

Two Phd positions in Mammal Research Institute, Polish Academy of Sciences, Białowieża, Poland



Mammal Research Institute
Polish Academy of Sciences
Białowieża

We are looking for two motivated PhD students to focus on forest ecology during the four-year position, to work in a project “*Ecological impact of forest disturbances - natural experiment in Białowieża Primeval Forest*”. This position is funded by National Science Centre in Poland (NCN).

1. The project and the working environment

1.1. The project

Białowieża Forest is one of the most important European hotspot of forest biodiversity. Recently this forest has been seriously affected by the bark-beetle outbreak, which killed nearly half of Norway spruces in the forest, and harvesting of dead spruces was initiated. As an effect, the ecosystem was hit twice: first by bark-beetle outbreak and again by the following clear-cutting. A primary goal of the proposed project is to evaluate the ecological consequences of the forest disturbance by the bark-beetle, and post-disturbance management, for bird, bat and butterfly communities. Sampling of these three animal communities is planned to check if disturbed sites host less diverse animal communities and to indicate winners and losers of the disturbance effect, and post-disturbance salvaging. Main motivation for the research is the increasing frequency of forest disturbances (e.g., fires, outbreaks of insects) worldwide whereas their ecological effects are still relatively poorly understood. Additional reading in Żmihorski (2010) *Biodiv. Conserv.* 19:1871-1882; Żmihorski et al. (2016) *Agric. Ecosyst. Environ.* 233:291-297; Żmihorski et al. (2019) *Global Ecol. Conserv.* 18: e00636.

1.2. The working environment

Mammal Research Institute, Polish Academy of Sciences (MRIPAS) in Białowieża, founded in 1952, conducts research in the field of ecology, ethology, morphology, population genetics as well as population management and conservation of mammals and other terrestrial vertebrates. The mission of the Institute is to acquire, advance, and disseminate knowledge of natural patterns and processes in order to improve the scientific basis for effective nature conservation activities and sustainable development. We focus mainly on Białowieża Primeval Forest (UNESCO Biosphere Reserve and World Heritage Site) as a study area, but also on other regions of Poland and Europe. The Institute employs 60 people, including researchers, PhD students, and qualified technical and office staff. The PhD will be part of the research group (including at least two researchers, two PhD candidates and a post-doc, the group will be leaded by Michał Żmihorski) working on the project.

2. Description of PhD positions and application requirements

We are looking for two highly motivated PhD students who are interested in forest ecology, including interest in ecology of forest bats and birds, as well as have knowledge in statistical analysis tools.

2.1. Tasks and duties of a PhD student

- Collecting data on birds and bats with the help of recording devices in the Białowieża Forest – you will need to learn how to use and maintain the device and managing data collected from the devices. Note that you will have to spend some time in the field to perform the sampling.
- Handling collected data, analysing recordings, automatic and manual bird and bat voice identification.
- Performing statistical analyses of data collected, preparing visualisations of the results.
- Participating in scientific community through writing scientific papers and attending to relevant conferences and workshops.

- Participating in the NCN project management and administration may be involved but up to a level not exceeding 20% of fulltime.
- Defending PhD within 4 years since employment.

2.2. Mandatory qualifications and skills

- M.Sc. degree in Biology, Ecology or other relevant subject (candidates must obtain M.Sc. degree not later than 01.10.2021).
- Good knowledge on ecology of Polish birds or bats.
- Good written and spoken English.
- Skills in the use of statistical methods in ecology.
- Knowledge on R language and environment.
- At least basic knowledge in using GIS software.
- Experience in field work, especially with ecological research of birds or bats.
- Excellent interpersonal and organizational skills, analytical and problem-solving skills. The ability to work both as a team member and to take initiatives and work independently are essential.

2.3. Additional (non-obligatory) qualifications

- Experience in the use of Python.
- Knowledge on the use of machine learning.
- Documented publication record in ecology.
- Valid driving licence.

2.4. Additional things to consider

- You will need to be present and work in Białowieża, Poland (52.70398N, 23.84985E) most of the 4-year period. This is a remote place (ca. 1500 inhabitants), ca 20 km from a nearest city.
- Substantial part of your work as a PhD student will be based on computer work in the Institute (GIS analyses, statistics, reading scientific literature, writing manuscripts, etc.) so be aware that fieldwork will constitute only part of your activity.
- If you are already hired somewhere or involved in other projects and seeking for additional activity, our project will not be a good choice – we expect you to be full-time involved in the PhD project in MRIPAS – combining the PhD with other form of employment is unrealistic.

