On **15 September 2022** the **Polish National Science Center** announced the **POLONEZ BIS 3** Postdoctoral Fellowship Programme, coordinated under **Marie Skłodowska-Curie COFUND** and addressed to excellent experienced researchers interested in developing their professional skills within the stimulating environment of best research institutions in Poland.

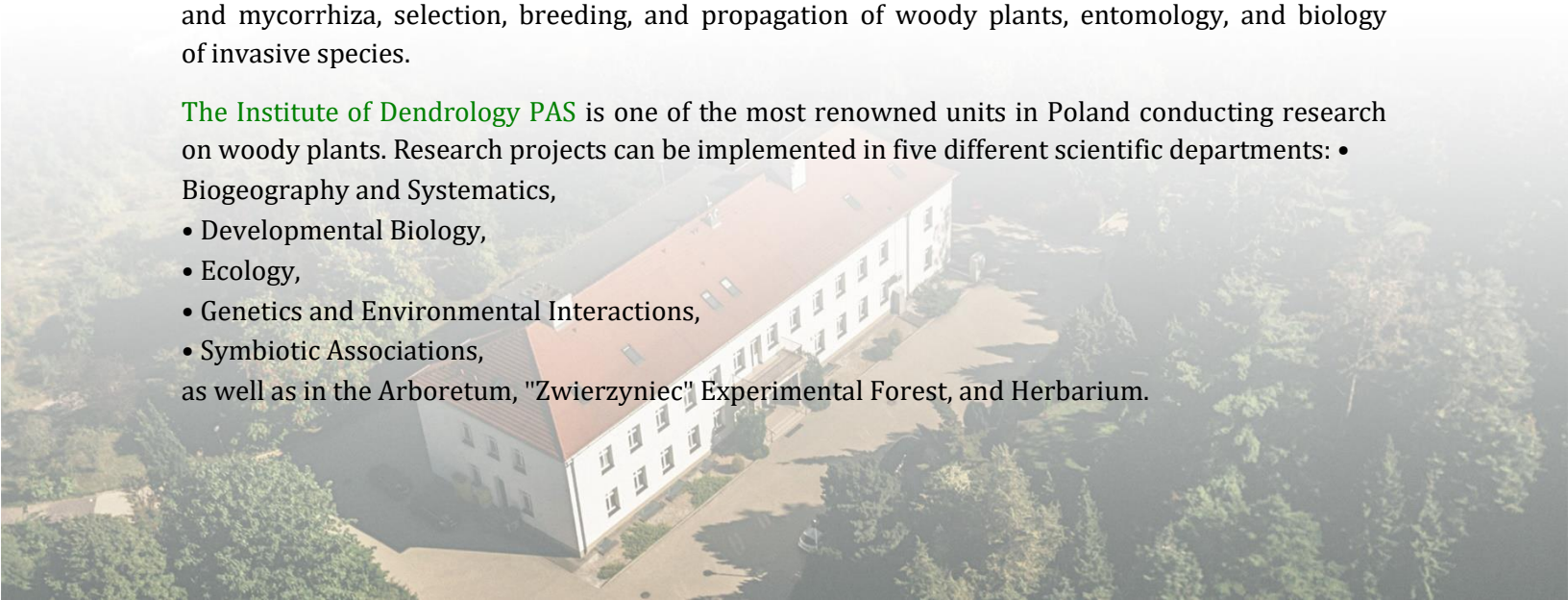
Open to candidates of any research background, discipline or nationality, the programme is aimed at scientists with a **PhD degree or equivalent** research experience. Selected in a transparent, merit-based evaluation process based on international peer-review, the fellows will be offered **2-year full-time employment contracts** to work on projects combining basic research with an cross-sectoral secondment phase.

Eligibility criteria:

- ✓ Research experience: PhD degree or at least 4 years of documented full-time research experience (including doctoral studies experience).
- ✓ Mobility requirement: applicants must move from any country to Poland for the duration of their fellowships and must not have resided, studied or been employed in Poland for more than 12 months in the 3 years immediately before the date of call launch.
- ✓ More details: POLONEZ BIS 3 – Guide of Applicants (https://polonezbis.eu/wp-content/uploads/2022/08/2022-07-22_POLONEZ-BIS-3-Guide-for-applicants-4.0.pdf).

