



GHENT UNIVERSITY
GLOBAL CAMPUS

[Doctor-assistant/Full-time Post-doctoral researcher in Immunology and Bioinformatics – Ghent University Global Campus, Korea](#)

Ghent University Global Campus

Ghent University Global Campus (GUGC) is an integrated campus of Ghent University, Belgium, and the first European university to be part of the Incheon Global Campus (IGC) in Incheon, South Korea. Ghent University Global Campus currently offers Bachelor of Science programs in Molecular Biotechnology, Environmental Technology, and Food Technology. Ghent University is one of the top 100 universities in the world (ARWU 62nd), and in the Life Sciences subjects taught at GUGC, Ghent University ranks even higher.

Please visit the Ghent University Global Campus homepages to learn more about our organization: <http://www.ugent.be/en> and <http://www.ghent.ac.kr>.

Job Summary

Full-time post-doctoral researcher – Ghent University Global Campus

Department: Department of Environmental Technology, Food Technology and Molecular Biotechnology (KR01)

Degree: PhD in Science, Biotechnology or Bio-engineering, with a thesis covering one of the fields: Bioinformatics, Immunology and Molecular Biology.

Contract: 6 year contract (2 + 2 +2)

Occupancy rate: 100%

Vacancy Type: Doctor-assistant (associate professor)

Last application date: 31 August 2021 12:00 (Applicants are encouraged to apply immediately as the position will be filled when there is a right candidate)

Starting date: 01 October, 2021 (negotiable)



Job Position

Ghent University Global Campus, South Korea, has a vacancy for a full-time post-doctoral research position, starting from October, 2021 (open to negotiation). It concerns a 6-year (maximum) full-time position.

The candidate will work under the supervision of Prof. Stefan Magez and Prof. Radwanska at the Biomedical Research Center. The selected candidate is expected to guide ongoing PhD project and teach undergraduate practical courses, design and perform high-quality scientific research at Ghent University Global Campus, South Korea.

The research topic will start of with the analysis of bone marrow alterations during *Trypanosome brucei* and *evansi* infections and could progress towards the analysis of other mature immune cell populations in the spleen. The topic will be heavily based on the use of scRNAseq and bulk RNA sequencing to identify cell populations and mechanisms underlying infection associated pathology. Bioinformatics data analysis in R will be crucial to the completion of the project. Knowledge of immunological pathways that govern host-parasite interactions is an absolute prerequisite for this work, as it will be needed to guide ongoing PhD research topics that all focus on the immunology of trypanosomosis.

Doctor-assistant tasks include:

Practical course support:

- ♦ Providing oversight for students during exercise sessions and practical courses of Immunology and Molecular Biology
- ♦ Organization of exercise sessions and practical courses
- ♦ Support and supervision during examination sessions

Research center support:

- ♦ Execution of research center projects
- ♦ Providing support and supervision to ongoing PhD projects
- ♦ Support for laboratory experiments and facility
- ♦ Management of the laboratory stocks and inventories

Required Skills



- ♦ The candidate must be able to present a research proposal with a strong focus on scRNAseq technology, that fits within the scope of the published research of prof. Magez and Prof. Radwanska.
- ♦ PhD in Sciences, Biotechnology or Bio-engineering with MSc thesis covering one of the fields: Bioinformatics, Immunology, and Molecular Biology.
- ♦ Background knowledge of Immunology and host-parasite interactions. Knowledge of *T. brucei* and *T. evansi* experimental models will be considered a crucial asset.
- ♦ Knowledge of scRNAseq technology and bioinformatics data processing pipelines and R is mandatory.
- ♦ Strong English communication and presentation skills in both speaking and writing.
- ♦ Knowledge of the Korean language is an asset, as it will enable you to mediate communication with Korean companies, equipment/reagent providers, and outsourcing partners.
- ♦ Excellent service oriented mind and a pro-active attitude with the maturity to deal with stressful situations and a strong sense of responsibility.
- ♦ The ability to work independently, have strong self-learning ability, and maintain an excellent team spirit as well as strong working ethics.
- ♦ Willingness to work flexible working hours from time to time and participate in events outside of regular working hours can be required.

Application Documents

- ❖ Motivation letter and maximum 2 page research plan related to the advertised position and research conducted currently in the lab.
- ❖ Full resume (CV), including at least 3 references
- ❖ Copy of the PhD degree (a PDF copy of the PhD can be submitted during the selection procedure)
- ❖ Transcripts (overview of study results)

All required documents must be submitted in English. The documents must be merged into a single PDF file and sent to GUGC_HR@ghent.ac.kr and Prof. Dr. ir. Stefan Magez, Stefan.Magez@ghent.ac.kr (subject line: Full-time Teaching Assistant). The candidate will receive an e-mail confirming receipt of the application.



Application Process and Interview

- ♦ Interviews will take place in stages from the first available time, possibly via Skype or Zoom.
- ♦ Applicants are encouraged to apply immediately as the position will be filled upon finding the right candidate

We reserve the right to hold applications on file for potential future job openings.

Selection Process

- ♦ CV Screening -> Interview -> Internal committee -> Approval -> Acceptance Notice to the candidate selected.

Compensation & Benefits for the candidate selected

- ♦ Basic Term of the Contract
-2 year-contract term
- ♦ Salary
-starts from Annual Base Salary of 46,624,160 KRW (Monthly Salary of 3,885,347 KRW, Gross)
- ♦ Bonuses
-Additional two bonuses in June (92% of monthly salary) and December (100% monthly salary)
- ♦ Two round-tickets to Hometown (For foreigners only)
-The selected candidate with foreign nationality, shall have two round-tickets to Hometown per year (up to 4,000,000 KRW)
- ♦ Severance
-Severance shall be paid when the contract ends and if the candidate works more than one year.



- ◆ **Private Health Insurances**
 - Marsh private health insurance provided, including basic medical reimbursements

- ◆ **Extensive annual paid leave and holidays**
 - The selected candidate shall have 35 days paid annual leave per year.
 - Additional holiday from Christmas to New Year.