

## Postdoctoral fellowship Position in Molecular Biology and Human Genetics

**Location:** Faculty of Medicine and Health Sciences, Department of Biomedical Science, Division of Molecular Biology and Human Genetics, Stellenbosch University (Tygerberg, Parow, Cape Town).

**Project overview:** We are seeking a highly motivated and skilled Postdoctoral fellowship to join the Functional Proteomic and Signaling Biochemistry Research Group within the Division of Molecular Biology and Human Genetics. This is a unique opportunity to join a vibrant research environment and contribute to cutting-edge work investigating the biochemical and molecular mechanisms underlying breast cancer progression. The project will focus on:

- Characterizing key signaling proteins involved in breast cancer invasion and metastasis.
- Identifying post-translational modifications (PTMs).
- Exploring subcellular localization and expression dynamics in cancer cell models.

**Qualifications:** The successful candidate should hold a **PhD in Biochemistry, Molecular Biology**, or a closely related field, awarded within the last **5 years**.

**Proficiency in:**

- Molecular and Cell Biology
- Mammalian Cell Culture
- Proteomics
- PTM (Phospho- and glycol-), particularly in the context of Breast Cancer

**Desirable Skills:**

- Proven track record of publishing research findings and securing research funding
- Familiarity with biosafety level 1 and 2 laboratory practices
- Experience in flow cytometry, mass spectrometry, and immunofluorescence
- Experience in student supervision
- Background in proteomics analysis, including bioinformatics and computational analysis

**Key Responsibilities:**

- Provide expert technical support in biochemistry and molecular biology, with a specific focus on protein research related to triple-negative breast cancer
- Assist in the management and procurement of laboratory equipment and supplies essential for the project
- Ensure accurate data recording and maintenance of research documentation
- Contribute to the presentation of research findings to the team, collaborators, and the broader scientific community
- Collaborate on the preparation of scientific publications and grant reports
- Ensure compliance with university policies on financial regulations, equal opportunities, health and safety, intellectual property rights, and other relevant guidelines
- Undertake additional responsibilities as assigned by the supervisor or Head of Department

**Application Instructions:** Interested applicants should submit their **CV**, a **cover letter**, and **contact details of two references** to Dr Ndivhuwo Tshililo ([nomuneri@sun.ac.za](mailto:nomuneri@sun.ac.za)) by **16 May 2025**.