**FORM FOR ANNOUNCERS**

**INSTITUTION:** Maj Institute of Pharmacology Polish Academy of Sciences

**CITY:** Kraków

**POSITION: Assistant (post-doc)** **– Dept. of Addiction Pharmacology, Team I,  
 Maj Institute of Pharmacology Polish Academy of Sciences**

**SCIENTIFIC DISCIPLINE:** Medical Sciences – Medical Biology **ANNOUNCEMENT DATE:** September2, 2025

**APPLICATION DEADLINE:** September26, 2025

**COMPETITION SETTLEMENT:** October10, 2025

**LINK:** <http://www>[-if-pan.krakow.pl/](http://www-if-pan.krakow.pl/)

**KEYWORDS:** neurodevelopment, developmental toxicity, animal models, behavioral tests, molecular biology, neurotoxicity, neurobiology.

The objective of this competition is to select a candidate for the position of **assistant (Postdoctoral Researcher)** to conduct scientific research within the framework of the National Science Centre project OPUS 26, no. 2023/51/B/NZ7/02360, entitled “*Semaglutide and neurodevelopment: investigating risks arising from prenatal exposure to a widely popular drug for diabetes and obesity.”*

**Research Topic Description:**

Semaglutide, a drug used in the treatment of type 2 diabetes and obesity, has gained global popularity, particularly among women of reproductive age, raising concerns about its potential impact on fetal development. The planned research aims to investigate the effects of semaglutide on neurodevelopmental processes using in vivo models. It is hypothesized that exposure to this compound during the first trimester of pregnancy may affect the development of the offspring’s nervous system by modulating synaptic plasticity, neuronal connectivity, and cognitive functions through mechanisms associated with GLP-1R receptor signaling pathways. The project foresees comprehensive biochemical, molecular, and behavioral analyses to provide an in-depth assessment of the potential neurotoxic effects of semaglutide.

**The candidate for the position of assistant (Postdoctoral Researcher) should meet the following requirements:**

1. A doctoral degree in biological, pharmaceutical, medical, veterinary sciences or related fields, obtained at an institution other than the Institute of Pharmacology PAS, not earlier than 7 years before the year of employment in the project, or completion of at least a 10-month, continuous, and documented postdoctoral fellowship abroad. The 7-year period may be extended by the documented time spent on long-term (over 90 days) medical leave or rehabilitation benefits due to incapacity for work. In addition, this period may be extended by the number of months of parental or childcare leave granted under the provisions of the Polish Labour Code, and for women, by 18 months for each child born or adopted, if this method of accounting for career breaks is more advantageous.
2. The project’s Principal Investigator must not have been the candidate’s doctoral supervisor or assistant supervisor.
3. During the period of employment in the project, the candidate may not receive any other salary funded from direct costs of research projects financed by the National Science Centre (NCN).
4. During the period of employment in the project, the candidate may not be employed under an employment contract by another employer, including employers based outside of Poland.
5. Proficiency in performing basic *in vivo* procedures, including subcutaneous and intraperitoneal injections, as well as tissue and organ collection for further analyses.
6. Experience in conducting behavioral tests on animal models (e.g., cognitive, anxiety, depression-like, locomotor, and coordination tests), with knowledge of their design, execution, and interpretation.
7. Practical knowledge of methods such as gene expression analysis (qPCR), immunoenzymatic assays (ELISA), RNA/DNA/protein isolation, electrophoresis, and western blotting.
8. Experience in implementing research projects, independently analyzing and interpreting results, preparing manuscripts, and presenting and discussing findings in public.
9. Knowledge of statistical analysis of experimental data. Proficiency in the use of statistical and graphical software such as Statistica, GraphPad Prism, ImageJ, or equivalent, and the ability to select appropriate statistical tests for different data types and interpret the results.
10. Completed training required for persons planning and conducting procedures and euthanizing animals used for scientific or educational purposes, in accordance with the provisions of the Polish Act on the Protection of Animals Used for Scientific or Educational Purposes (Journal of Laws of 2023, item 465).
11. Advanced command of the English language, both spoken and written.
12. Exemplary ethical conduct.

**Additional assets will include:**

1. Knowledge of programming languages R and/or Python for the purpose of biological, bioinformatic, and statistical data analysis, including the use of libraries dedicated to genomic data analysis.
2. Knowledge of the Polish language.

**Scope of Duties:**

1. Conducting in vivo experiments using animal models to assess the effects of semaglutide on central nervous system development;
2. Performing subcutaneous and intraperitoneal injections, as well as collecting tissues and organs for further analyses;
3. Carrying out behavioral tests in rodents (e.g., cognitive, anxiety-like, depressive-like, locomotor, and coordination tests);
4. Performing molecular and biochemical analyses;
5. Analyzing and interpreting experimental data, including selection of appropriate statistical tests and data visualization;
6. Preparing research reports, scientific manuscripts, and conference presentations;
7. Maintaining laboratory documentation in accordance with applicable standards and ensuring compliance with ethical regulations concerning animal experimentation;
8. Strict adherence to the Code of Ethics for PAS employees;
9. Compliance with internal regulations and official directives in force at the IP PAS.

