

Joint Tehran- Groningen Postdoc Program in Molecular Imaging

Working environment

An opportunity exists for a talented postdoc in the field of molecular imaging at the Department of Nuclear Medicine and Molecular Imaging of the University Medical Center Groningen and Institute of Fundamental Sciences, Tehran. The postdoc position is part of the collaboration between the University of Groningen, Shahid Beheshti University and Institute of Research in Fundamental Sciences in Tehran, to foster imaging science.

Job description

The successful applicant will have responsibility for the progression of several novel lead molecules into clinical imaging studies as part of collaboration. The scope of the project will include method development for the radiolabelling of ^{11}C and ^{18}F -molecules, *in vitro* and *in vivo* clinical-enabling studies to confirm labelled molecule characteristics and the preparation of GMP-compliant radiolabelled material for use in clinical imaging studies.

Within this project, the postdoc will develop radiolabelled proteins to provide biopharmaceutical tracers for Positron Emission Tomography (PET) imaging. The biological/pharmacological properties of these radiotracers will be explored in a range of pre-clinical models (including *in vivo*), and ultimately in patients using conditions compliant with Good Manufacturing Practice (GMP).

What do we need?

- The successful candidate for the post-doc position should have a PhD degree
- The candidate should have relevant research experience in the field of (medical) biology, biotechnology, pharmacy, biochemistry or equivalent
- Knowledge of radiolabelling techniques, *in vitro* and *in vivo* studies is required
- Understanding GMP-compliant environment
- Knowledge of *in vivo* imaging techniques is highly desirable
- The candidate should be able to work in a multidisciplinary environment, have good communicative skills and be proficient in the English language.
- The candidate should be able to start the project as soon as possible

What do we offer?

- The duration of the project is 24 months, of which the first year will be Groningen.
- The position is fully funded according to the IPM regulations including the period spend in Groningen.

Applying for a job

Interested individuals are encouraged to send their CV to:

Prof. M. Zarei, Dean, School of Cognitive Science, Institute of Research in Fundamental Sciences, Tehran, Iran.

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