JOB OFFER – *Post-Doc*

A postdoctoral research position is available to participate in a research that has been designed to elucidate the role of EXNs and EXN-induced purinergic signaling in hematopoiesis

Project Title:

Purinergic signaling as important regulator of hematopoietic system

Project Background:

Hematopoiesis is an exciting and extensively studied topic. Nevertheless, there are still many questions that need to be addressed. For many years, regulation of hematopoiesis has been viewed through the prism of regulatory effects of peptide-based growth factors, cytokines, and chemokines. More recently, attention has been paid to the regulatory effects of bioactive lipids. What is important for this proposal, evidence has accumulated that small **extracellular nucleotides (EXNs)**, when released from the cells, act as signaling molecules, and EXNs have emerged as a new potential group of hematopoiesis regulatory factors. EXNs are released in response to certain stimuli, and they may also be secreted from damaged, leaky cells as **danger-associated molecular pattern (DAMP)** molecules or alarmines — as seen for example in bone marrow exposed to *i)* inflammation, *ii)* hypoxia, or *iii)* radio-chemotherapy. Nevertheless, several questions still need to be addressed, as EXN-mediated purinergic signaling in hematopoiesis has mainly been investigated in terminally differentiated cells. Deciphering mechanisms operating in HSPCs regulating their proliferation and trafficking will allow to better understand regulation of hematopoiesis and to propose new treatment strategies.

We want to shed more light on the role of EXN *i)* in normal hematopoiesis, *ii)* during pharmacological mobilization of HSPCs and finally *iii)* in the homing/engraftment of HSPCs into bone marrow niches. Our results may lead to development of better stem cells expansion, mobilization and HSPCs engraftment protocols in the future. These major exciting goals of our project will be achieved by execution of research proposal driven by specialists with the complementary areas of expertise. Knowledge gained in this proposal will be also relevant to other areas of medicine including cardiology, pulmonology and neurology.

We are looking for a highly motivated person to participate as a post-doctoral fellow within scientific project at the Warsaw Medical University at the Department of Regenerative Medicine

Supervisors: Mariusz Ratajczak, MD, PhD,
Type of employment relationship: Contact of mandate

Employing entity: Warsaw Medical University
Application deadline: March 1st, 2020
Expected start date: April 2020
Duration: 25-month position
Salary: 10 000 PLN (tax included)

Eligibility:
A suitable applicant should have the following qualifications:

1. PhD degree in Biology or Biotechnology
2. Basic previous experience in the following cellular biology techniques: flow cytometry and cell sorting
3. Academic background in cell biology, molecular biology, and/or genetics.
4. Scientific research experience (full-text international publications, full-text articles published in Polish journals, international abstracts, active participation in (inter)national meetings, and scientific courses)
5. Ability to work independently
6. The candidate is required to have knowledge of stem cell biology
7. Good knowledge of English
8. Strong interest in science

How to apply:
Please send:

1. Letter of interest
2. CV
3. Publication list
4. Photo
5. Contact details of 1-2 potential referees

to: ***mzrata01@louisville.edu*.**
mariusz.ratajczak@wum.edu.pl
medycyna.regeneracyjna@wum.edu.pl

All documents should be sent as PDF files.
The e-mail heading should be: „**Post-doc – OPUS grant".**

Please provide also the statement that you grant us a permission to process your personal details for the recruitment process:
"I hereby give consent for my personal data included in the job offer to be processed for the purposes of recruitment conducted by the Medical University of Warsaw located in Warsaw".

The rules for the protection of personal data used by the Medical University of Warsaw:

1. The administrator of personal data is the Medical University of Warsaw located in Warsaw, Żwirki i Wigury 61, 02-091 Warszawa,
2. Contact to the Data Protection Officer - email address: iod@wum.edu.pl.

3. Personal data will be processed in order to implement the recruitment process pursuant to art. 22^1 of the Labor Code, and in the case of providing a broader scope of data pursuant to art. 6 § 1a GDPR - consent expressed by the candidate.
4. Access to personal data within the University's organizational structure shall only have employees authorized by the Administrator in the necessary scope.
5. Personal data will not be disclosed to other entities, except for entities authorized by law.
6. Personal data will be stored for the period necessary to carry out the recruitment process, up to 12 months from the settlement of the recruitment process. After this period, they will be removed.
7. You have the right to access your data, the right to rectify, delete, limit processing, the right to transfer data, the right to object to the processing, the right to withdraw consent.
8. You have the right to withdraw consent to the processing of your personal data at any time, which will not affect the lawfulness of the processing that was carried out on the basis of consent before its withdrawal.
9. You have the right to lodge a complaint with the Office for Personal Data Protection when it is justified that his personal data are processed by the Administrator in breach of the general regulation on the protection of personal data of April 27, 2016.
10. Providing personal data is voluntary, but necessary to participate in the recruitment process to the extent specified in art. 22^1 § 1 of the Labor Code, voluntary in the remaining scope.
11. Decisions will not be taken in an automated manner and personal data will not be subject to profiling.

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