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

CITY: **Poznań**

POSITION: **Postdoc**

DISCIPLINE: **Chemistry/Biochemistry/Biotechnology/Chemical Biology**

POSTED: **30.12.2025**

EXPIRES: **15.01.2026**

WEBSITE: **https://www.igr.poznan.pl**

KEY WORDS: **Plant-nanoparticle interaction, plant tissue culture, phytochemistry**

DESCRIPTION:
Number of positions: **2**

Work location: **Institute of Plant Genetics, Polish Academy of Sciences, Poznan, Poland**

Type of contract: **full-time, temporary for up to 2 years**

Salary range: **12000 PLN per month gross**

Start date: **Immediately**

Doctoral degree obtained not earlier than 7 years before the year of employment in the project (not including maternal leaves).

<u>Position 1: Postdoctoral Researcher in Phytochemistry</u>

Required Qualifications

1. Ph.D. in plant sciences, chemistry, or a closely related discipline.
2. Demonstrated experience in targeted and/or untargeted metabolomic analyses.
3. At least one first-author publication in a peer-reviewed, high-impact international journal relevant to the position.
4. Strong organizational skills and the ability to work both independently and collaboratively.
5. Excellent written and spoken English.
6. Experience with plant secondary metabolites is a strong asset.

Main Duties

1. Analysis of plant secondary metabolites using advanced analytical techniques (e.g. UPLC, LC–MS).
2. Processing and interpretation of metabolomic data using appropriate software tools.
3. Preparation of high-quality scientific manuscripts and presentation of results at seminars, conferences, and other scientific meetings.

Position 2: Postdoctoral Researcher in Plant–Nanoparticle Interactions

Required Qualifications

1. Ph.D. in plant sciences, nanotechnology, or a closely related discipline.
2. Proven experience in the application of nanomaterials in plant research.
3. At least one first-author publication in a peer-reviewed, high-impact international journal relevant to the position.
4. Strong organizational skills and the ability to work both independently and collaboratively.
5. Excellent written and spoken English.
6. Experience in nanoparticle characterization using relevant analytical techniques is a strong asset.

Main Duties

1. Investigation of nanoparticle-induced physiological, biochemical, and molecular responses in plant systems (in vitro and in vivo).
2. Analysis of nanoparticle and metal ion uptake in plant cells and seedlings using techniques such as ICP–MS and TXRF.
3. Preparation of high-quality scientific manuscripts and presentation of results at seminars, conferences, and other scientific meetings.

Working Environment

The successful candidates will join an interdisciplinary research team at IPG PAS, offering access to state-of-the-art infrastructure, international collaborations, and opportunities for professional development in plant sciences and nanotechnology.

What we offer

1. A full-time employment contract
2. An attractive pension scheme and health insurance.
3. 36 working days of holidays per year.
4. Generous financial support for participation in national and international conferences
5. Excellent career development opportunities and a stimulating international working environment.

Required documents

1. Curriculum Vitae.
2. List of recent top publications in which the candidate is majorly contributed.
3. Reprint of an article that is most relevant to the position.
4. Letter of motivation describing the candidate's research activities.
5. Contact information of 3 referees who may be contacted for an opinion about the candidate.
6. Scan or photocopy of degree or diploma.
7. Consent to the processing of the applicant’s personal data for the purposes of the selection process.

How to apply

Please send applications in English with all required documents in electronic format, combined in a single PDF document, to: work@igr.poznan.pl

Clearly indicate your area of expertise namely plant science, biotechnology, chemistry and nanotechnology in the subject line of the email.

For more information about the project and ongoing research, please visit http://nano-plant.eu. Informal inquiries about the position should be directed to the following email address: fgre@igr.poznan.pl

Selection Process

The documents submitted by applicants will be reviewed by the Selection Committee to determine the applicant's suitability for the position. Potential candidates will be invited for an interview via video conference or in person. The selection process will continue until suitable candidates are identified.

Criteria for evaluating candidates to be hired as postdoctoral fellows:

1. Compatibility of the candidate's experience and skills with the proposed area of study
2. Quality of publications in which the candidate is a first or corresponding author.
3. Number of patents/patent applications and/or implementations (if applicable).
4. Quality and number of research projects and development work led (if applicable).
5. Mobility in their scientific career, including completed scientific internships, change of scientific profile, internships and work in industry.

Announcement of results: As soon as the positions are filled. The first screening on 15-01-2026.

The application must contain the following statement

"I, the undersigned, give my consent to the processing by the Institute of Plant Genetics, Polish Academy of Sciences (hereinafter referred to as IGR PAN) with headquarters at Strzeszynska 34, 60-479 Poznan, my personal data contained in the submitted competition documentation for the needs necessary in the recruitment process, including to put my name and surname in the information on the results of the recruitment carried out on the Institute's website. I have been informed that consent is voluntary and that I have the right to withdraw my consent at any time, and withdrawal of consent does not affect the lawfulness of the processing that was carried out on its basis before its withdrawal. I have also read the IGR PAN information clause."

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 (https://nawa.gov.pl/uznawalnosc/informacje-dla-uczelni/nostryfikacja-dyplomow). These requirements must be met if the candidate is accepted.