

## FORM FOR EMPLOYERS

INSTITUTION: Institute of Human Genetics PAS

CITY: Poznań

POSITION: : Assistant

DISCIPLINE: Medical sciences

POSTED: April 19, 2023

EXPIRES: May 19, 2023

WEBSITE: <http://bip.igcz.poznan.pl/konkurs/>

KEY WORDS: classic Hodgkin lymphoma, CRISPR/Cas9 genome editing, microRNA, DNA methylation, epigenetics.

DESCRIPTION (field, expectations, comments):

The Director of the Institute of Human Genetics, Polish Academy of Sciences in Poznan (IHG PAS) announces an open competition for the position of an assistant at the Department of Cancer Genetics of the IHG PAS

The competition is open to persons who meet the conditions set out in the Act of 30 April 2010 on the Polish Academy of Sciences (Journal of Laws of 2016, item 572, as amended) and the Regulations for conducting competitions for scientific positions at the Institute of Human Genetics, Polish Academy of Sciences in Poznan.

A concise description of the scientific research:

The main focus of our department is on researching (epi)genetic alterations in the course of human neoplasms. The candidate will be mainly involved in current research projects aimed at deciphering the biological function of selected genes and miRNAs in the pathogenesis of classic Hodgkin's lymphoma (cHL). Within these projects, CRISPR-dCas9-TET genome editing will be applied to selectively remove epigenetic marks from lymphoma related candidate genes and re-express them in cHL cell lines. After

transcriptional reactivation, functional analyses will be performed to show any changes in cell viability and morphology. Advanced cell imaging techniques will be used in the newly established imaging lab of the Institute.

The candidate will have the possibility to work under the supervision of an experienced PI (prof. Maciej Giefing) in international collaboration with world-leading partners in lymphoma research. Extensive support will be offered to the candidate for international mobility, grant writing and reaching further career-steps.

#### Requirements for candidates

1. PhD degree in the field of medical sciences.
2. Knowledge and skills in the field of genetics and epigenetics of human neoplasms, molecular biology techniques (including PCR, RT-qPCR, Sanger sequencing, Western Blot, flow cytometry), good practical knowledge of genetic engineering techniques (CRISPR-Cas, cloning, vector designing) and cell culture (including cell transfection and transduction, functional analyzes designing and performing) and analyzes of biological data are required.
3. Research track supported by publications in international scientific journals in the discipline of medical sciences preferably in the field of cancer genetics.
4. Experience in writing grant or other types of applications for funding.
5. International internships/trainings and documented international cooperation.
6. Fluent knowledge of English in speech and writing.
7. The ability to publicly present the results of scientific research in Polish and English.
8. Independence, high motivation for work in science, problem solving.
9. Ability to teamwork.
10. Organizational achievements.
11. Taking up work at the Institute of Human Genetics, Polish Academy of Sciences as the primary place of employment.
12. The candidate will be invited for an interview.

A list of documents that the candidate should attach to the competition application:

1. Application for employment, along with the address for correspondence and contact details (e-mail address and telephone number).
2. Scan or photocopy of the university diploma.
3. Scan or photocopy of the award of the degree (if applicable).

4. Scan or photocopy of the diploma of obtaining a scientific title (if applicable).
5. CV.
6. A list of publications with the indication of a maximum of five most important works performed during the last 5 years of the candidate's scientific work (after deduction of breaks in scientific work), patent applications, patents, implementations, research projects (if applicable).
7. Information on the number of citations of publications without self-citations, the value of the Hirsch index and the number of years effectively worked in science (after deduction of breaks), (if applicable).
8. A list of research projects (including application and implementation projects) that the Candidate was leading or was the main contractor and 1-3 most important publications resulting from the implementation of this project, or other measurable results of the project (if applicable).
9. At least one opinion of an independent researcher (R3), specialist in the scope indicated in the Competition Announcement.
10. No more than 3,500 printed characters (one A4 page) - summary of scientific interests, previous achievements, potential participation in research projects and research projects.
11. Consent to the processing of personal data of the Candidate for the purposes of the Competition,  
(available at: [http://bip.igcz.poznan.pl/wp-content/uploads/2018/10/Zgoda-rekrutacja-Consent\\_for\\_the\\_processing.pdf](http://bip.igcz.poznan.pl/wp-content/uploads/2018/10/Zgoda-rekrutacja-Consent_for_the_processing.pdf)).
12. Candidate's statement about getting acquainted with the Regulations for conducting competitions for scientific positions at the Institute of Human Genetics, Polish Academy of Sciences in Poznań.  
(available at: [http://bip.igcz.poznan.pl/wp-content/uploads/2018/10/Oswiadczenie\\_regulamin-Statement\\_Regulations.pdf](http://bip.igcz.poznan.pl/wp-content/uploads/2018/10/Oswiadczenie_regulamin-Statement_Regulations.pdf)).
13. Candidate's statement that, in case of winning the competition, the Institute of Human Genetics, Polish Academy of Sciences in Poznań will be the main place of employment.  
(available at: [http://bip.igcz.poznan.pl/wp-content/uploads/2018/10/Oswiadczenie\\_miejsce\\_pracy-Statement\\_place\\_of\\_work.pdf](http://bip.igcz.poznan.pl/wp-content/uploads/2018/10/Oswiadczenie_miejsce_pracy-Statement_place_of_work.pdf)).

#### Criteria for the evaluation of candidates

1. Creativity measured by the quality and number of scientific publications in which the candidate is the first author, corresponding author, or significant author, and patent applications / patents and / or implementations,
2. Mobility in scientific career (including academic internships, change of scientific profile, internships and work in industry),
3. Number of citations of the candidate's works, especially those in which the candidate is

- the first author, corresponding or significant author,
4. Creativity measured by the quality and number of research projects,
  5. Opinion of an independent researcher (R3),
  6. Experience in laboratory work,
  7. Expertise in medical biology, including cancer genetics
  8. Motivation to work in science,
  9. Good command of English,
  10. Any breaks in the scientific work and indicated achievements of the candidate converted into effective years of scientific work.

#### Announcement of results

Up to 30 days after the deadline of documents submission. Selected candidates will be invited for an interview. Each candidate will be individually informed of the results of the competition in relation to him/herself. Information on the winner of the competition will be published on the Institute's website. The incomplete applications will not be considered.

Department / Team in which the candidate would work: Department of Cancer Genetics of the IHG PAS.

Planned employment: from 01.06.2023

Number of vacancies: 1

Planned remuneration: 4 700 PLN gross per month

Address to which documents should be submitted: in person or via registered e-mail to Institute of Human Genetics PAS, ul. Strzeszyńska 32, 60-479 Poznań or by e-mail to: [katarzyna.kiwerska@igcz.poznan.pl](mailto:katarzyna.kiwerska@igcz.poznan.pl), with annotation: "Assistant DCG"

Additional information: prof. dr hab. n. med. Maciej Giefing [maciej.giefing@igcz.poznan.pl](mailto:maciej.giefing@igcz.poznan.pl)

Information on the possibility of appeal of a candidate who has been negatively evaluated by the competition committee:

Candidates who have been negatively evaluated by the Competition Commission have the right to appeal against the results of the assessment. The appeal is submitted to the Director of the Institute within 7 days from the date of receipt of negative feedback from the selection board. The decision of the Director of the Institute is final.