

SNSF Funded PhD Fellowship in Advanced PET Imaging and Kinetic Modelling



We are offering an exciting PhD opportunity at Bern University Hospital, uniquely positioned at the interface of academia and clinical practice. This fully funded position (3 years) is part of a Swiss National Science Foundation (SNSF) funded project conducted at Inselspital, Bern University Hospital. The successful candidate will be enrolled in the PhD program at the University of Bern.

The project focuses on advancing quantitative PET imaging for oncological applications using state-of-the-art long axial field-of-view (LAFOV) PET technology. The candidate will work with dynamic PET data and contribute to the development and evaluation of novel analysis approaches, including kinetic modelling and quantitative image analysis.

The position offers a unique opportunity to perform cutting-edge translational research in a multidisciplinary environment, combining medical imaging, data science, and clinical applications, with direct relevance to patient care.

The ideal candidate should have the following qualifications and experience:

- A master's degree in engineering, computer science, physics, biomedical engineering, or a related field.
- Strong programming skills (e.g. Python, Matlab); experience with data analysis is required.
- Experience in medical imaging and/or quantitative modelling is desirable.
- Familiarity with machine learning frameworks (e.g. PyTorch, TensorFlow) is an advantage.
- Excellent English communication skills, both written and spoken.
- Strong motivation for translational research in a clinical environment and the ability to work in a multidisciplinary team.

Interested candidates should submit a cover letter and CV via email to Dr. Hasan Sari (hasan.sari@unibe.ch) and Dr. Federico Caobelli (federico.caobelli@insel.ch) by 30 April 2026. Applications will be evaluated on a rolling basis. For informal enquiries, please contact Dr. Hasan Sari.