**POST-DOCTORAL RESEARCH POSITION OFFER**

**Project NCN SONATA BIS 8 UMO-2018/30/E/NZ5/00711
entitled "Modified tumor-derived exosomes as carriers of molecules modulating the tumor microenvironment"**

Research conducted at: Institute of Immunology and Experimental Therapy, Polish Academy of Sciences in Wrocław

Project participation period: 6 months (from 25.10.2024)

Type of project participation: post-doc (employment contract)

Project salary: 10,000 PLN/month gross

**Requirements:**

* PhD in biological sciences or a related field (in this case, experience in biological/medical sciences is required), obtained no more than 7 years before starting work on the project;
* Knowledge of tumor immunology, molecular biology, and immunology;
* Experience in laboratory work related to cell culture, performing functional assays on eukaryotic cells, flow cytometry analysis, ELISA, western blot, and molecular biology analyses;
* Fluency in English;
* Ability to work in a team, high motivation for independent work, and responsibility for assigned tasks.

**Additional advantages:**

* First authorship/corresponding author role in published articles
* Significant contribution to the implementation of scientific projects
* Experience in obtaining research grants and implementing them as a principal investigator or main contributor

**Description of tasks in the project:**

The aim of the research is to determine the antitumor activity of exosomes secreted by genetically modified cancer cells that overproduce molecules with immunostimulatory activity. Selected nanocarriers, which demonstrate the ability to induce an antitumor response in in vitro tests, will be used as an adjuvant in an immunotherapeutic protocol involving dendritic cells. Therefore, the tasks to be carried out by the post-doc can be summarized as follows:

* Isolation and characterization of exosomes (chromatography, ELISA, WB, RT-PCR)
* Characterization of the immunomodulatory and angiogenic activity of exosomes (3D cultures, functional assays using immune system cells – flow cytometry, confocal microscopy, etc.)
* Data analysis and participation in manuscript preparation for publications.

**The application should include:**

* Cover letter
* CV
* Description of scientific experience
* List of scientific achievements (publications, conference presentations, participation in research projects, patents, etc.)
* Copy of the PhD diploma (or a statement on the planned date of defense, with the condition that employment in the project requires having a PhD on the date of signing the employment contract)
* Letters of recommendation or contact information of persons who can provide such letters

Applications containing all required documents should be submitted by October 20, 2024, via email to the project leader, Dr. hab. Joanna Rossowska: joanna.rossowska@hirszfeld.pl (subject: PostDoc Sonata Bis 8). The post-doc will be selected through a competition, in accordance with the "Regulations for awarding funds for the implementation of tasks financed by the National Science Centre in the field of research projects, specified by the NCN Council Resolution No. 48/2018 of June 7, 2018." Selected candidates will be invited for an interview (in person or online).

The competition results will be announced by October 24, 2024. The project work is planned to start on October 25, 2024. The committee reserves the right not to select any candidate in the competition. In such a case, the competition will be announced again.

1. In connection with the announcement regarding the implementation of the NCN UMO-2018/30/E/NZ5/00711 project for the purpose of concluding an employment contract, the Contracting Authority: INSTITUTE OF IMMUNOLOGY AND EXPERIMENTAL THERAPY, POLISH ACADEMY OF SCIENCES IN WROCŁAW, Ul. R. Weigla 12, 53-114 Wrocław informs that, in accordance with the Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27, 2016, on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation) (hereinafter referred to as GDPR), it is the Data Controller.
2. Personal data will be processed based on:Article 6(1)(b), (c), and (e) of GDPR for purposes related to the conclusion of an employment contract concerning the implementation of the NCN UMO-2018/30/E/NZ5/00711 project, its security, service, and potential claims arising from or defending against such claims.
3. The personal data of the other party may be transferred to entities processing personal data, including but not limited to, entities that manage IT systems used for the purposes of contract execution, provide archiving and legal services, provided that such entities process the data under a relevant data processing agreement and only in accordance with its instructions. The data may also be made available to entities authorized by law, including tax administration authorities.
4. The data of individuals who submit an offer will be processed for the duration of the announcement and will be destroyed after its conclusion.
5. The data of the individual with whom the employment contract is signed in the project will be processed for the duration of the contract, and after its conclusion, for the time related to the expiration of claims arising from the contract, as well as for the period specified by tax regulations and financial reporting requirements.
6. Providing personal data is voluntary but necessary for the conclusion of the contract and for the Contracting Authority to fulfill its obligations as a payer. The consequence of refusing to provide personal data will be the inability to conclude the contract.
7. The contractor has the right to access their data, as well as the right to rectify, delete, restrict processing, and object if there are no longer legal grounds for processing their personal data.
8. Every individual also has the right to lodge a complaint with the President of the Personal Data Protection Office.
9. Personal data will not be profiled and will not be used for automated decision-making.
10. In matters concerning the processing of personal data, individuals whose data is being processed may contact the Data Protection Officer appointed by the Data Controller by writing to the email address: iod@hirszfeld.pl or the address of the headquarters indicated in point 1.