



UNIVERSITY OF CAPE TOWN

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**Paediatric Neurosurgery Unit**  
**Division of Neurosurgery**  
**Room 617, Institute for Child Health**  
**Red Cross Children's Hospital**  
**Klipfontein Road**  
**Rondebosch 7700**  
**South Africa**  
Telephone (021) 658-5335/ 5340  
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### **Advert for Masters Student (MSc): Neuroscience**

A Masters in Neuroscience project is being offered in the UCT Neuroscience Institute, Division of Neurosurgery.

#### **Scope of the research**

The Master's student will be based in our research unit in Paediatric Neurosurgery at Red Cross War Memorial Children's Hospital. Our work focuses on the neurocritical care of patients with various forms of brain injury, with a focus on biochemical, metabolic, physiological, and electrophysiological changes in the injured brain. We are a world-leading centre in acute brain monitoring in children and have a rich stream of unique data, with considerable scope for emerging researchers to build an international profile.

**Conditions of the award:** we are looking for a candidate who

1. Has completed an Honours degree in a biomedical domain within the last 5 years, with experience in data collection and analysis, and who is comfortable working in a clinical environment.
2. Has not held full-time permanent academic or professional posts
3. Is mobile and able to work flexible hours - patient sample collection is unpredictable and often occurs after hours.
4. Is focussed, hardworking, flexible and can work independently.

**The Fellow will be required to:**

1. Collect and curate patient data and contribute to the unit's registries and data bases.
2. Analyse data using excel and other statistical software
3. Write up research for publication and present at local and international meetings
4. To comply with the University's approved policies, procedures and practises for the postgraduate sector.

**Tenure and value:**

The value of the bursary will be within the NRF's prescribed range, carries no fringe benefits and is for full time study. The project will run for 1-2 years depending on the level of postgraduate experience and with the option to extend if applicable. The position is available from January 2021.

### **Application procedure:**

Please send through a letter of application stating which project you are applying for, 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). 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

Prof Figaji

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