

ANNOUNCEMENT OF THE COMPETITION FOR A POSITION OF A PhD STUDENT – A SCHOLARSHIP HOLDER IN THE DEPARTMENT OF MOLECULAR PATHOLOGY

Director of the Institute of Human Genetics, Polish Academy of Sciences (IHG PAS) announces an open competition for the position of a PhD student- scholarship holder in the Department of Molecular Pathology.

I. General information

1. Institution announcing the competition: Institute of Human Genetics PAS
2. City: Poznań
3. Position: PhD student – scholarship holder
4. Discipline: medical biology
5. Number of vacancies: 1
6. Planned remuneration: scholarship: 4 500 PLN per month
7. Deadline for documents submission: 10.02.2019
8. 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: agnieszka.dzikiewicz-krawczyk@igcz.poznan.pl, with annotation: “PhD First Team”
9. Link: <http://igcz.poznan.pl/en/>
10. Keywords: B-cell non-Hodgkin lymphoma, enhancer, enhancer RNA, CRISPR/Cas9, IGH, BCR, oncogenes
11. Department in which the candidate would work: Department of Molecular Pathology
12. A concise description of the scientific research:
The project is carried out within the **First Team programme of the Foundation for Polish Science**, project leader is **dr Agnieszka Dzikiewicz-Krawczyk**

Project title: „ Functional dissection of IGH regulatory regions in B-cell non-Hodgkin lymphoma”

Characteristic feature of B-cell non-Hodgkin lymphoma are recurrent translocations juxtaposing an oncogene (e.g. MYC, BCL2) to the regulatory regions of immunoglobulin heavy chain (IGH) locus. Survival and proliferation of many B-cell lymphomas depends on the expression of the translocated oncogene and on signaling from B-cell receptor expressed from the other functional IGH allele. IGH regulatory elements have been studied in normal B-cell development, but their role in human cancer cells has not been defined. The goal of this project is to identify and characterize the functional elements in IGH regulatory regions and enhancer RNAs (eRNA) essential for B-cell lymphoma cell growth. We will use state of the art techniques such as RISPR/Cas9 screens, GRO-seq, chromatin immunoprecipitation. This project will be performed in collaboration with scientists from the Netherlands and the US.

Key project tasks:

1. Cloning of the CRISPR-IGH library targeting the IGH regulatory regions.
2. Performing screens with the CRISPR-IGH library in B-cell lymphoma cell lines and data analysis.
3. Functional follow-up experiments.
4. Supervising master students.
5. Writing scientific papers, presenting results on seminars and conferences.

The project 'Functional dissection of IGH regulatory regions in B-cell non-Hodgkin lymphoma' is carried out within the FIRST-TEAM programme of the Foundation for Polish Science co-financed by the European Union under the European Regional Development Fund.

II. Requirements for candidates

1. Master degree in molecular biology, biotechnology, genetics, medicine or related field.
2. Background in molecular biology.
3. Experience in RNA, DNA, cell culture and molecular biology techniques.
4. Very good written and oral communication skills in English.
5. Motivation and enthusiasm to work in science.
6. Good collaborative and team work skills.

III. Required documents

1. CV including research achievements.
2. Cover letter.
3. Copy of MSc diploma.
4. Minimum two recommendation letters from former supervisors/collaborators and their contact details.
5. Consent for the processing of Candidate's personal data for the purposes of the recruitment process ([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%20for%20the%20processing.pdf))

IV. Criteria for the evaluation of candidates

1. Research achievements (scientific papers, participation in scientific conferences, activity in student research groups, awards).
2. Experience in laboratory work.
3. Background in molecular biology, especially topics relevant for the project.
4. Opinion about the candidate stated in recommendation letters.
5. Motivation for work in science.
6. Communication skills in English.

V. Announcement of results

Up to 30 days after the deadline of documents submission. Selected candidates will be invited for an interview.

VI. Appeal procedure.

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

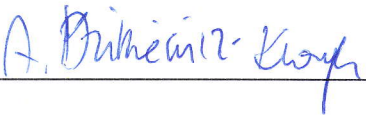
of negative feedback from the Competition Commission. The decision of the Director of the Institute is final.

VII. Additional conditions

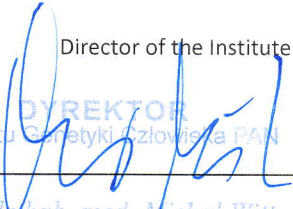
1. Period of involvement in research project: 01.03.2019-28.02.2022
2. The condition of involvement in the project is participation in the International Doctoral School at IGC PAN (after passing the recruitment procedure). Details of the studies are available on the website: <http://igcz.poznan.pl/en/scientific-activity/phd-studies/>.
3. The condition for financing a person selected in the competition is acceptance by the Foundation for Polish Science of the recruitment protocol.
4. The candidate admitted to the team on the basis of the scholarship may not at the same time receive a scholarship or remuneration in another project financed by the Foundation for Polish Science (except START programme).

VIII. Additional information: agnieszka.dzikiewicz-krawczyk@igcz.poznan.pl and Human Resources Unit, tel. 61 657 9222

Project Manager



Director of the Institute


DYREKTOR
Instytutu Geriatriki i Gerontologii PAN

Prof. dr hab. med. Michał Witt