



## **NRF SOUTH AFRICAN RESEARCH CHAIR: BIOMEDICAL ENGINEERING INNOVATION (PROFESSOR)**

**Division of Biomedical Engineering**  
**Department of Human Biology**  
**Faculty of Health Sciences**

The South African Research Chairs Initiative (SARChI) of the Department of Science and Innovation and the National Research Foundation (DSI/NRF) aims to strengthen leadership and capacity in scientific research at South African universities. The University of Cape Town (UCT) invites applications from suitably qualified and experienced persons for the research chair in Biomedical Engineering Innovation, which is hosted in the Division of Biomedical Engineering in the Department of Human Biology. This is a full-time contract position for three-and-a-half-years starting 1 July 2022, renewable for a further cycle of up to 5 years subject to DSI/NRF approval.

The successful candidate should be a dynamic researcher with an international reputation in the relevant research field, have an excellent publication track record, experience in acquiring grant funding from national and international agencies, a track record of postgraduate student supervision and mentorship, and experience in leading a productive and internationally recognized research group. Although the funding of the research chair includes generous support for postgraduate students or postdoctoral fellows on top of the salary package and allowance towards project running expenses, the incumbent will be expected to attract other funding. An award condition does not permit the incumbent to spend more than 20% of their time on undergraduate teaching and/or management responsibilities not related to activities of the Research Chair.

UCT has a strong international reputation in biomedical engineering research and teaching. Within the division, particular areas of interest include medical imaging, medical devices, musculoskeletal biomechanics, cell- and tissue mechanobiology, biomechatronics, signal and image processing, mHealth, healthcare technology management, health innovation, and neuroscience. The overarching goal is to conduct biomedical engineering research that addresses health in Africa, yet is globally relevant. The division hosts the new Master of Philosophy programme specializing in Health Innovation.

### **Requirements for the job:**

- PhD degree in a relevant discipline
- Appointable at the level of a full Professor, benchmarked internationally
- Evidence of international standing, with extensive research leadership experience, or demonstrated potential to achieve international recognition
- Strong track record of postgraduate supervision at doctoral and masters level
- Experience mentoring postdoctoral fellows
- Excellent publication track record with evidence of recent productivity
- A strong track record of sourcing independent funding

### **Responsibilities:**

- To develop and lead an innovative, locally relevant, and internationally acclaimed research programme in biomedical engineering & health innovation
- Produce academic publications to enhance knowledge in the field
- Build capacity in biomedical engineering locally and across Africa through training of postgraduate students and postdoctoral fellows, especially from designated groups in South Africa and the rest of the continent
- Contribute towards limited teaching
- Attract sustainable independent research funding
- Contribute to the strategic development and direction of the discipline of biomedical engineering at UCT and nationally

The annual cost of employment, including benefits at Professor level is R1 348 905.

To apply, please e-mail the below documents in a **single pdf file** to Ms Vathiswa Mbangi at [recruitment05@uct.ac.za](mailto:recruitment05@uct.ac.za)

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- Motivation letter that speaks to your vision for the position, and
- Curriculum Vitae (CV)

Please ensure the title and reference number are indicated in the subject line.

An application that does not comply with the above requirements will be regarded as incomplete.

Only shortlisted candidates will be contacted and may be required to give a presentation.

The preferred candidate will be required to prepare a proposal in the defined research area, in collaboration with the Heads of the Division and the Department, for approval by the NRF prior to finalisation of the appointment.

**Telephone:** 021 650 3003

**Website:** <http://www.bme.uct.ac.za/bme>

**Reference number:** E210372

**Closing date:** 19 November 2021

*UCT is a designated employer and is committed to the pursuit of excellence, diversity and redress in achieving its equity targets in accordance with the Employment Equity Plan of the University and its Employment Equity goals and targets. Preference will be given to candidates from the under-represented designated groups. Our Employment Equity Policy is available at [www.hr.uct.ac.za/hr/policies/employ\\_equity](http://www.hr.uct.ac.za/hr/policies/employ_equity)*

UCT reserves the right not to appoint.