**Mossakowski Medical Research Institute, Polish Academy of Sciences, Warsaw**

is seeking a candidate for a position of **Post-doctoral Research Assistant**

**or Post-doctoral Research Associate\***

*\** *dependent on candidate’s qualifications*

Recruitment is related to the project “The mechanisms of mitochondrial damage-dependent neuroinflammation in experimental models of Parkinson’s disease. The role of Parkin dysfunction” OPUS LAP no. 2020/39/I/NZ4/01031 funded by National Science Centre, Poland, carried out in the **Department of Cellular Signaling** **MMRI PAS.**

* Scientific discipline: medical sciences
* Announcement date: 28th January 2022
* Application deadline: **28th** **February** **2022**
* Link to the website: [www.imdik.pan.pl](http://www.imdik.pan.pl)
* Keywords: post-doc, Parkinson’s disease, neurodegeneration, α-synuclein, parkin, mitochondria damage, neuroinflammation.

**The area of the research in which the candidate would participate:**

Parkin and alpha-synuclein (α-syn) are two key proteins involved in the pathophysiology of Parkinson's disease (PD). This project will characterize the mechanisms by which α-syn–induced parkin dysfunction modulates mitochondrial damage and associated immune response in a pre-clinical murine model of PD based on bilateral injection of oligomeric α-syn into the striatum of C57BL/6J, parkin knock-out (Park2-/-) and parkin overexpressing (PARK2oe) mice. We are seeking a postdoctoral researcher for the project aimed to investigate parkin’s involvement in α-syn–evoked mitochondrial damage, inflammatory response, and neurodegeneration in our murine PD models. Candidate will be involved in investigation of:

1. the time-dependent impact of α-synuclein administration on inflammatory responses and parkin function;
2. the role of parkin in regulating the brain inflammatory response and neurodegeneration after intrastriatal administration of α-synuclein;
3. the effect of parkin overexpression in neuroanatomical and morphological changes evoked by α-synuclein;
4. the effects of pharmacological modulation of mitoflammation on neurodegeneration and behavioral disturbances caused by α-synuclein administration;

Addressing the role of parkin at the crossroads of α-syn spreading and neuroinflammation holds the promise for better understanding of PD pathomechanism and identification of novel therapeutic targets.

**Description of duties:**

* planning and implementation of research tasks in accordance with the schedule of the project,
* designing and conducting experiments with the use of biochemistry, molecular biology and microscopic imaging methods,
* analysis of obtained data,
* presenting the results at the group meetings, external seminars and scientific conferences,
* preparation of scientific publications,
* introducing new research technologies and cooperation with a foreign partner involved in the current research project.

**Necessary Requirements:**

* PhD degree in biological sciences, neurosciences, pharmacological sciences, medical sciences or relevant,
* documented scientific achievements including publications in journals from JCR list,
* participation in scientific conferences and internships,
* experience in laboratory techniques in biochemistry, molecular biology (e.g. DNA, RNA, isolation; Western blot; qPCR; immunohistochemistry; spectrophotometric/fluorometric techniques),
* experience in planning and conducting *in vivo* procedures (e.g. behavioral analysis),
* working knowledge of statistical software (e.g. GraphPad Prism),
* ability to work in a team and independently,
* excellent knowledge of English, allowing effective communication and preparation of scientific manuscripts,
* indication of Mossakowski Medical Research Institute Polish Academy of Sciences as a first place of employment.

**Desirable Requirements:**

* experience in work with animal models of neurodegenerative diseases,
* experience in substantive care for students and junior scientists.

**We offer:**

* fixed term, full-time employment contract,
* contract period: 21st March 2022 – 21st December 2024,
* gross salary: around 7800 PLN / month,
* the opportunity to work in a pleased atmosphere, in a dynamic, developmental research group,
* scientific collaboration with a research partner in Germany and with other Polish and foreign research institutions,
* opportunity to participate and present obtained results at international conferences.

**How to Apply:**

Please send your documents to [aadamczyk@imdik.pan.pl](mailto:aadamczyk@imdik.pan.pl) indicating the reference number **ZKTS-111-1/2022** in your correspondence.

**Required documents:**

* motivation letter with description of candidate’s scientific interests, scientific work, scientific independency, participation in research grants,
* CV listing candidate’s education, professional experience, scientific achievements, authored or co-authored publications and conference abstracts, internships and training,
* copy of the PhD (or equivalent) diploma,
* references (optionally).

*\* Depending on candidate’s qualifications, Recruitment Committee may recommend hiring a successful candidate as a Research Assistant or Research Associate.*

For more information about the project, please contact prof. dr hab. Agata Adamczyk ([aadamczyk@imdik.pan.pl](mailto:aadamczyk@imdik.pan.pl))

Expected date of the interview: 5th March 2022

Expected decision date: 12th March 2022

Expected job starting date: 21st March 2022

**INFORMATION CLAUSE ON PERSONAL DATA PROCESSING**

Pursuant to Article 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 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), Mossakowski Medical Research Institute, Polish Academy of Sciences hereby informs:

1. The Controller of your personal data is the Mossakowski Medical Research Institute, Polish Academy of Sciences, A. Pawińskiego 5 St., 02-106 Warsaw, Poland (“MMRI PAS”)
2. The Controller has designated the Data Protection Officer who can be contacted via the following e-mail address: [daneosobowe@imdik.pan.pl](mailto:daneosobowe@imdik.pan.pl) or the post address of Controller.
3. Your personal data will be processed for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the MMRI PAS.
4. MMRI PAS processes Your personal data in relation to a legal obligation (the Article 6.1.c of the GDPR) pursuant to Article 221 § 1 of the Act of 26 June 1974 Labour Code or Your consent understood by sending them to MMRI PAS (the Article 6.1.a of the GDPR) for data not listed on Labour Code, and their application does not affect the possibility of participating in the recruitment / competition. If you do not want us to process additional data, please do not include it in the documents.
5. By submitting your candidacy, you consent to the fact that if you win the recruitment / competition, your name and surname together with information about the recommendation for employment will be posted on the MMRI PAS website.
6. Your application with personal data will be processed for period necessary for realization of purposes indicated in p. 3 - for a maximum of one month and then your application with personal data will be deleted.
7. With regard to processing of Your personal data for purposes mentioned in p. 3, Your personal data might by shared with following recipients or categories of recipients: entities supporting MMRI PAS in its business processes, in particular administrative and economic service and authorized entities.
8. Within the limits and on the terms set out in the GDPR, you have the right to request access to your personal data, rectification, deletion or limitation of processing, as well as the right to submit a declaration of withdrawal of consent to the processing of personal data at any time. Withdrawal of consent does not affect the lawfulness of the processing which was carried out on the basis of consent before its withdrawal, as well as the processing of data processed by the administrator on the basis of other provisions.
9. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data (ul. Stawki 2, 00-193 Warszawa).