



Experimental and Translational Immunology group (DGO lab)
at the Intercollegiate Faculty of Biotechnology in Gdansk, Poland



Offer: Post-doctoral researcher

Experimental and Translational Immunology group (DGO lab) seeks to recruit a talented and passionate individual to work in the field of immunology. More details about the PI and the research group at: www.dgo.ug.edu.pl



Project description:

Allergic diseases often occur in a pattern of the so-called "allergic march"; the significant role of atopic dermatitis has been proven (AD) as an initiating factor in asthma and inflammation in distant tissues. In our research, we have identified abnormal communication between the skin and the immune system in AD, and specifically, the role of small extracellular vesicles (sEV), produced by diseased keratinocytes, in exacerbating allergic inflammation in the disease. Since sEVs are transferred in the body with circulation, in this project we want to investigate the involvement of those vesicles in promoting allergic inflammation outside the skin, contributing to the progression of allergic march. This prestigious project includes both *in vitro* and *in vivo models* and is carried out in collaboration with Prof. Graham Ogg, the scientific partner from the University of Oxford.

The funding for this exciting project was obtained within the FIRST TEAM programme of the Foundation for Polish Science co-financed by the European Union under the FENG Programme (The European Funds for Smart Economy 2021-2027).

Details of employment:

- Full-time, up to 4 years (probatory period applies)
- Gross salary: circa 13 000 PLN/month
- Preferred starting date: November 2024 (negotiable)

Responsibilities:

1. Designing, planning, and carrying out experimental work under the supervision of Principal Investigator, maintaining regular and complete research notes;
2. Scientific initiative and contribution through regular reporting and publishing, as well as presenting at group meetings, national and international conferences, as required;
3. Providing help and supervision to junior members of the group;
4. Contribution to the efficient functioning of the lab, incl. administrative and organizational tasks as a part of the team.

Requirements:

1. Ph.D. in immunology, biology, biotechnology, medical biology or similar (or expected to be awarded before the start of the employment);
2. Proven hands-on experience with animal models; including *in vivo* work with the harvested tissues;
3. Proven hands-on experience in tissue culture, standard immunology, and basic molecular biology techniques;
4. Interest in immunology and allergy;
5. Passion, ambition, and motivation for scientific development;
6. Ability to work independently, in a team, and in collaborative projects;
7. Very good English language skills (written and oral) as required for scientific environment.

Desirable:

- Hands-on experience with keratinocytes, sEVs, immunohistochemistry, transfection and CRISPR.
- Certifications/licenses related to the work with animals
- Experience in 3D *in vitro* models

We offer:

1. The opportunity to contribute to an exciting research project in collaboration with world-leading scientists;
2. Excellent opportunity to extend and enrich personal scientific career track and acquiring multidisciplinary skills;
3. Opportunity to work in one of the best research institutions in Poland;
4. Supportive environment and opportunity to realize research ambitions;
5. Supervisory experience;
6. Personal development of transferable skills;
7. Flexible working time.

Required documents:

- CV (in English) documenting achievements, scientific degrees, publications, technical skills, research stays and other relevant experience;
 - Document confirming the scientific degree;
 - Cover letter (in English) outlining motivation to join the project and the most important scientific achievement of the candidate;
 - Details of at least two individuals willing to provide references for the candidate.
- Please include in your application: "I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended."

Deadline for submitting documents: 31st October 2024**Interviews for selected candidates:** 7-8th November 2024Applications and informal enquires: danuta.gutowska-owski[at]ug.edu.pl; more details: www.dgo.ug.edu.pl

Intercollegiate Faculty of Biotechnology (IFB), established between the University of Gdansk and Medical University of Gdansk consistently ranks in the top three universities for Biotechnology and sustains productive interdisciplinary environment, fostering research and innovation. The modern Institute of Biotechnology in Oliva Campus offers excellent research provisions, with access to core facilities and equipment necessary to conduct high quality research. <http://en.biotech.ug.edu.pl/>.



Gdansk and the "Tri-City". Together with Sopot and Gdynia, the beautiful city of Gdansk on the Baltic coast offers both historical town as well as great infrastructure, fantastic transport links and an international airport within easy reach. Gdansk and the Tricity offer both academic and cultural excitement as well as modern lifestyle with a variety of entertainment options and miles of sandy beach.

European Funds
for Smart EconomyRepublic
of PolandCo-funded by the
European UnionFoundation for
Polish Science