##### UCT_logocolour-1Postdoctoral Fellowship in Medical Imaging

##### Division of Biomedical Engineering

##### Faculty of Health Sciences

##### University of Cape Town

The Division of Biomedical Engineering ([www.bme.uct.ac.za](http://www.bme.uct.ac.za)) invites applications for a postdoctoral fellowship in medical imaging, funded by the DST/NRF South African Research Chair in Biomedical Engineering & Innovation held by Professor Tania Douglas. The research will be supervised by Dr Tinashe Mutsvangwa and Professor Douglas and will be focused on image analysis and 3D image reconstruction, using mainly X-ray images and digital photographs.

***Conditions of award***

The fellowship has a value of R220 000 – R320 000 (depending on the candidate’s experience and publication track record), is tax-free and is tenable for one year. The fellowship may be renewed for a second year on evidence of satisfactory academic progress.

* Limited additional paid work (maximum 12 hours per week) may be undertaken; remuneration for such work is taxable.
* No benefits or allowances are included in the value of the fellowship.

Requirements:

* A PhD degree in any of the following: Biomedical Engineering, Computer Science, Electrical Engineering, or related disciplines, obtained in the past 5 years.
* Applicants may not previously have held full-time permanent professional or academic posts.
* Working knowledge of Java, Matlab and/or Python.

The following are desirable:

* A background in medical imaging, image processing and experience in X-ray imaging.
* Programming experience in C++.
* Experience with ITK (Segmentation & Registration Toolkit) and VTK (The Visualization Toolkit).

The successful candidate will be expected to produce peer-reviewed publications as a result of their research and will be expected to participate in the activities of the Division of Biomedical Engineering, including co-supervision of MSc and PhD students and limited lecturing. The successful candidate will be required to register as a postdoctoral research fellow at the University of Cape Town and to comply with the policies and practices of the postdoctoral sector.

***Application Procedure***

Applicants should send a letter stating their research interests and expertise, as well as a maximum four-page CV, which includes a list of publications and includes the names, email & telephone details of 2 referees, to Dr Tinashe Mutsvangwa, Division of Biomedical Engineering as soon as possible but no later than 29 July 2016.

Email: [postdocfellowship2016@gmail.com](mailto:postdocfellowship2016@gmail.com); tel: (021) 650-1418.

Eligible and complete applications will be considered by 15 August 2016 and shortlisted candidates will be required to undergo an interview, in person, by telephone or over Skype. Selection will be based on the candidate’s ability to meet the requirements stated above.

The successful candidate will be expected to take up the fellowship in the second half of 2016.

***NB: Only short-listed candidates will be contacted. The University of Cape Town reserves the right to disqualify ineligible, incomplete and/or inappropriate applications. The University of Cape Town reserves the right to change the conditions of award or to make no awards at all.***