions to risperidone. Techniques will include exome sequence analysis

3) **Effects of herbal medicinal plans on expression of pharmacogenomics targets**
   We also aim to characterise herbal medicinal plants on their effects on the expression of pharmacogenomically relevant targets. We also have a collection of herbal medicinal plants that are commonly used in sub-Sahara Africa. Techniques will include RNAseq analysis

Ideal candidates: Our group is currently seeking motivated postgraduate (MSc) and Postdoctoral students. Candidates with experience in either molecular biology/cell biology, experience in genetics (genotyping, sequencing and analysis of mutation data) or bioinformatics will have an added advantage. Grant holder-linked bursaries are available at R60, 000 MSc, R80, 000 PhD and R150, 000 postdoc. Candidates holding their own funding are welcome to apply. In addition, candidates who meet the selection criteria will be assisted in applying for funding from local and international funding bodies. Prospective candidates should submit their CV's which should provide information on their previous studies and three contactable referees to: collet.dandara@uct.ac.za. In all cases please indicate the position being applied for. **Applications close on Friday, 11 March 2016.**