



INSTITUTE OF DENDROLOGY

POLISH ACADEMY OF SCIENCES

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Kórnik 25th May 2021

**Announcement about recruitment to the Poznań Doctoral School
of the Institutes of the Polish Academy of Sciences
at the Institute of Dendrology Polish Academy of Sciences
No. 5/2021/ID/PSD**

I. Position type: doctoral student

II. Number of vacancies: 1

III. Discipline: biological sciences

IV. Application deadline: 31/07/2021

V. Detailed information about recruitment process can be found on the website:

<http://www.idpan.poznan.pl/doctoral-school-pds-ipas/information-on-recruitment-at-the-institute-dendrology-pas> and <https://www.ibch.poznan.pl/pl/main-pl/st-doktoranckie/psd-ipan/>

VI. Research topic: Population genetics and influence of potentially invasive non-pathogenic fungi on native ecosystems

VII. Principal Investigator / Research group: dr. Marcin Pietras, Department of Biogeography and Systematics

VIII. Project Description:

The main objective of the project is to assess the impact of potentially invasive fungi on native forest ecosystems. First aim of the project is to investigate demographic events within populations of four potentially invasive non-pathogenic fungi (by developing new microsatellite markers). Second, to describe changes in soil fungal communities during the expansion of potential invasive fungi (by investigation the impact of non-native taxa on native mycobiota). Third, to prove the impact of potentially invasive fungi on soil chemistry and ecosystem functioning. We hypothesize that non-native fungi may have strong decomposition abilities in comparison to native mycobiota, and thus are able to obtain carbon compounds from soil carbon stock and therefore can strongly influence native ecosystems.

Individual tasks will be performed on 43 chosen study plots and in the laboratory.

PhD student tasks will cover all aspects connected with mycology undertaken in the project with special emphasis on the impact of potentially invasive fungi to native mycobiota, especially the description of fungal communities composition (including quantitative and qualitative relations within fungal communities), collecting material in the field and molecular data analysis. PhD student will be also work in the laboratory with

DNA isolation, PCR and other tasks connected with fungal community analysis and take part in fieldwork during the project.

In the project we offer a collaboration with team of scientists represent various scientific disciplines, ranging from classical botany and zoology to advanced molecular methods. The project connecting scientist in a different stage of a carrier, from experts with high experience to an early-stage scientist. For PhD student the project will give the opportunity to develop and improve personal skills, but is also the chance better understanding of the occurrence and spread of non-pathogenic fungi outside their native range.

IX. Additional information:

1. Research and doctoral dissertation will be conducted under project: Population genetics and influence of potentially invasive non-pathogenic fungi on native ecosystems (2019/35/B/NZ8/01798, National Science Centre, Poland).
2. The doctoral student will receive a doctoral scholarship in the amount of 4180 PLN gross (3789,00 PLN net) monthly during the entire doctoral studies, 35 months with the possibility of extension.
3. The doctoral student will have the social insurance costs referred to in art. 6 clause 1 point 7b of the Act of October 13, 1998 on the social insurance system (Dz. U. z 2019 r. poz. 300, 303 i 730).

X. Requirements for candidates:

1. Master degree in discipline of biological sciences, forest sciences or related or meeting the conditions specified in art. 186 section 2 of the Act of July 20, 2018 Law on Higher Education and Science (Dz. U. z 2018 r., poz. 1668 z późn. zm.).
2. Good skills in written and spoken English, allowing for preparation scientific publications.
3. Ability to conduct sampling and field investigations, very good organization in the laboratory.
4. Favourably: experience in field mycology and/or experience in Next Generation Sequencing data and procedure.

XI. Required documents:

1. An application to PDS IPAS, including consent for the processing of personal data for the purposes of the recruitment procedure, and a declaration of familiarity with these rules.
2. A copy of the degree certificate confirming graduation or a certificate of graduation; in the case of degree certificates issued by foreign higher education institutions, the certificate referred to in Article 326(2)(2) or Article 327(2) of the Act, giving the right to seek to obtain a doctoral degree in the country under whose higher education system the issuing institution operates. A candidate who does not have the aforementioned documents will be obliged to supply them before being admitted to PDS IPAS. Additional information on foreign diplomas is available on the website: <https://nawa.gov.pl/en/recognition/recognition-for-academic-purposes/applying-for-admission-to-doctoral-studies>



3. A curriculum vitae showing previous education and employment, information on involvement in scientific activity (membership of student scientific groups, participation in scientific conferences, completed internships and training courses, prizes and distinctions received) a list of publications.

4. A motivation letter, containing a short description of interests, scientific accomplishments, and reasons for wishing to study at the doctoral school.

5. Certificates or other documents confirming the candidate's knowledge of English, if the candidate has such.

6. Contact details of at least one previous academic supervisor or other academic employee who has agreed to provide an opinion regarding the candidate.

The application should be sent by e-mail to the address psd.idpan@man.poznan.pl with the subject "**Competition for the position of doctoral student No. 5/2021/ID/PSD**" in the form of a pdf attachment. If sending by electronic means is not possible, applications sent to the address Institute of Dendrology, Polish Academy of Sciences, Scientific Information Department, Parkowa 5, 62-035 Kórnik, Poland, with the note on the envelope "**Competition for the position of doctoral student No. 5/2021/ID/PSD**" are also accepted. Please do not send original documents.

XII. Application deadline: 31/07/2021

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

XIII. Criteria for assessing candidates:

1. The candidate's academic accomplishments, based on grades attained during studies, scientific and popular science publications, scholarships, awards and distinctions resulting from research or student activity, and other achievements.

2. The candidate's academic and professional experience, based on participation in conferences, workshops, training courses and internships, participation in research and commercial projects, involvement in scientific groups and associations, international and professional mobility, and experience in other fields, including in industry.

3. Candidate's knowledge in the biological science discipline.

4. Knowledge of the topics listed in the recruitment notice.

XIV. Competition results: 19/08/2021

XV. A description of the recruitment process can be found in the Recruitment Regulations for PDS IPAS. After the recruitment is completed, unaccepted candidates will be informed of the strengths and weaknesses of their applications. Admission to PDS IPAS is refused by administrative procedure. The decision may be appealed with to the Director of the Institute of Dendrology of the Polish Academy of Sciences.

Additional information may be provided Principal Investigator: dr. Marcin Pietras, (e-mail: mpietras@man.poznan.pl phone: (+48) 61 817 00 33)

DYREKTOR
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