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**Postdoctoral position in the field of cancer immunology**

The Medical University of Warsaw, Department of Biochemistry**,** is seeking a highly motivated postdoctoral fellow to further develop a research project, funded by the National Science Centre (Poland) opus20, related to the modulation of anti-tumor immune response by cancer cells. This position requires experience in cell genetic modification, in vitro and in vivo analysis of immune cell functions, flow cytometry and animal studies, in addition to a broad understanding of cancer immunology and the different immunotherapeutic strategies currently in preclinical development.

**RESPONSIBILITIES**

• Planning and execution of experiments and procedures (including genetic modifications of cells, cell characterization with flow cytometry, cancer target validation and in vivo studies)

* Design and perform multicolor flow cytometry studies, analyze data and interpret flow results
* Design and execution of in vivo experiments to validate new therapeutic targets and enhance the anti-tumor immune response.
* Write, review, and implement operating protocols and correctly collect research data, maintain the lab notebook and write manuscript.
* Support the PI with the supervision of all experiments and co-ordination of the lab- work.
* Routine literature search and keeping up to date with the latest trends in immune- oncology and next generation drugs to anticipate future project needs and directions.

**Qualification requirements**

* Ph.D. degree, preferably in cancer biology and immunology, obtained within the last 7 years before hiring date.
* Capability of meeting the requirements stipulated in the document “Załącznik do uchwały Rady NCN nr 95/2020 z dnia 14 września 2020 r. w sprawie zmiany Regulaminu przyznawania środków na realizację zadań finansowanych przez Narodowe Centrum Nauki w zakresie projektów badawczych. REGULAMIN PRZYZNAWANIA ŚRODKÓW NA REALIZACJĘ ZADAŃ FINANSOWANYCH PRZEZ NARODOWE CENTRUM NAUKI W ZAKRESIE PROJEKTÓW BADAWCZYCH”.
* Must have a good understanding of basic scientific principles and research practices in the field of cancer biology and immunology.
* Experience in the following, preferably demonstrated by track record of publications:
* in-vitro molecular biology techniques, preferably genetic modifications (e.g., CRISPR, RNA interference), PCR, molecular cloning, primer design, plasmid isolation and analysis, bacterial transformation and screening, extraction of genomic DNA, DNA sequencing and analysis)
* Extensive hands-on experience in running multi-color flow cytometry, familiar with flow analysis software such as FlowJo.
* Designing and performing robust in vitro cell based assays that incorporate functional readouts, including activation, proliferation, cytotoxicity, ADCC/CDC, MLR, cytokine production
* Immune cell isolation from whole blood, (tissues or tumor dissociation is highly valuable) and experience with primary cell culture techniques.
* Have strong attention to details and ability to work independently.
* Must be well organized, diligent in data collection, documentation of study results and maintaining lab notebook.
* Ability to analyze and interpret work published in the field, and use it to place the lab-work in context.
* Excellent oral and written communication skills.
* Flexible in being hands-on in the lab when required.

**Required documents and declaration (in English):**

Application should be sent to **[azerrouqi@wum.edu.pl](mailto:azerrouqi@wum.edu.pl)** and should include the following documents:

* Cover letter (including research interest and justification of application for the position)
* CV (including research activities, stays, and contact information)
* Contact info of two references. A Reference letter from a supervisor or a senior researcher will be requested following the selection phase.
* Copy of PhD diploma
* Declaration about authorization for personal data processing:

“I hereby authorize you to process my personal data included in my job application for the needs of the recruitment process (in accordance with the Personal Data Protection Act, Journal of Laws of 2002, no 101, item 926 as amended)”

**Conditions of employment**

The position remains open until filled. Ideal staring date February 1st, 2022.

Qualified candidates will be invited for interview.

Salary commensurate with the candidate experience.

The position is offered for 24 months with an initial probation period of 6 months.

**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](mailto:iod@wum.edu.pl).

3. Personal data will be processed in order to implement the recruitment process pursuant to art. 221 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. 221 § 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.