

[3/JB/2019] Announcement about the recruitment to Poznań Doctoral School of the Institutes of the Polish Academy of Sciences (PDS IPAS) under the research project

Director of the Institute of Human Genetics, Polish Academy of Sciences (IHG PAS), and the leader of the research project, prof. Ewa Ziętkiewicz announce an open competition for the position of a **PhD student-scholarship holder of Poznan Doctoral school of Institutes of PAS**, in the Department of Molecular and Clinical Genetics IHG PAS
Number of vacancies: 1

I. General information

1. Department in which the candidate would work: Department of Molecular and Clinical Genetics, in Poznan
2. Discipline: medical science
3. Planned remuneration: scholarship of about **3 700 PLN net/per month** (=doctoral scholarship of about 2000 PLN net/ per month and scientific scholarship of about 1 700 PLN net/ per month)
4. Deadline for documents submission: **26.01.2020**;
5. The study is carried out within the **OPUS 16 project** (2018/31/B/NZ2/03248); **PI – prof. Ewa Ziętkiewicz**; project title: **„Unsolved issues in molecular basis of primary ciliary dyskinesia (PCD), a motile ciliopathy: identification of large genomic deletions and transcript isoforms”**.

A concise description of the scientific research:

The research concerns the molecular causes of a hereditary ciliopathy - primary ciliary dyskinesia. Project tasks will include: studying the importance of different isoforms of gene transcripts at subsequent stages of mobile cilia biogenesis and analyzing the incorrect assembly of exons in gene transcripts involved in PCD pathogenesis. **Methodology:** Transcriptome analysis by RNAseq (using RNA from respiratory epithelial cells from cell lines or primary cell cultures); targeted genome screening; imaging of cilia in the selected biological material; functional analysis of candidate genes in an animal model (RNAi in planaria). **Keywords:** motile cilia, ciliopathy, PCD, mutations, transcriptome, aberrant splicing, transcript isoforms, cilia biogenesis; RNAseq, air-liquid interface cultures, cilia imaging

Predicted tasks in the project:

- active participation in the realization of project goals.
- supervising master students.
- participation in writing scientific papers, presenting results during seminars and conferences.

Possibilities:

- work in the multidisciplinary research team;
- research training (courses);
- participation in conferences.

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. A copy of the diploma confirming the completion of master studies programme or a certificate of their completion (in case of diplomas issued by foreign institutions, the diploma referred to in article 326 para.2 point 2 or article 327 para. 2 of the Act of 20 July 2018 – Law on Higher Education and Science (Journal of Laws of 2018, item 1668 as amended), giving the right to apply for a doctoral degree in the country in which the University of higher education that has issued the diploma operates. If the candidate does not have the abovementioned documents, s/he is obliged to provide them before being admitted to Poznań Doctoral School IPAS. More information about foreign diplomas is available at:

<https://nawa.gov.pl/uznawalnosc/kontynuacja-nauki-w-polsce/studia-doktoranckie-i-otwieranie-przewodow-doktorskich>.

4. Contact details of at least one current supervisor or another researchers who has previously agreed to issue an opinion about the candidate.
5. Consent for the processing of Candidate's personal data for the purposes of the recruitment process
6. An Application for admission to the Poznań Doctoral School IPAS together with a consent to the processing of personal data for the purposes of the recruitment procedure and a statement on becoming acquainted with the recruitment regulations to Poznań Doctoral School
7. Certificates or other documents showing the level of English language proficiency, if the candidate has any.

IV. Criteria for the evaluation of candidates

1. candidate's scientific and professional experience based on participation in conferences, workshops, trainings and internships, participation in research and commercial projects, involvement in scientific societies and associations, international and professional mobility, experience in other sectors, including industry;
2. Background in molecular biology
3. Candidate's scientific achievements based on study grades, scientific and popular science publications, scholarships, prizes and awards resulting from conducting research or student activity or other achievements
4. Opinion about the candidate stated in recommendation letters.
5. 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. Additional conditions

1. Period of involvement in research project: **1.03.2020-31.12.2022**.
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>) and fulfillment of the requirements described in the Regulations for granting scholarships in research grants financed by National Research Center: https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2016/uchwala96_2016-zal1.pdf).

VII. Additional information

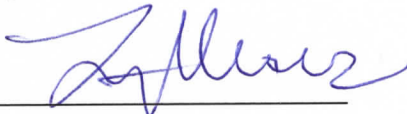
Address to which documents should be submitted: in person or via registered mail to Institute of Human Genetics PAS, ul. Strzeszyńska 32, 60-479 Poznań or by e-mail to: Scientific Secretary, phdstudies@igcz.poznan.pl,
additional informations: ewa.zietkiewicz@igcz.poznan.pl and Scientific Secretary: phdstudies@igcz.poznan.pl, tel. 61 657 9142

Incomplete applications and applications submitted after the deadline will not be considered.

Once the recruitment process is finished, unsuccessful candidates will be informed about weaknesses and strengths of their applications.

Refusal of admission to PDS IPAS takes place by way of an administrative decision. The candidate is entitled to submit a request for reconsideration of the decision to the director of the institute concerned.

Project Leader



Director of the Institute
Z-ca DYREKTORA
Instytutu Genetyki Człowieka PAN
ds. administracyjnych



mgr Małgorzata Strecker