**Postdoctoral Fellowship in Pharmacology and Proteomics**

A postdoctoral position in the Clinical Pharmacology Laboratory is available at the Division of Clinical Pharmacology, Faculty of Medicine and Health Sciences (Tygerberg campus), Stellenbosch University.

**Research Area:**

The area of postdoctoral research will be in the development of a diagnostic assay for the prevention and control of drug-induced peripheral neuropathy in patients with drug resistant tuberculosis in South Africa through innovative and interdisciplinary research. This will involve leveraging expertise in protein characterisation, quantitative methods, and computational biology to conceptualise, secure funding, and conduct research with significant clinical relevance and high academic impact.

**Requirements:**

* Applicants should have obtained a PhD degree in Pharmacology within the past 5 years.
* Applicants should have a strong academic track record.
* A strong background in proteomics, including LC-MS method development for protein characterisation, is essential.
* Proficiency in protein purification and sample preparation techniques such as immunoprecipitation, depletion of abundant proteins, tryptic proteolysis, limited proteolysis, and crosslinking is required.
* Experience with proteomics and small molecules data analysis software (e.g., Lab Solutions, Proteome Discoverer, FragPipe, Skyline, Kojak) and programming languages (Python, R, Linux bash scripting) is necessary.
* Knowledge of computational biology, including protein-protein interaction studies and job scheduling on high-performance computing clusters, is preferred.
* Experience with immunology and antibody techniques, such as epitope mapping, is beneficial.
* Ability to thrive in complex and interdisciplinary research environments, think innovatively, and be persistent in problem-solving.
* Experience with data management is required.
* A good clinical understanding of chronic disease and pharmacological disease management is advantageous.

**How to apply:**

Send a cover letter, a CV containing details of previous courses and associated grades and the email addresses of 3 references to Mrs. Mandy Harck at [mji@sun.ac.za](mailto:mji@sun.ac.za) by 24 June 2025.

**Commencement of duties:**

1 July 2025.

For more information, please contact Prof Tracy Kellermann at [tkellermann@sun.ac.za](mailto:tkellermann@sun.ac.za). Please make the email subject: Postdoctoral Fellowship: Clin Pharm 2025

Division of Clinical Pharmacology website: <https://www.sun.ac.za/english/faculty/healthsciences/Clinical%20Pharmacology/Pages/default.aspx>