



UNIVERSITY OF CAPE TOWN

Paediatric Neurosurgery Unit
Division of Child Development and Neurosciences
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Red Cross Children's Hospital
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Postdoctoral Research Fellow: Neurosurgery

A postdoctoral research fellowship is being offered in the Paediatric Neurosurgery Division at Red Cross War Memorial Children's Hospital.

Scope of the research

Our research in the Paediatric Neurosurgery Unit at Red Cross focuses on neurocritical care of patients with various forms of brain injury. It combines also with other research areas of our unit, for example neuro-oncology. The research unit crosses between the clinical environment and the laboratory environment and involves work in the Intensive Care Unit, the wards and outpatients departments as well as in the laboratory. We focus on research that has clinical relevance to patients.

Conditions of the award:

We are looking for candidates who

1. Have completed a PhD in Neuroscience within the last 5 years, preferably with experience in clinical brain injury. Preference will be given to candidates with a sound knowledge of cerebral pathophysiology, especially in the context of acute brain injury
2. Have not held full-time permanent academic or professional posts
3. Have experience conducting research in a clinical environment and experience working in the laboratory
4. Have experience with neurocritical care monitoring (including ICMPlus, transcranial Doppler, near infra-red spectroscopy, microdialysis) and with laboratory techniques for sample processing, storage and analysis (ELISAs, Luminex, molecular biology techniques).
5. Have some experience with trial work, student mentorship and grant writing
6. Be focussed, hardworking, flexible and independent.

The Fellow will be required to:

1. Continue and build on current research projects on traumatic brain injury (neuro-critical care, proteomics and drug recovery) in our unit and also to expand the scope of research in that domain while expanding their personal research and laboratory skills. Due to the clinical nature of this project, research work will not be limited to daily working hours.
2. Contribute to maintaining and building research systems like the biobanks, registries and data bases.
3. As part of the successful candidate's professional development, provide limited mentorship and co-supervision for postgraduate students
4. Assist in the development of future research projects in the unit and establishment of further working collaborations.
5. Write up research for publication and present at local and international meetings
6. To comply with the University's approved policies, procedures and practises for the postdoctoral sector

Tenure and value:

The value of the Fellowship will be between R250 000 – R350 000 per annum. The Fellowship carries no fringe benefits. The Fellowship will be tenable from 1st Jan 2016 to 31st Dec 2016, with an option to extend contingent upon satisfactory performance.

Application procedure:

Please send through a letter of application stating areas of expertise and research interests, a full CV, copies of academic transcripts, and the names of 2 referees to Professor Anthony Figaji (Anthony.Figaji@uct.ac.za) by the 01 February 2016. Eligible and complete applications will be considered by the Division of Neurosurgery.

The University of Cape Town reserves the right to: • disqualify ineligible, incomplete and/or inappropriate applications, • change the conditions of award or to make no awards at all.