

Postdoctoral Fellowship in Preclinical Cardiovascular Molecular Imaging

The Department of Nuclear Medicine at Hannover Medical School is seeking a highly motivated postdoctoral researcher to join our Translational Cardiovascular Molecular Imaging team. Our lab focuses on developing molecular imaging to guide and optimize novel therapies for heart failure, bringing together radionuclide imaging and single cell characterization. We offer a dynamic, international and collaborative research environment with access to state-of-the-art infrastructure and technologies.

The successful candidate will investigate the involvement of distinct immune cell and fibroblast subpopulations on the progression of heart failure after myocardial infarction in mice. The contribution of cardiac injury to distant organ function will be evaluated also. This will involve small animal positron emission tomography, computed tomography, magnetic resonance imaging in rodent models of cardiac disease, as well as magnetic immunoseparation, flow cytometry, immunohistochemistry, and cell-based assays.

A PhD or MD/PhD in basic cardiology, molecular imaging, or a related field is required. Candidates should have experience with animal research and molecular imaging. Experience with sterile cell culture, flow cytometry, immunohistochemistry, other molecular biology assays, and image analysis software (e.g. PMOD) is highly desirable. A demonstrable track record of research, presentation and publication is essential.

The Postdoctoral position is funded as part of the European Research Council Consolidator Grant MIGRATE and is planned for a minimum 2-year term with the possibility of renewal, beginning from 01.10.2025.

To apply, please submit a cover letter, CV, and contact information for two references to Thackeray.james@mh-hannover.de. Applications received by 31.08.2025 will receive full consideration.