



**Director of the Institute of Plant Genetics, Polish Academy of Sciences in Poznan
announces an open competition for the position of postdoc
in the Integrative Plant Biology Team**

No. of positions: **1**

INSTITUTION: Institute of Plant Genetics, Polish Academy of Sciences (IPG PAS)

CITY: Poznan

POSTION: postdoc

RESEARCH SUBJECT: Developmental aspects of a plant-pathogen interaction

PRINCIPAL INVESTIGATOR: Robert Malinowski PhD, associate professor, Head of the Integrative Plant Biology Team, IPG PAS

SALARY: 9772 PLN/ month, gross

SCIENTIFIC DISCIPLINE plant molecular biology, plant microbe-interactions, plant development

POSTED: 17-07-2023

EXPIRES: 22-09-2023

WEBSITE: <http://www.igr.poznan.pl/pl/announcements-job-oferty-pracy>

KEY WORDS: clubroot, plant vascular tissue, Arabidopsis thaliana

Four year postdoc position is available in the group of Prof. Robert Malinowski at the Department of Integrative Plant Biology Institute of Plant Genetics of the Polish Academy of Science (Poznan, Poland). We are looking for a highly motivated individual who wants to join our team to study vascular tissue remodelling by biotrophic protist *Plasmodiophora brassicae* in *Arabidopsis thaliana*. Infection leads to gall formation on the underground part of a plant, including anatomical changes leading to plant death (see review: <https://apsjournals.apsnet.org/doi/10.1094/MPMI-03-19-0069-CR>). Proper understanding of this reprogramming may help to engineer tolerance in plants. We encourage to apply all plant scientists holding PhD degree and having strong background in plant molecular biology. The experience in RNA laboratory techniques necessary for RNA isolation and library preparation from small quantities of a plant material would be preferred. Previous experience with a single cell sequencing technique or plant tissue protoplasting is highly appreciated. Since project is devoted to developmental aspects of plant-pathogen interactions, knowledge on plant development and previous experience with the use of *Arabidopsis thaliana* as a model would also be considered as an advantage. Project includes international co-operation with researchers from Belgium, Czech Republic and Finland and some experiments will be



performed abroad. For this reason the ability to travel and creativeness in the arrangement of working environment as well as multitasking and problem solving skills are required.

The competition is open to candidates who meet the conditions set out in the Act of 30 April 2010 on the Polish Academy of Sciences (Journal of Laws No. 96, item 619, as amended) and the Regulations for conducting competitions for scientific positions at the Institute of Genetics Plants, Polish Academy of Sciences in Poznan.

The application must contain the following statement:

"I hereby give consent for my personal data included in my offer to be processed for the purposes of recruitment,, in accordance with Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 on the free movement of such data and repealing Directive 95/46 / EC and the Act on the Protection of Personal Data of 10 May 2018 (Journal of Laws 2018.1000). At the same time, I give consent to the collection and processing of my personal data contained in the submitted documentation, for the purposes of future recruitment."

Goal of employment: to perform molecular biology and functional experiments aiming at deciphering *Plasmodiophora brassicae* driven reprogramming of vascular tissue development

Scope of research: the researcher will be responsible for conducting single cell sequencing transcriptomic experiments, phenomics, functional genetics and microscopy observations on the *Arabidopsis thaliana* plants infected with *Plasmodiophora brassicae*. Research will be carried out in international collaboration with experienced research partners of the Project.

Required qualifications: We encourage to apply all plant scientists holding PhD degree and having strong background in plant molecular biology. The PhD degree must be obtained not earlier than 7 years before the year of employment in the project (this period may be extended by the time of staying on long-term [over 90 days] documented sick leave or rehabilitation linked with inability to work. The length of maternity and child care leave is granted based on the regulation of Labour Code, and in the case of women - 18 months for each child born or adopted).

The experience in RNA laboratory techniques necessary for RNA isolation and library preparation from small quantities of a plant material would be preferred. Previous experience with a single cell sequencing technique or plant tissue protoplasting is highly appreciated. Since project is devoted to developmental aspects of plant-pathogen interactions knowledge on plant development and previous experience with the use *Arabidopsis thaliana* as a model would also be considered as an advantage. Good publication track and previous experience with at least basic bioinformatics analysis of transcriptional changes in *Arabidopsis thaliana* or other plant models would also be taken into account during the selection process

The candidate should be able to work in a collaborative and international environment, as well as independently. It is essential that candidate has excellent communication skills, both written and oral (with fluency in English), including the ability to present his/her work at international project meetings and conferences. The initiative, analytical skills and motivation are desirable.



Duties: Carrying out experiments on *Plasmopodiaophora brassicae* infected *Arabidopsis thaliana* plants, sample collection and processing. Work includes various molecular biology techniques required for RNA isolation and sequencing libraries construction, generation of CRISPR/Cas9 knock out plants, promoter::marker gene fusions, chemically inducible expression systems in transgenic *Arabidopsis thaliana*. Important part of the work will be a phenotypic description of the anatomical changes, therefore performing histological tissue preparation and work on epifluorescent and light microscopes will be required. Moreover, the ability to interpret the results, prepare and disseminate of research results in the form of scientific publications and presentations at scientific meetings are required .

