



Strzeszyńska 34, 60-479 Poznań

Tel. centrala: 61 6550200, sekretariat: 61 6550255, E-mail: office@igr.poznan.pl
www.igr.poznan.pl

NIP: 7811621455 REGON: 000326204

**Recruitment to the Poznań Doctoral School of Institutes of the Polish Academy of Sciences
at the Institute of Plant Genetics of the Polish Academy of Sciences in Poznań, Poland
No. 24/2022/IGR/PSD**

Dr William Truman is seeking a highly motivated applicant for PhD studies and experimental work on a project focussing on resistance to clubroot disease in Arabidopsis.

INSTITUTION: Institute of Plant Genetics of the Polish Academy of Sciences

CITY: Poznań

TYPE OF POSITION: PhD student

NUMBER OF VACANCIES: 1

SCIENTIFIC DISCIPLINE: Agricultural sciences

DATE POSTED: 29/06/2022

APPLICATION DUE DATE: 29/08/2022

www IGR PAN: <http://www.igr.poznan.pl/en/home-en>

Link to the announcement on the IGR PAN website: <http://www.igr.poznan.pl/en/main-en/ids-en/poznan-doctoral-school/offers-of-competitions-for-pds-ipas>

PSD IPAS: <https://psd-ipan.ichb.pl/index.php/en/home/>

KEY WORDS: plant-pathogen interactions, plant-microbe interactions, plant pathology, clubroot disease, *Plasmodiophora brassicae*, plant molecular biology, protein interactions, immune signalling

Research subject: Plant immune signalling

Principal Investigator: Dr. William Truman IPG PAS

DESCRIPTION OF RESEARCH POSITON IN THE PROJECT

Place of employment: Department of Integrative Plant Biology

Supervisors: William Truman and Robert Malinowski

Goal of employment: Conducting research in the NCN UMO-2021/41/B/NZ9/02405 project: Molecular and functional characterisation of clubroot disease resistance mechanisms in Arabidopsis.

Scope of research:

In this project we aim to characterise the molecular of function of a novel immune signalling component *RPB1* (*Resistance to Plasmodiophora brassicae 1*). The importance of this gene in mediating resistance to the biotrophic pathogen *Plasmodiophora brassicae* has been established through the generation of knock-out mutants in clubroot resistant *Arabidopsis thaliana* accessions. However, little is known about the potential function of the RPB1 protein. The focus of the research will be to develop our understanding of the role of RPB1 at a molecular level through characterisation of its subcellular localisation, screening for protein-protein interactions, generation of mutations in potentially key residues, and investigating the dynamics of *RPB1* gene expression.

Duties:

1. Conducting experimental work.
2. Data analysis, preparation of manuscripts and dissemination of research findings.
3. Participation in the programme of the Doctoral School.
4. PhD thesis preparation.

Requirements for candidates:

1. The professional title of Master's degree in the field of biology or a related field, or meeting the conditions indicated in Art. 186 paragraph 2 of the Act of July 20, 2018 Law on Higher Education and Science (Journal of Laws of 2018, item 1668, as amended).
2. Experience with laboratory work and the experimental methods of molecular biology.
3. Strong interest in the subject of plant-microbe interactions.
4. Motivation to work independently.
5. Good knowledge of written and spoken English.

Additional information:

1. Research will be conducted in the frame of the National Science Centre funded project UMO-2021/41/B/NZ9/02405 project: Molecular and functional characterisation of clubroot disease resistance mechanisms in *Arabidopsis*.
2. PhD student will receive gross monthly fellowship 4270 PLN (3685 PLN net). The fellowship duration is 36 months.

The employer will cover the costs of social security according to art. 6 ust. 1 pkt 7b act from 13th of October 1998 on the social insurance system (Journal of Laws of 2019, items 300, 303 and 730).

Documents Required:

1. An application for admission to PSD IPAN with consent to the processing of personal data for the purposes of the recruitment procedure and a statement acknowledging the regulations recruitment to PSD IPAN, made on the form available at: <http://www.igr.poznan.pl/en/main-en/ids-en/poznan-doctoral-school>
2. A copy of the diploma confirming completion of studies or a certificate of graduation (in the case of diplomas issued by foreign universities, the diploma referred to in Article 326 (2) (2) or Article 327 (2) of the Act of July 20, 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 higher education system is operated by the university that issued it. If the candidate does not have the above-mentioned documents, he / she is obliged to provide them before being admitted to the PSD IPAN Additional information about foreign diplomas is available at: <https://nawa.gov.pl/en/recognition/recognition-for-academic-purposes/applying-for-admission-to-doctoral-studies>.

NOTE: At this stage of the recruitment process, there is no requirement to provide documents that have been certified with the apostille clause or the requirement to certify the recognition of diplomas. However, these requirements must be met if the candidate is accepted.

3. A scientific CV covering the candidate's previous education and employment, information regarding involvement in scientific activities (membership in scientific societies, participation in research conferences, internships and trainings, awards and distinctions obtained) and a list of any publications.
4. A cover letter containing a short description of scientific interests and achievements as well as a justification for the intention to study at the doctoral school.
5. Certificates or other documents confirming the level of English language proficiency, if available.
6. Contact details for at least one academic supervisor or other researcher who would be able issue an opinion on the candidate.

Documents in electronic form (in 1 PDF file) should be emailed to psd@igr.poznan.pl using the title, **PhD student, Department of Integrated Plant Biology.**

Application deadline: Deadline for submission of applications is 29/08/2022

Evaluation Criteria:

1. The candidate's knowledge concerning plant-microbe interactions.
2. Knowledge of cell biology and molecular biology in general.
3. The candidate's scientific achievements based on grades from studies, scientific and popular science publications, scholarships, awards and distinctions resulting from research or student activity or other achievements.
4. The 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, international and professional mobility, experience in other sectors, including industry

A description of the recruitment process can be found in the Recruitment Regulations for the PSD IPAN. After the recruitment is completed, the unsuccessful candidates will be informed about the scores obtained at various stages of the recruitment process.

Additional information can be obtained from the primary investigator:

Dr. William Truman IPG PAS

e-mail: wtru@igr.poznan.pl

Competition adjudication: no later than 1 month following the closing of the call for applications.

Information clause:

Pursuant to Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals 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), The Institute of Plant Genetics of the Polish Academy of Sciences (hereinafter referred to as the "Institute") informs that:

- a) the administrator of personal data obtained, collected and processed as part of the implementation of this contract is the Institute of Plant Genetics of the Polish Academy of Sciences, ul. Strzeszyńska 34, 60-479 Poznań,
- b) contact with the Inspector of Personal Data Protection of the Institute of Plant Genetics of the Polish Academy of Sciences in Poznań, is possible at the following e-mail address: iodo@igr.poznan.pl,
- c) the basis for data processing is Art. 6 sec. 1 letter b) and c) of the Regulation referred to above,

- d) all personal data provided to the Institute will be kept for the duration of the contract and for a period of 5 years after its termination,
- e) with regard to the obtained personal data, the Institute will not make decisions in an automated manner,
- f) The employee has the right to:
- pursuant to art. 15 GDPR, the right to access personal data,
 - pursuant to art. 16 GDPR, the right to rectify personal data;
 - pursuant to art. 18 GDPR, the right to request the administrator to limit data processing personal data, subject to the cases referred to in art. 18 sec. 2 GDPR;
 - the right to lodge a complaint with the President of the Personal Data Protection Office when an Employee considers that the processing of personal data by the Institute violates the provisions of the GDPR.