3. What do we offer?

We offer a PhD student excellent conditions to conduct her/his doctoral project – Mammal Research Institute is a place you will grow as a researcher, you will be involved in scientific study, you will be part of the team, and you will have prospects after you finish:

- Strong support by the project leader and other team members and MRIPAS staff to a PhD student: help with data collecting, analysing, interpretation and scientific writing. You will be provided with many opportunities to quickly improve your skills and competences in the field of ecology, scientific writing and data analysis.
- Monthly gross salary 5000 PLN (i.e., 3648 PLN net; the highest National Science Centre allows for PhD students), ensuring pretty good life standard in Poland.
- We offer employment as a PhD student for 4 years, starting October 2021.
- Help with accommodation – we have relatively inexpensive flats in Białowieża, situated close to MRIPAS that can be rent by PhD students.
- Possibility to work and live in a nice place: a small village (i.e., Białowieża) located in the middle of Białowieża Primeval Forest – one of the most important biodiversity hotspot in Europe. MRIPAS is located 1.2 km from strict reserve of Białowieża National Park.

- Possibility to attend courses, workshops and conferences organized by MRIPAS and BIOPLANET doctoral school.
- Possibility to develop your own ideas and to apply for your own projects.

4. Application and recruitment

4.1. Deadline for applying

We welcome your application **no later than 2021-08-10**.

4.2. Documents that need to be delivered

- A written application letter where you describe yourself, your motivation for applying for the PhD position and research interests, and describing the required qualifications (max 2 pages).
- A curriculum vitae that includes your education, academic record, former experience in ecological research, skills (language, programs, methods), conferences, workshops, courses, internships, awards, and publications (if any).
- Copy of M.Sc. diploma (in case you plan to defend your master degree in September, the diploma can be delivered later but before 01.10.2021).
- A full-text version (pdf/word file) of your master thesis.
- A list of at least two reference persons (e.g., prior research supervisors) familiar with your qualifications, together with e-mail addresses.
- Declaration of consent for processing of personal data, attached below (only first signed page should be delivered)

Documents should be send via e-mail to Michał Żmihorski: zmihorski@ibs.bialowieza.pl (subject of an e-mail: "Application, Opus")

4.3. Recruitment

The recruitment rules will follow NCN regulations. The selection will be based on the qualifications of the candidates including scientific achievements, experience, awards, internships, skills and competences. An interview will be part of the selection of candidates. Successful candidates will need to recruit to Bioplanet doctoral school, you will find all details on [the school webpage](#).

5. Contact person

Michał Żmihorski (zmihorski@ibs.bialowieza.pl; [Research Gate profile](#)) is a principal investigator of the project and will be main supervisor of PhD students. It is highly recommended that you contact me as soon as you decide to apply for this position, if you want to learn details concerning the project, the PhD student duties or necessary qualifications and any other important issues related with the project – I will be very happy to informally meet and talk to potential candidates (e.g., via Zoom), so do not hesitate to contact me.

Declaration of consent for processing of personal data within the framework of the competition procedure for granting scientific scholarships in research projects funded by the National Science Centre

I consent for my personal data to be processed by the Institute of Mammal Research Institute Polish Academy of Sciences (hereinafter referred to as IBS PAN) for the purposes necessary for the recruitment process on the award of scientific scholarships in research projects funded by the National Science Centre (in accordance with 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 (General Regulation on Data Protection) (J.L. EU. 2016, No. 119, p. 1)- hereinafter referred to as RODO, and national data protection regulations issued on its basis.

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Place, date

.....
Signature

I consent for my personal data to be processed by the Mammal Research Institute Polish Academy of Sciences in Białowieża (hereinafter referred to as IBS PAN) for the purposes of the recruitment process for the award of scientific scholarships in research projects funded by the National Science Centre **(required if the data provided include special categories of data referred to in Article 9(1) of the RODO).**

.....
Place, date

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Signature

General Regulation on Data Protection (RODO) information clause

(drawn up in connection with the implementation of the obligation indicated in Article 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons in connection with the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC. (Official Journal of the EU L 119, p. 1).

