

Vacancy: PhD student

Department of Morphology

Last application date	Aug 15, 2019 23:59
Department	DI03 – Department of Morphology
Contract	limited duration (4 year)
Occupancy rate	100%
Vacature type	Research staff

JOB DESCRIPTION

With this research project, we want to investigate the cross-talk between endothelial cells of the kidney glomeruli and the podocytes surrounding the glomerular capillaries. We recently found the expression of the TIE2 and TIE1 receptors on podocytes, which are important receptors for vascular stabilization and maturation. The function of the TIE-receptors on the glomerular podocytes has not been established yet. Using a combination of *in vitro* cell culture techniques, western blotting and gene expression analyses, we want to establish the role of the TIE-receptors in podocytes and identify the molecular pathways that are under control of the TIE- receptors in podocytes.

Tasks:

- Perform *in vitro* laboratory experiments
- Write scientific publications and contribute to project writing
- Supervise bachelor and master students during projects and practical courses

OUR OFFER

- We offer a PhD scholarship of 1 year, which is extendible with another three years after positive evaluation
- You will receive a PhD scholarship according to the general conditions at Ghent University
- You will work in a dynamic research environment

YOUR PROFILE

- You have a master's degree (Biology, Biomedicine, Bio-engineering, Biochemistry and Biotechnology or equivalent) and have obtained this in one of the countries of the European Economic Area or Switzerland
- You have excellent grades in your bachelor and master degree (i.e. you belong to the top 10% of your cohort)
- You (will) obtained your master's degree in 2018 or 2019
- You have a strong interest in molecular biology and experimental biology using cell cultures and western blotting. Experience in one or more of these techniques is considered a plus
- You have excellent communication and writing skills in English and/or Dutch
- You are willing to perform short or long research stays at collaborating international institutions
- You are willing to apply for additional funding when eligible

HOW TO APPLY

All applications must be sent to Ward.Despiegelaere@UGent.be with the following attached documents:

- Application letter
- Full CV
- A transcript of the obtained degree in combination with your position in the cohort
- Names and contact details of at least two references

For more information, please contact: Prof. Ward De Spiegelaere (Ward.Despiegelaere@UGent.be, +32 9264 77 38).

