



## Applied Physicist in Medical Imaging

Terapet SA is a Geneva-based [CERN MedTech start-up](#) developing innovative medical imaging devices to advance nuclear medicine and particle therapy.

We are looking for an applied physicist with strong analytical and computational skills to join our small, dynamic, and passionate team.

<b>Contract:</b> Permanent (100%), start as soon as possible
<b>Place of work:</b> Rue du Pré-Bouvier 7, CH-1242 Satigny
<b>Job description</b> In this role, you will contribute directly to the development of next-generation nuclear imaging devices. You will work closely with hardware, software, and electronics engineers to develop, test and optimise detector systems using experimental data, simulation, and analytical models. You will be involved throughout the development cycle, from early design studies to device deployment, testing, and analysis of experimental results and regulatory approval.
<b>Responsibilities:</b> <ul style="list-style-type: none"><li>• Prototyping, testing, and data analysis for detector technology development.</li><li>• Development and validation of detector calibration and data processing methods.</li><li>• Development and evaluation of image reconstruction and correction methods for nuclear imaging.</li><li>• Quantitative analysis and simulation to support detector optimisation and the design of future devices.</li><li>• Documentation of design choices, test cases and experimental results in accordance with medical device quality standards.</li><li>• Coordinating collaborative projects with external partners.</li></ul>
<b>Requirements:</b> <ul style="list-style-type: none"><li>• MSc or higher degree in Physics or a closely related field (e.g. Engineering, Mathematics or Software Engineering)</li><li>• Strong computing experience for scientific or engineering applications, ideally in Python</li><li>• Experience with large-scale data processing (multiprocessing, larger-than-memory datasets)</li><li>• Experience in technical writing (e.g. scientific publications, technical reports, funding or patent documentation)</li><li>• Professional working level of English</li></ul>
<b>Preferred experience:</b> <ul style="list-style-type: none"><li>• Experience with nuclear medical imaging devices (PET, SPECT)</li><li>• Familiarity with tomographic image reconstruction techniques</li><li>• Experience with Monte Carlo simulation for detector modelling (e.g. Geant4 or similar tools)</li><li>• Prior experience in medical device development (ISO 13485) in an industrial or regulated setting</li></ul>

If you would like to know more about this position, please contact us on +41763399580.

If you are interested, please send your CV and cover letter to [recruitment@terapet.ch](mailto:recruitment@terapet.ch).

This position will be filled as soon as a suitable candidate is found.