**Employment Conditions:**

Employment within the project will be offered under a full-time employment contract for a period of up to 48 months. The salary will be in accordance with the NCN OPUS 26 regulations, i.e. approximately PLN 11,500 gross gross per month (PLN 140,000 gross gross per year). The planned starting date of employment is October 2025.

**Required Documents:**

1. Application for employment for the above-mentioned position, including a cover letter with a description of scientific interests;
2. Candidate information form in accordance with Appendix No. 1 to the Application Form;
3. Personal questionnaire for employment in accordance with Appendix No. 2 to the Application Form;
4. Copy of the doctoral diploma or certificate confirming the award of the doctoral degree;
5. Short self-report (autobiographical statement of research achievements);
6. Copy of the certificate of completion of training for persons planning and conducting procedures and euthanizing animals, in accordance with the provisions of the Polish Act on the Protection of Animals Used for Scientific or Educational Purposes (Journal of Laws of 2023, item 465);
7. Contact details of referees who have agreed to provide information about the candidate;
8. Certificate of English language proficiency, if available;
9. Statement on the primary place of employment and the affiliation of conducted research and publications, in accordance with Appendix No. 3 to the Application Form;
10. Information on the processing of personal data, in accordance with Appendix No. 4 to the Application Form;
11. Statement on exemplary ethical conduct, in accordance with Appendix No. 5 to the Application Form.

Applications, together with the required documentation, should be **submitted electronically** to the following e-mail address: [ifpan@if-pan.krakow.pl](mailto:ifpan@if-pan.krakow.pl) by September 26, 2025.

The subject line of the message should indicate the competition to which the application refers, i.e.: **“Competition – Assistant (Post-doc) - Department of Drug Addiction Pharmacology, Team 1, OPUS 26 grant.”**

The successful candidate will be selected from among those who meet the formal requirements, based on an evaluation of submitted documents and, if necessary, an interview.

Please note that only shortlisted candidates will be contacted. Submitted documents will not be returned. The Institute reserves the right to cancel the competition without providing a reason.

**Announcement of the competition:** September 2, 2025

**Application deadline:** September 26, 2025

**Competition settlement:** October 10, 2025

**Appendix 1**

**RESEARCH BACKGROUND FORM FOR CANDITATES APPLYING   
FOR THE POSITION OF ADJUCT RESEARCHER / ASSISTANT**

**I. Personal data:**

1. First and last name:  
2. Date of birth:  
3. Course of scientific and professional career:

|  |  |  |  |
| --- | --- | --- | --- |
| **Academic degree / scientific title** | **Year** | **University / Unit** | **Faculty** |
| Master |  |  |  |
| PhD |  |  |  |
| Habilitat |  |  |  |
| **Position** | **From… to…** | **Place of work** | **Unit** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

4. Research topics (up to 30 words):

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**II. Scientific achievements:**

|  |  |  |
| --- | --- | --- |
| **No.** |  | **Number** |
| **1** | Articles in scientific journals listed in the Journal Citation Reports (JCR) database |  |
| **2** | Articles in scientific journals NOT listed in the Journal Citation Reports (JCR) database |  |
| **3** | Books, monographs and book chapters |  |
| **4** | Invited oral presentations at international conferences |  |
| **5** | Invited oral presentations at scientific conferences other than those mentioned under 4 |  |
| **6** | Reviewer of projects and / or scientific manuscripts | **YES / NO** |
| **7** | Supervision of bachelor's, engineer's and master's theses |  |
| **8** | Short-term research stays abroad (up to  3 months) |  |
| **9** | Long-term research stay abroad (over 3 months) |  |
| **10** | Principal investigator in research projects (NCN grants, NCBiR grants and other). Contractor in research projects (NCN grants, NCBiR and other) |  |
| **11** | Practical applications and patents |  |
| **12** | Number of citations without self-citations   according to the database...................... |  |

**2. The three most important publications in the entire scientific output**

* ……………..
* ……………..
* ……………..

**3. Participation in research projects** (up to 5). Please specify the title of the grant / project, the type and duration of the grant / project, role and source of funding.

