

Positron Emission Tomography (PET) Scientist

Job: pet scientist

Short description: pet physics and reconstruction expert

Affiliation: Siemens Knoxville Tennessee USA

Req ID: 291594

This is a role well suited to an ambitious professional, looking for the next step in their career.

As a PET Scientist, you will be responsible for:

- Supports the technology/innovation roadmap of the PET Physics and Reconstruction team
- Supports hardware innovation development at all levels: detector, analog electronics, digital electronics, acquisition computer and system level
- Supports software innovation development at all levels: PET data corrections; image reconstruction algorithms, both analytical and statistical, design, implementation and optimization; image processing.
- Assures transfer of technologies into product solutions by working closely with other R&D teams and product management
- Participates in publication of results at conferences and in peer-reviewed journals
- Protects innovations with invention disclosures
- Travels both internationally and domestically for customer visits and conferences

This position may suit you best if you are familiar with what is below, and would like to do develop your career with Healthineers

- Strong mathematical background
- Experience in Monte Carlo simulation
- Experience in artificial intelligence and neural networks
- Experience in electronics and detector design and FPGA programming
- Excellent interpersonal skills, communication skills and can-do attitude
- Strong collaboration skills and ability to thrive in a virtual and fast-paced environment
- Outstanding ability to work independently, be creative, overcome obstacles

Required skills to have for the success of this role

- Ph.D. in physics /mathematics/electrical/nuclear engineering or related field
- Experience in multiple programming languages, preferably including C++
- Experience in a research environment in one of these fields: PET, image reconstruction, radiation physics, nuclear physics, particle physics, or related field.

<https://jobs.siemens.com/healthineers/jobs/291594?lang=en-us&previousLocale=en-US>