

PHD STUDENT POSITION AVAILABLE IN THE LABORATORY OF CELLULAR AND MOLECULAR IMMUNOLOGY

Established in 2007 at the University of Liège, **GIGA** is an interdisciplinary research center in biomedical sciences whose mission is advanced medical innovation. The institute encompasses more than 500 members (PI, senior researchers, post-doctoral scientists, thesis students, technicians) with expertise in medical genomics, *in silico* medicine, neuroscience, oncology, infection and immunity, and cardiovascular sciences.

GIGA provides its members access to a broad range of state-of-the-art technologies through core facilities, including the genomics platform (<http://www.giga.uliege.be/>).

GIGA is the only Belgian research center directly integrated within a university hospital, making it a major player in translational research where links between researchers and doctors are at the heart of the research activity.

The Laboratory of Cellular and Molecular Immunology (LCMI, www.giga.uliege.be/lcmi) of the GIGA-inflammation, infection & immunity (http://www.giga.uliege.be/cms/c_17624/fr/giga-inflammation-infection-immunity-accueil) is **seeking to hire, as soon as possible, an enthusiastic PhD student.**

Description

A 3 to 4-year full-time PhD student position is available in the Laboratory of Cellular and Molecular Immunology (LCMI, www.giga.uliege.be/lcmi) of Liege University in Belgium. The established group that the successful applicant would join recently documented the existence of at least 2 subsets of eosinophils in mice. The proposed project aims at characterizing eosinophil heterogeneity in human, as well as their relation to human respiratory disease. You would work with an international team of veterinarians and biologists within the LCMI and collaborate closely with the Pneumology department of the University Hospital. The LCMI is part of the GIGA (GIGA-R, www.giga.uliege.be). The Lab is located on the site of the University Hospital, which facilitates the translational aspects of the project, and disposes of top-notch mutualized technological platforms (10X Genomics, FACS Aria II, BD Fortessa,...). The project is funded by the inter-University Excellence of Science (EOS) initiative of the Belgian Federal State and by the Belgian National Fund for Scientific Research (FRS-FNRS) and will be run in close collaboration with other leading teams in Belgium.

Profile

We are looking for a highly motivated young researcher with a Master degree in biology/medicine or assimilated with a high interest in Immunology. Fluency in oral and written English and/or French, an independent mind yet with a good team spirit and excellent communication and organizational skills are essential requirements. Good spoken and written English.

We offer

- A high profile research project, fully financed by highly competitive grants
- A modern, international and well-equipped research environment with state-of-the-art technological platforms
- An attractive salary in an affordable, lively and welcoming environment

How to apply?

Please send the following documents in English
to christophe.desmet@uliege.be and n.jacobs@uliege.be :

1. A motivation letter
2. Curriculum vitae, including your rankings/grades
3. Contact details of at least 2 senior references

Selected publications

1. Mesnil C, Raulier S, Paulissen G, Xiao X, Birrell MA, Pirottin D, Janss T, Starkl P, Ramery E, Henket M, Schleich FN, Radermecker M, Thielemans K, Gillet L, Thiry M, Belvisi MG, Louis R, Desmet C, Marichal T, Bureau F. Lung-resident eosinophils represent a distinct regulatory eosinophil subset. *J Clin Invest*. 2016, 126(9):3279-95. doi: 10.1172/JCI85664.

2. Sabatel C, Radermecker C, Fievez L, Paulissen G, Chakarov S, Fernandes C, Olivier S, Toussaint M, Pirottin D, Xiao X, Quatresooz P, Sirard JC, Cataldo D, Gillet L, Bouabe H, Desmet CJ, Ginhoux F, Marichal T, Bureau F. Exposure to Bacterial CpG DNA Protects from Airway Allergic Inflammation by Expanding Regulatory Lung Interstitial Macrophages. *Immunity*. 2017, 46(3):457-473. doi: 10.1016/j.immuni.2017.02.016.

3. Toussaint M, Jackson DJ, Swieboda D, Guedán A, Tsurouktsoglou TD, Ching YM, Radermecker C, Makrinioti H, Aniscenko J, Edwards MR, Solari R, Farnir F, Papayannopoulos V, Bureau F, Marichal T, Johnston SL. Host DNA released by NETosis promotes rhinovirus-induced type-2 allergic asthma exacerbation. *Nat Med*. 2017, 23(6):681-691. doi: 10.1038/nm.4332.

4. Marichal T, Ohata K, Bedoret D, Mesnil C, Sabatel C, Kobiyama K, Lekeux P, Coban C, Akira S, Ishii KJ*, Bureau F, Desmet CJ. DNA released from dying host cells mediates aluminum adjuvant activity. *Nat Med*. 2011, 17(8):996-1002. doi: 10.1038/nm.2403.