**III. Popularization and organizational activity**

1. Monograph lectures
2. Outreach activities (up to 5):
3. Organization of conferences, seminars, scientific meetings - roles in the Committees   
   (up to 5)

**IV. Awards and distinctions for scientific activity.**

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**Applicant’s signature**

**Appendix 2**

**PERSONAL DATA FORM FOR APPLICANTS**

1. Name (names) and surname

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2. Date of birth

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1. Contact details

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(provided by the applicant)

4. Education (if it is required to perform a specific type of work or on a given position)

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(university name and graduation year)

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(profession, specialisation, academic degree, professional title, academic title)

1. Professional qualifications (if they are required to perform a specific type of work or on a given position)

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(courses, postgraduate studies or other forms of advancing knowledge or skills)

6. Employment history (if it is required to perform a specific type of work or on a given

position)

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(employment periods, successive employers and positions taken)

7. Additional personal data, given that the right or duty to provide them is required under specific regulations

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Place and date Applicant’s signature

**Appendix 3**

**Statement**

I, the undersigned ………………………………………………………… (name and surname) hereby declare that in case of being a successful candidate in an open competition, the Maj Institute of Pharmacology of the Polish Academy of Sciences (IP PAS) shall be my primary place of employment.

I also declare that I agree to the affiliation of research and publications to the IP PAS as part of the employment relationship.

…………………………………………………………………   
 *Place, date, legible signature*

**Appendix 4**

**INFORMATION CLAUSE ON PERSONAL DATA PROCESSING**

*Pursuant to Article 13 and 14 of the* *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 the free movement of such data and repeal of Directive 95/46/EC (“General Data Protection Regulation”), hereinafter referred to as the "Regulation", the Maj Institute of Pharmacology notifies that:*

1. The Maj Institute of Pharmacology of the Polish Academy of Sciences, 12 Smętna Street, 31-343 Kraków, represented by the Director of the Institute, shall be the   
   Administrator of your personal data.
2. The Maj Institute of Pharmacology of the Polish Academy of Sciences is appointed the Data Protection Officer, e-mail: [iod@if-pan.krakow.pl](mailto:iod@if-pan.krakow.pl), phone: 501 979 962.
3. Your personal data in the scope indicated in the provisions of the labor law (including, inter alia, in the scope resulting from Article 221 § 1 of the Labor Code) will be processed pursuant to Article 6 paragraph 1 point c (processing is necessary to fulfill the legal obligation incumbent on the administrator) and Article 6 paragraph 1 point b of the GDPR (processing is necessary to take steps at the request of the data subject before concluding the contract), and in the remaining scope pursuant to Article 6 paragraph 1 point a of the GDPR (consent of the data subject).
4. Your personal data will be processed in order to carry out the recruitment   
   procedure.
5. Proving personal data is voluntary, but necessary for participating in the recruitment procedure. Failure to provide personal data shall result in inability to take part in the recruitment, and in case of being a successful candidate providing personal data is a prerequisite for entering into the above-mentioned contract.
6. In case of concluding the above-mentioned contract, your personal data shall be processed pursuant to the Act of 26 June 1974 – Labour Code (Journal Of Laws of 2020, item 1320; of 2021, item 1162) in order to perform an employment contract and on the basis of your consent in the recruitment process.
7. Your personal data shall not be transferred to third countries.
8. The recipients of your personal data shall be entities authorized to receive them on the basis of legal provisions, including ZUS (The Social Insurance Institution), the relevant tax office, NFZ (The National Health Fund).
9. Your personal data shall be stored for the period: until the recruitment process has been completed, and in case of concluding an employment contract for 10 years of the date of its expiry for archiving purposes.
10. You have the right to: access your personal data and rectify them, as well as the right to delete, limit processing, transfer and object to processing of personal data – in cases and on grounds set forth in the General Data Protection Regulation.
11. You have the right to withdraw your consent at any time, without affecting the lawfulness of processing based on consent before its withdrawal. The withdrawal of consent shall be sent:
    1. by e-mail to the following address: [kadry@if-pan.krakow.pl](mailto:kadry@if-pan.krakow.pl),
    2. by traditional mail to the following address: Instytut Farmakologii im. Jerzego Maja Polskiej Akademii Nauk, ul. Smętna 12, 31-343 Kraków,
    3. or the consent can be withdrawn in person by appearing in the Human   
       Resource Unit of the Maj Institute of Pharmacology of the Polish Academy of Sciences.
12. You have the right to lodge a complaint to the President of the Personal Data Protection Office if you consider that the processing of data relating to you infringes the General Data Protection Regulation.

I acknowledge that I have read, understand and accept the above information.

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*Place, date, legible signature*

**CONSENT FOR PERSONAL DATA PROCESSING**

I consent to the processing of my personal data contained in my job offer (beyond the scope of statutory obligations) for the purposes of the recruitment process, in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 and the Act of 10 May 2018 on the protection of personal data (Journal Of Laws of 2019, item 1781) and in accordance with the information clause attached to my consent.

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*Place, date, legible signature*

**Appendix 5**

**Statement**

I declare that no disciplinary proceedings are pending (nor were pending) against me for violation of the principles of academic integrity and that I am not listed in the Krajowy Rejestr Karny (National Criminal Register).

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*Place, date, legible signature*