

**Central Analytical Facilities (CAF)  
NII PET-CT Unit (Node for Infection Imaging)**

**Consultant Radiologist  
NII (SU) PET-CT Unit, Tygerberg Hospital, Cape Town  
Ref. SAF/154/0626**



**About the Unit**

*The NuMeRI NII PET-CT Unit hosted by the Central Analytical Facilities (CAF) of Stellenbosch University (SU) at Tygerberg Hospital (TBH) in Cape Town, South Africa, undertakes clinical and research imaging across oncology, cardiology, neurology, pulmonology, and infectious diseases. A broad range of radiopharmaceuticals is used, many*

*of them labelled on site in the Unit's own radiopharmacy. As an EARL-accredited PET-CT Centre of Excellence, the Unit produces harmonised, trial-grade quantitative imaging and supports national and international research collaborations.*

*The NII has a close working relationship with both TBH and with SU's Faculty of Medicine and Health Sciences (FMHS), through its Divisions of Nuclear Medicine and Radiodiagnosis.*

*The aim of CAF (including the NII) is to ensure optimal utilisation of expensive multi-user research equipment in the service of the research community. NII operations can be divided into three categories:*

- Research;*
- Private clinical practice (for cost recovery purposes);*
- Reciprocal support of state service provision when required and capacity allowing.*

## **The Opportunity**

*We are seeking a specialist radiologist to join our multidisciplinary team. This unique position combines research image analysis, clinical reporting, and academic collaboration in a state-of-the-art PET-CT and radiopharmacy research facility. The incumbent will play a pivotal role in advancing medical imaging research while contributing to clinical service delivery.*

## **What We Offer**

- Minimal overtime requirements – no after-hours call commitment.*
- A rewarding balance of research and clinical work within a leading academic institution and affiliation with SU's FMHS.*
- Located at TBH in Cape Town, the position offers an exceptional quality of life -- with the Western Cape's world-renowned natural environment, vibrant cultural scene, and international connectivity all on your doorstep.*
- Collaboration with national and international research networks.*
- The opportunity to shape imaging protocols for emerging research questions.*
- Multidisciplinary teamwork with radiology and nuclear medicine specialists, researchers, and clinicians.*
- Professional development opportunities in research imaging and advanced modalities.*

## **Duties:**

### **Clinical Interpretation and Reporting**

- Clinical interpretation of PET-CT (majority) and SPECT-CT studies in collaboration with nuclear physicians.*
- Clinical interpretation of other medical imaging studies (CT, MRI, US, x-ray, mammography).*
- Attending multidisciplinary team meetings to present CAF/NII studies.*
- To the extent that capacity allows, contributing towards the clinical service of TBH's Divisions of Radiodiagnosis and Nuclear Medicine, including reporting.*

### **Research Imaging Analysis**

- Research analysis and reporting of medical imaging studies for research clients, including extraction of quantitative imaging parameters, reporting according to research protocols, and completion of clinical research forms (training provided).
- Applying standardised response assessment systems (e.g. RECIST) to clinical trial imaging.
- Refining existing CAF/NII imaging protocols and workflows, including development of new protocols, to maximise sustainability and research impact of the Unit.
- Contributing to planning of medical imaging services provided by CAF/NII to such an extent that the research interests of the national research community are best served and can function cost-effectively and sustainably.

### **Patient Care and Clinical Supervision**

- On-site clinical supervision and management of patients and research participants on the day of their studies, which may include assistance with difficult IV access, prescription of medications, interviewing patients, and limited in-person clinical patient care.
- Upholding patient and participant privacy in compliance with POPIA and GCP requirements.

### **Strategic, Operational, and Quality Assurance**

- Using and limited management of the NII PACS-RIS platforms.
- Contributing to management of the NII as a member of the Unit management team.
- Contributing to the close and effective operational relationship between CAF/NII and TBH.
- Collaborating with clinicians and researchers, including management of relationships and communication with clients of the Unit.
- Reporting directly to the NII Director.

### **Requirements:**

- Appropriate qualification that allows registration with the Health Professions Council of South Africa (HPCSA) as a medical specialist in radiology.
- Active HPCSA registration as an independent practitioner (specialist): radiology.
- Meticulous attention to detail in image interpretation and quantitative measurement extraction.
- Experience in interpretation of medical imaging across multiple modalities (CT, MRI, US, x-ray, mammography).
- Strong clinical judgement and attention to diagnostic detail.
- Experience in the clinical use of PACS-RIS systems.
- Verbal and written fluency in English.
- Excellent communication skills and the ability to collaborate towards joint solutions.
- Strong interpersonal skills, with the ability to collaborate effectively in a multidisciplinary environment and maintain a supportive, team-oriented approach.
- Demonstrated ability to work independently while contributing to team objectives.

### **Recommendations:**

- Experience in interpretation of PET-CT images.
- Advanced segmentation experience: manual, semi-automated, or AI-assisted segmentation techniques for tumour delineation and volumetric analysis.
- Demonstrated experience in quantitative image analysis, including ROI/VOI-based measurements, and extraction of quantitative metrics from multimodality medical images.
- Experience in standardised response assessment systems, including RECIST.
- Relevant research experience as evidenced by publications in accredited journals that were a direct result of the applicant's own work.
- Additional qualifications and/or certifications applicable to the operations of a clinical and research PET-CT facility.
- Fellowships in a radiological subspecialty area (e.g. PET-CT, thoracic, body imaging).
- Experience in grant writing and research funding applications.

**Commencement of duties:**

01 September 2026 or as arranged

**Closing date:**

14 August 2026

**Enquiries about this post:** Prof Alex Doruyter on 021 834 4620, or at [doruyter@sun.ac.za](mailto:doruyter@sun.ac.za).

**Enquiries about remuneration/benefits and technical assistance with the electronic application process:** Human Resources Client Services Centre, on 021 808 2753 (Stellenbosch), 021 938 9636 (Tygerberg), or at [sun-e-hr@sun.ac.za](mailto:sun-e-hr@sun.ac.za)

**Remuneration:**

Competitive package, negotiable.

**How to Apply**

***The University is committed to employment equity (EE), and appointments will be made in line with the institutional EE Plan.***

***Stellenbosch University reserves the right not to make an appointment.***

Your application, comprising **a comprehensive curriculum vitae (including the names and email addresses of at least three references)**, must reach the University before or on the closing date in the advertisement.

Apply online at <https://www.su.ac.za/en/careers-su> by clicking “Apply now” at the top right of the page for the specific vacancy.

The University reserves the right to investigate qualifications and conduct background checks on all candidates.

The Occupational Health and Safety Act requires people in occupations that entail potential exposure to certain hazards (such as noise, hazardous chemical substances and hazardous biological agents) to undergo medical screening to determine whether they are fit to work in those occupations.

***If you have received no feedback from the University after four to six weeks of the closing date, kindly accept that your application was unsuccessful.***