1. The Administrator of your personal data is the Mammal Research Institute of the Polish Academy of Sciences in Białowieża (hereinafter referred to as IBS PAN), represented by the Director of IBS PAN 1 Stoczek St., 17-230 Białowieża, e-mail address: mripas@ibs.bialowieza.pl, tel. 85 682 77 50.
2. Any questions regarding the manner and extent of the processing of your personal data and your rights under the RODO, can be directed to the designated Data Protection Officer at email address: iod@ibs.bialowieza.pl or by writing to the registered office address indicated above with the reference "Data Protection Officer".
3. Your personal data will be processed for the purpose and in the scope necessary to carry out the competition procedure for the scholarship, awarding scientific scholarships in research projects funded by the National Centre for Science, and in the case of selection for the position of a scholarship holder, in connection with the conclusion of a scholarship agreement for the payment of a scientific scholarship and activities connected with the collection of the scientific scholarship, your data will be processed on the basis of the Rules of Procedure for Awarding Scientific Scholarships in Research Projects Funded by the National Centre for Science, the Agreement for the Implementation and Financing of the Research Project (hereinafter referred to as "Project") in the framework of which the competition for the position of a scholarship holder is carried out (art. 6 1(b) RODO). Your personal data will also be processed on the basis of your consent to the processing of data in order to carry out the competition procedure - the basis for the processing of personal data will then be Article 6(1)(a) RODO and Article 9(2)(a) RODO. The Administrator may also process personal data in order to protect its legitimate interests (Article 6(1)(f) RODO) - in order to service, investigate and defend in the event of the occurrence of mutual claims.
4. The recipients of your personal data will be: The National Science Centre in Cracow, the appointed Scholarship Committee, entities assessing or controlling the proper implementation of the Project, within the framework of which the agreement was concluded, entities conducting control and evaluation and other entities entitled to obtain data on the basis of legal regulations.
5. Your personal data will be stored until the end of the recruitment process from the date of your application, unless, before the expiry of the period indicated above, you withdraw your consent to the processing of your data or restrict it, subject to point 6. In the event, that the basis for the processing of your personal data after the recruitment process has been completed is the legitimate interest of the administrator (e.g. in case when the processing of your personal data after the recruitment process is based on the legitimate interest of the administrator (e.g. in connection with the proceedings before the administrative court initiated by the candidate as a result of the refusal to grant the NCN research scholarship or suspension of the NCN research scholarship payment in connection with the termination of the scholarship agreement), your personal data will be processed only until the proceedings based on the legitimate interest of the administrator is completed or until you make an effective objection.
6. In the case of obtaining a NCN research scholarship (i.e. successful completion of the recruitment process and conclusion of an agreement for a NCN research scholarship payment), the processing of your personal data will take place for the entire period of the agreement for the implementation and financing of the research project within the framework of which the competition for the position of a scholarship holder was held, until the completion of Project implementation and settlement of the agreement for Project implementation and financing concluded with National Science Centre, and then until the expiration of the period of limitation of any possible claims resulting from the contract in the Project, and after that period the data will be kept for archiving purposes - for the period provided for by the law.
7. You have the right to request access to your personal data (including making a copy of it) and, under the conditions set out in the RODO, the right to rectify (amend), erase or restrict processing, object to the processing of your data, transfer your data and the right to lodge a complaint to the supervisory authority, which in Poland is the Inspector General for the Office for Personal Data Protection, having its registered office at: Office for Personal Data Protection, 2 Stawki St., 00-193 Warsaw.
8. You also have the right to withdraw your consent for the control to process your personal data at any time. Withdrawal of consent does not affect the compliance of the processing of your personal data which was performed on the basis of consent given before its withdrawal. However, revoking your consent to data processing during the recruitment process may make it impossible to grant an NCN research scholarship.
9. Providing your personal data is voluntary, but necessary to participate in the competition procedure in the competition procedure, and in the case of a scholarship award it is a condition for the conclusion and performance of the agreement for the payment of a NCN research scholarship.
10. Your personal data obtained for recruitment purposes will not be transferred to a third country or international organization.
11. Your personal data will not be subject to automated decision-making, including in the form of profiling.