The **Institute of Dendrology, Polish Academy of Sciences**, in Kórnik is a scientific unit that carries out interdisciplinary research on the biology of woody plants at all levels of their organization and is **eager to cooperate with foreign scientists**. The Institute conducts research in two scientific disciplines: biological sciences and forest sciences. Research directions pursued at the Institute include: biogeography and systematics, physiology and ecophysiology, molecular biology, seed biology, biochemistry, genetics, proteomics, ecology, bioindication, phytoremediation, mycology and mycorrhiza, selection, breeding, and propagation of woody plants, entomology, and biology of invasive species.

The Institute of Dendrology PAS is one of the most renowned units in Poland conducting research on woody plants. Research projects can be implemented in five different scientific departments: • Biogeography and Systematics,
• Developmental Biology,
• Ecology,
• Genetics and Environmental Interactions,
• Symbiotic Associations,
as well as in the Arboretum, "Zwierzyniec" Experimental Forest, and Herbarium.



Our scientific laboratories carry out research on a wide range of topic:

The **Department of Biogeography and Systematics** conducts research on systematics and geography of trees and shrubs of Europe and the Mediterranean region; population genetics of woody plants, molecular taxonomy of trees and shrubs; phytogeography of woody plant species; micromorphology of aboveground plant parts; application of molecular methods to the study of biogeography and ecology of non-pathogenic alien fungi; modeling of geographical ranges of forest trees and shrubs.

- **Head of Department: Prof. Marcin Pietras (mpietras@man.poznan.pl)**

The **Department of Developmental Biology** conducts research on biological mechanisms of dormancy breaking, seed germination and seedling growth and development; micropropagation of trees and shrubs by tissue cultures and somatic embryogenesis; long-term storage of gene resources of woody species; mechanisms of seed tolerance to desiccation; physiological and biochemical bases of seed longevity (antioxidants, reactive oxygen species, markers of seed aging).

