



Post-doctoral Research Fellowship

**Biomedical and Molecular Metabolism (BioMMet) | North-West University
(Potchefstroom Campus, South Africa)**

Position:

Biomedical and Molecular Metabolomics (BioMMet) at North-West University in Potchefstroom (South Africa), invites applications for a postdoctoral fellowship.

Senior Post Doctoral Fellowship – Up to a maximum of 4 years @ R 488 280 p.a.

Research project description:

This investigation is primarily aimed at employing a multi-platform metabolomics research approach to better characterise and understand various diseases, including but not limited to: tuberculosis, diabetes, HIV-AIDS, and pneumonia.

Post-doctoral fellow responsibilities:

- Day-to-day management of research projects associated with fellowship
- Development, implementation and execution of laboratory experiments associated with main research project
- Liaison between collaborating institutes
- Pre- and or post-graduate module lecturing
- Supervision of pre- and post-graduate students

Minimum requirements:

- Ph.D. in Biochemistry or related field - **A strong metabolism/metabolomics background is crucial.**
- Experience in separation-based metabolic techniques and equipment especially esp. **GC-MS**
- Well versed in metabolomics analyses, data clean-up, data processing and Metaboanalyst use for metabolite marker identification from generated analytical data
- Experience in working as part of a multi-disciplinary team
- Excellent communication (English) and management/leadership skills
- Strong publication record
- MS Office suite proficiency
- Must have received a PhD within the last 5 years and below the age of 45 years old.

Please note: This is a full-time position, and fellows are not permitted to hold any other paid full-time employment positions during the tenure of the fellowship.

Application submission:

To apply, please submit the following documents to Prof. Du Toit Loots (dutoit.loots@nwu.ac.za):

- **Cover letter and personal statement:** Indicating why you are interested in the position and why you should be considered
- **Reference letters:** Minimum of two reference letters (maximum of three letters) from previous supervisors and/or employers (should include contact details of referee)
- **Curriculum vitae**
- **Certified copy of your complete academic transcript**
- **Certified copy of your Doctoral degree certificate**
- **Certified copy of your identity document (Applicants who are not South African citizens must provide certified copies of their valid passport)**

Closing date for application submission:

20 October 2026