

The University of KwaZulu-Natal (UKZN) is committed to meeting the objectives of Employment Equity to improve representivity within the Institution. Preference will be given to applicants from the designated groups in accordance with Employment Equity.

COLLEGE OF HEALTH SCIENCES

POSTDOCTORAL FELLOWSHIP (2 YEARS)

**DEPARTMENT OF ORTHOPAEDICS
SCHOOL OF CLINICAL MEDICINE**

NELSON R MANDELA SCHOOL OF CLINICAL MEDICINE

The Orthopaedic Research Advancement Collaborative (ORACLE) group within the Department of Orthopaedics at the UKZN School of Clinical Medicine aims to sustainably advance research culture and output, for improved evidence-based orthopaedic practice, pre-eminent publications, and promote invention and innovation.

This postdoctoral fellowship opportunity aims to bolster the research capacity, quality and output of the department. The incumbent will be expected to engage in their own research projects under the auspices of ORACLE. Furthermore, the incumbent will be expected to provide support for other research activities withing ORACLE under the supervision of the Orthopaedic Departmental Research Programme Director and the Academic Head of Department.

Minimum requirements:

- A completed doctoral degree in the last 5 years in a relevant discipline.

Recommended skills and attributes:

- A sound understanding of research methodology and scientific method
- Skilled in the use of computers, statistical software, technical, and database applications
- Knowledge of basic data collection, editing, validation, and statistical analysis
- Quantitative and/or clinical research experience
- Knowledge of the ethical requirements of research
- Experience of collaboration in a research setting

Added advantage criteria:

- Research experience in a health science field
- Knowledge and understanding of systematic literature reviews
- Ability to conduct systematic reviews and meta-analysis
- Experience with REDCap® database will be advantageous
- Ability to perform basic inferential statistics
- Knowledge of fiscal management, grant writing and administration, and grant reporting
- Experience with co-supervision of degree-related research

Required Outputs:

- The successful applicant will engage in postdoctoral research studies in the Department of Orthopaedics. Specifically the incumbent will be expected to engage with research in the field of therapeutic applications of 3D printing on orthopaedics under the guidance and in conjunction with orthopaedic surgeons and in collaboration with the Aerospace Systems Research Group (ASReG) from Mechanical Engineering
- To assist with coordination, development and co-supervision of degree and non-degree related research in the department.
- Assist with training of clinicians in research design and execution.
- Successful incumbents must be based at UKZN for the duration of the scholarship.

Comprehensive applications are invited, comprising of:

- A cover letter with motivation by the candidate on their suitability for the position, including the earliest possible starting date;
- A full curriculum vitae, including a list of publications and all qualification certificates (certified);
- Names and contact details of two referees familiar with the candidate's experience and skills
- Certified copy of the candidate's doctoral degree certificate
- Certified copy of the candidate's identity document or passport

Enquiries and details regarding this post may be directed to the Prof Len Marais, email: maraisl@ukzn.ac.za

The closing date for receipt of applications is 16 September 2022

NB: The successful incumbent will be expected to complete an employment form under Human Resource regulations for staff members. To access facilities such as the library, personalised email address and receive their monthly payment timeously.

Applicants are required to submit a CV and letter outlining their suitability be email to: Phumzile Sibanyoni SibanyoniP@ukzn.ac.za