Employment time: The work will be performed of full-time employment at IPG PAS over the period of 48 months, with the probationary initial period of 12 months that will be necessary to extend the contract depending on the work progress and the overall performance of the employee. Project is funded by the Polish National Science Centre [grant No. **2022/47/B/NZ9/00558**].

Criteria of candidates' assessments to be employed at scientific positions at the IPG PAS:

1. Matching the candidate's experience and skills to the planned field of study
2. Creativity measured:
 - a) quality (original papers) and number of publications, author position
 - b) participation in research projects
 - c) scientific and organisational activity
3. Mobility in their scientific career, including completed scientific and practical internships.

Documents required

1. Application for the employment to the Director of the Institute.
2. CV in Polish or English including:
 - a) education details
 - b) list of publications, conference communications, other forms of presentation of scientific research, other scientific activities
 - c) list of research projects, with the indication of the first authorship or corresponding authorship
 - d) names of two persons who may provide references. Please provide their positions and contact data, including e-mail address
3. Letter of interest (max. 0.5 page A4) containing concise information about scientific interests and how joining this project fits to the scientific career plant of the applying individual
4. Scan or photocopy of the university diploma.
5. Consent to the processing of personal data of the Candidate for the purposes of the competition.
6. Candidate's statement about getting acquainted with the Regulations for conducting competitions for scientific positions at the IPG PAS.

Documents in the electronic form (in 1 pdf file) must be sent by e-mail to: work@igr.poznan.pl putting in the title: „post-doc position – 2022/47/B/NZ9/00558”. For further details, please contact the Principal Investigator: dr hab. Robert Malinowski, email: rma1@igr.poznan.pl



Announcement of the results: Within maximum 4 weeks from the deadline for applications.

Stages of the recruitment procedure:

- deadline for applications: **22-09-2023**
- selection of best candidates by the Competition Commission appointed by the Director
- interview and assessment of the selected candidates by the Competition Commission
- decision of the Director

Interviewed candidates who received negative opinions from the Commission have the right to appeal against the results of the assessment. This appeal must be submitted to the Director of the Institute within 7 days from the date of receipt of the information. The decision of the Director of the Institute on this appeal is final.

Note:

Information on the winner of the competition will be provided on the Institute's website. All applications will be reviewed in the order in which they are received. Incomplete applications will not be processed. The Institute reserves the right to contact only candidates who meet the requirements described in the competition announcement.

Apostille clause and nostrification of diplomas

We would like to inform that foreign diplomas entitle to continue education in Poland on the principles set out in international agreements, and in the absence of such agreements - on the basis of relevant national provisions, by way of nostrification. Therefore foreigners and Polish citizens who have obtained a professional title or a degree abroad should check whether their diploma confirms having higher education at a given level in Poland and whether it entitles them to apply for the admission to doctoral studies / third degree or to opening doctoral thesis procedure.

Information in writing about the diploma obtained abroad, in particular about the level of education and the status of the university, at the request of the person concerned, is provided by the Director of the National Academic Exchange Agency. Information is provided on the basis of documents submitted by the applicant. Detailed information can be found at: <https://nawa.gov.pl/uznawalnosc/informacje-dla-uczeln/nowstrifikacja-dyplomow>

ATTENTION: at the stage of the recruitment process, there is no requirement to present documents certified by the apostille clause nor the requirement of nostrification of diplomas. These requirements must be met if the candidate is accepted.

Pursuant to Art. 13 of the Regulation of the European Parliament and of the Council (EU) 2016/679 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 (hereinafter referred to as GDPR), we inform you that:

- The administrator of the collected personal data is the Institute of Plant Genetics of Polish Academy of Sciences (hereinafter referred to as IPG PAS), ul. Strzeszyńska 34, 60-479 Poznań, REGON: 000326204, NIP: 7811621455
- contact with the Inspector of Personal Data Protection of the Institute of Plant Genetics of Polish Academy of Sciences is possible at the following e-mail address: iodo@igr.poznan.pl
- Personal data is processed in order to perform the administrator's tasks related to recruitment for a vacant position.
- Legal basis for data processing: consent of the data subject.
- Your data collected in the current recruitment process will be deleted, however not later than within 4 months of the recruitment settlement. After this period, personal data will be effectively destroyed, which will result in no access to them or the possibility of their reproduction.
- If a given candidate is selected - the candidate's personal data will be forwarded to the administration of IPG PAS in order to establish an employment. The personal data of the candidate who won the recruitment will then be



processed in order to: perform the contract to which the selected candidate is a party, and to take action for the selected candidate before concluding this contract (in accordance with Article 6 (1) (b) of the GDPR).

- With regard to the obtained personal data, IPG PAS will not make decisions in an automated manner.
- Your personal data will not be transferred to a third country.
- The candidate whose data is processed has the right to:
 - about access to the content of your personal data, request for rectification or removal, on the terms set out in art. 15-17 of the GDPR;
 - for data processing restrictions, in the cases specified in art. 18 GDPR;
 - on data transfer, on the terms set out in art. 20 GDPR;
 - to withdraw consent at any time without affecting the lawfulness of the processing which was carried out on the basis of consent before its withdrawal;
 - to lodge a complaint with the President of the Personal Data Protection Office.