Senior Scientist (postdoc) in PET imaging
(UMCG, department Nuclear Medicine & Molecular Imaging)

<u>Introduction</u>
Do you wish to join an internationally leading group in PET imaging physics and make a transformative difference in the field of molecular imaging? Then we are looking for you!

<u>What you will do?</u>
You will join the team of Prof. Charalampos Tsoumpas, who was recently awarded a prestigious €1.5M personal grant funded by the Vici Talent Program (Dutch Research Foundation, domain of Applied and Engineering Sciences) to develop innovative image reconstruction techniques for extremely low dose PET/CT imaging. You will play a key role in co-leading the research activities of the project and contribute significantly to the supervision of several junior post-doctorate scientists and PhD students. Your work is expected to lead to conference presentations, peer-reviewed journal articles, open-source software, international patent applications and eventually in clinical products.

<u>Where you will work?</u>
The University Medical Center Groningen (UMCG) is one of the largest academic hospitals in the Netherlands and the largest employer in the Northern Netherlands. In addition to providing clinical care, it is a constituent member of the University of Groningen with much focus on core research, training, and education. The Department of Nuclear Medicine & Molecular Imaging as part of UMCG has international reputation for its state-of-the-art infrastructure and front-end research activities together with its internal and external collaborations. The Department has installed a Siemens Biograph Vision Quadra PET/CT scanner and has a strategic high-profile collaboration with Siemens Healthineers.

At least as important as a pleasant working environment is a pleasant living environment. Groningen is a thriving university city set in quiet, spacious surroundings.

<u>What do we ask</u>
You should be a creative and passionate researcher with a PhD degree in Physics, Medical Physics, Computer Science, Applied Mathematics, Artificial Intelligence, Biomedical Engineering, Electrical Engineering, Computational Engineering, and preferably more than three years of post-doctorate experience in PET imaging or in tomographic image reconstruction. Excellent communication skills (in English), passion in software development and an innovative mindset are essential.

The UMCG has a preventive Hepatitis B policy. If required for the position, the UMCG can provide the vaccination.

<u>What do we offer</u>
We offer a challenging position in an enthusiastic team of experts. A fulltime (36 hours per week contract for five years with the starting date of 1st of October 2025. Your indicative starting salary (36 hours/week) is minimum of € 4.818,-- and maximum of € 5.847,-- (scale 11, step 6) gross per month. In addition, you will receive 8% holiday pay, and 8.3% end-of-year bonus. A reduced taxation scheme may apply for some candidates. The conditions of employment comply with the Collective Labour Agreement for Dutch Medical Centers (CAO-UMC). An advanced career development program for the individual will be available. Candidates with very strong academic credentials will be considered for being promoted to Assistant Professor within the Faculty of Medical Sciences of the University of Groningen.

More information

For more information, please contact: Prof. Charalampos (Harry) Tsoumpas, c.tsoumpas@umcg.nl

How to apply
Your application should be submitted by the 5th of May. We would expect to receive: a letter of motivation (maximum one A4 page), brief curriculum vitae (not more than two pages), list of scientific outputs such as publications, conference abstracts, patents, manuscripts of three representative peer reviewed publications as first or last/corresponding author and a separate list of contact details of up to five referees. We anticipate that shortlisted candidates will be interviewed on the 27th of May. Referees will be contacted only after the interview.