- **Head of Department: Prof. Ewelina Ratajczak (eratajcz@man.poznan.pl)**

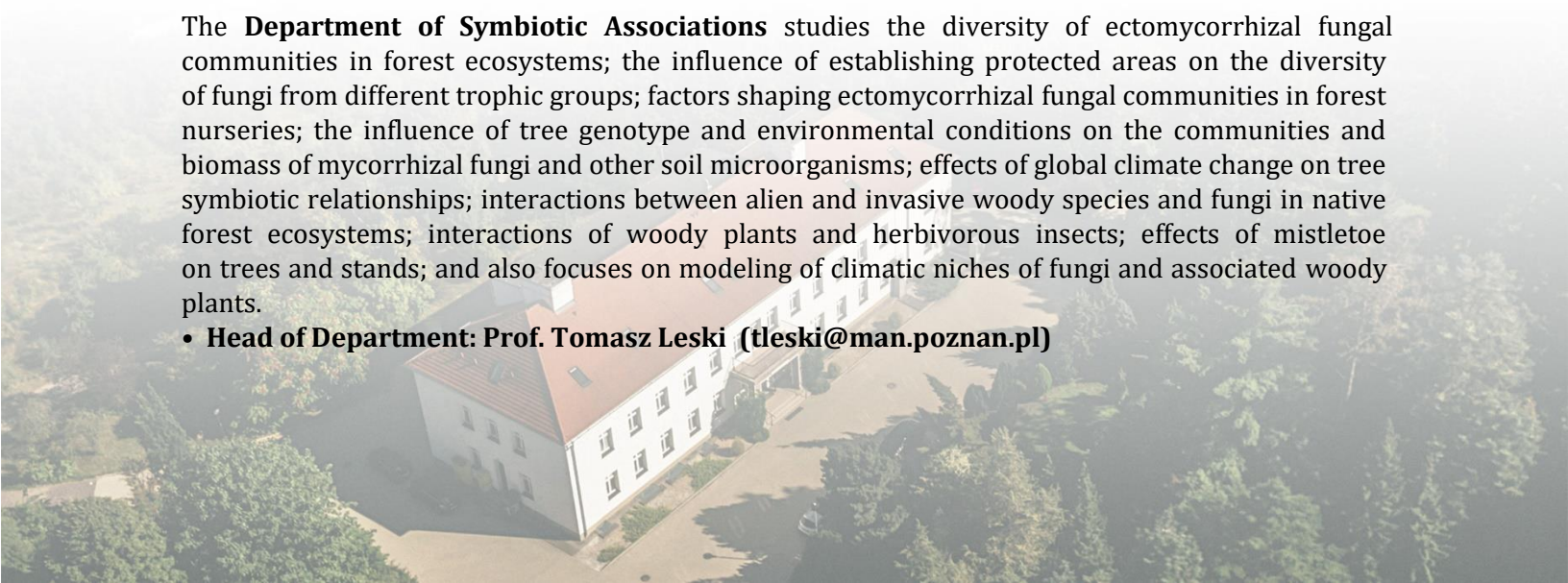
The **Department of Ecology** conducts research on global climate change and functioning of forest ecosystems; ecological and ecophysiological mechanisms of woody plant response to abiotic, biotic and anthropogenic factors; environmental determinants of production and allocation of biomass and nutrients in forest plants; carbon retention in forest ecosystems; structure and function of plant organs and functioning of forest ecosystems in different climatic zones (including functional ecology); modeling of natural processes in forest ecosystems (decomposition, primary production, dispersal), and studying the causes and consequences of biological invasions of trees and shrubs. • **Head of Department: Prof. Andrzej M. Jagodziński (amj@man.poznan.pl)**

The **Department of Genetics and Environmental Interactions** focuses on population genetics of woody species; studies of genetic bases of phenotypic variation, adaptation and speciation; use of genetic markers in breeding and selection of forest trees; quantitative genetics and selection breeding of forest trees; development of new genomic resources; studies of mechanisms regulating seed dormancy and germination; studies of the genetic basis of sex determination in dioecious plants; analysis of the effects of environmental conditions and genetic factors on qualitative and quantitative reproductive characteristics of woody plants; studies of the transcriptional activity of woody plants; analysis of the molecular basis of mycorrhizal interactions; mechanisms of tolerance of woody plants to environmental stresses and industrial pollution.

- **Head of Department: Prof. Andrzej Lewandowski (alew@man.poznan.pl)**

The **Department of Symbiotic Associations** studies the diversity of ectomycorrhizal fungal communities in forest ecosystems; the influence of establishing protected areas on the diversity of fungi from different trophic groups; factors shaping ectomycorrhizal fungal communities in forest nurseries; the influence of tree genotype and environmental conditions on the communities and biomass of mycorrhizal fungi and other soil microorganisms; effects of global climate change on tree symbiotic relationships; interactions between alien and invasive woody species and fungi in native forest ecosystems; interactions of woody plants and herbivorous insects; effects of mistletoe on trees and stands; and also focuses on modeling of climatic niches of fungi and associated woody plants.

- **Head of Department: Prof. Tomasz Leski (tleski@man.poznan.pl)**



The Institute of Dendrology, Polish Academy of Sciences, will provide mentorship and technical support during project implementation, as well as access to modern research and laboratory infrastructure. The Institute employs highly qualified scientific and engineering staff who are ready to form research teams, consisting of both specialists employed at the Institute and outside the Institute.

If you are interested in applying, please contact the Department of Scientific Information (din.idpan@man.poznan.pl) at the Institute of Dendrology, Polish Academy of Sciences, in Kórnik, in order to get assistance with the preparation of your application.

The deadline for submitting proposals is 15 December 2022 (4:00 p.m. CEST).

NATIONAL SCIENCE CENTRE POLAND

POLONEZ BIS