

The Cardiovascular Research Institute of Maastricht ([CARIM](#)) is seeking a highly motivated graduated student with interest in vascular biology, diabetes and neuroscience to join a trans-disciplinary team led by Prof Casper Schalkwijk and Prof Robert van Oostenbrugge to work on “AGE-ing of the brain microvessels: the road to vascular cognitive impairment”.

The main purpose of our research is to understand how advanced glycation endproducts (AGEs) are involved in the pathogenesis of cerebral small vessel disease. The project involves a broad spectrum of methodologies including animal behavioral testing, in vivo multiphoton imaging, molecular and biochemical assays, immunohistochemistry and confocal imaging.

Tasks and responsibilities

- Design and rigorous execution of experimental work, data analysis and dissemination of results;
- Co-supervise research interns;
- Contribute to teaching activities carried by the research group;
- Creative and independent thinker who can deepen a research question;
- Excellent communicator (oral and written) and team worker.

Requirements

- a MSc degree in a biomedical related field;
- animal certification (Dutch art 9 or FELASA C) or willing to obtain;
- excellent written and oral communication skills in English;
- knowledge and experience with common laboratory assays;
- knowledge and experience with animal behavior and/or confocal/multiphoton imaging will be a major advantage.

We encourage you to apply when you feel prepared to take on challenging aims. This project is highly collaborative within an interdisciplinary team and will suit an ambitious candidate who thrives in a fast-paced environment. Successful candidates will work under the supervision of Prof Casper Schalkwijk, Prof Robert van Oostenbrugge and Dr Sébastien Foulquier. The PhD candidate will be affiliated at the Department of Internal Medicine and the Department of Pharmacology-Toxicology at Maastricht University. The candidate is expected to collaborate with other PhD-students and postdoctoral fellows in the participating research groups.

What do we offer?

- An international PhD training program taught in English;
- Friendly and multi-disciplinary environment;
- State-of-the-art facilities and cutting-edge research project;
- Fixed-term contract of 1 + 3 years (evaluation after first year), full-time position. The salary will be set according to PhD salary scale of the Collective Labor Agreement of the Dutch Universities (CAO-NU).

Interested?

Deadline for submitting your application is January 6 2020.

Please send your CV with names of two referees and a cover letter to:

c.schalkwijk@maastrichtuniversity.nl and s.foulquier@maastrichtuniversity.nl

The position is to be filled ideally by February 1st 2020.