



JUNIOR RESEARCH FELLOW: PHARMACOLOGY & PHARMACOMETRICS (3-year contract)

Drug Discovery & Development Centre (H3D)

Faculty of Science

The Holistic Drug Discovery and Development (H3D) Centre is an interdisciplinary, soft-funded research unit at the University of Cape Town (UCT). H3D staff and laboratories are situated across three sites on the UCT Campus. H3D is seeking to appoint a **Junior Research Fellow (JRF) on a 3-year contract** as soon as possible. Funding for this position is provided by the **Carnegie Developing Emerging Academic Leaders (DEAL) programme**. The applicant must be a South African citizen. This position will be predominantly laboratory-based and will involve conducting research in Pharmacology and Pharmacometrics aspects for the progression of compounds through the drug discovery cascade.

Requirements for the job

- PhD in pharmacology, biological sciences or related discipline
- Must have at least two years of postdoctoral research experience in drug discovery
- Established skills in drug metabolism and pharmacokinetics (DMPK) and pharmacometric modelling
- Bench experience in *in vitro* and *in vivo* DMPK experiments and LC-MS analysis

Advantages

- A track record of publications in pharmacology/pharmacometrics or related research
- Experience mentoring students at the Honours or Master's level
- Hands-on experience in the use and maintenance of AB Sciex and/or Agilent LC-MS systems
- Demonstrated competence in working with cellular biology assays or animal models of pharmacokinetics /efficacy
- Demonstrated experience with pharmacometric modelling, human pharmacokinetics (PK), or human dose predictions.
- The candidate should be independent and self-motivated as they will be expected to play a leading role within the project.

Responsibilities

- Design, conduct and oversee cellular biology assays, animal models of PK/efficacy, pharmacometric modelling and human dose predictions
- Participate and present work in project meetings and write research reports
- Comply with standard operating procedures for laboratory safety, use of instruments and data management
- Participation in teaching and postgraduate (co-)supervision/mentoring
- Take initiative and discuss/develop their own ideas including writing well-formulated reports
- Publishing at least 2 papers in academic journals within the period of tenure; Conduct 1 international university visit or 1 conference presentation per year
- Assist in the identification of research funding opportunities, and co-author research grants
- Commit to joining the emerging researcher programme at UCT.

The annual remuneration package for 2023, including benefits is R700 000.

To apply, please e-mail the below documents in a **single pdf file** to Ms Natasha Khan at recruitment06@uct.ac.za

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- A letter of motivation
- Curriculum Vitae (CV)
- A statement of your research interests
- Copy of South African passport or ID

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

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

Telephone: 021 650 3469 **Website:** www.h3d.uct.ac.za

Reference number: E230265 **Closing date:** 16 July 2023

"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.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf."

UCT reserves the right not to appoint.