



**Director of the Institute of Plant Genetics, Polish Academy of Sciences (IPG PAS) in Poznan announces open competition for three postdoc positions in plant science and related area at the IPG PAS in the framework of Horizon 2020 ERA Chair project (NANOPLANT- GA856961) funded by the EU.**

### **Job details:**

**Number of positions: 03**

**Work place:** Department of Plant Nanotechnology, IPG PAS, Poznań, Poland

**Research fields:** Plant Biotechnology, Phytochemistry and Plant nanotechnology

**Contract type:** Full-time employment for fixed term for 2-3 years, position assistant, adiunct or associate professor depending on experience

**Salary range:** 3200,00 Euro per month (gross)

**Job location:** IPG PAS, Poznań, Poland

**Start date:** As soon as possible

**Deadline:** The selection process will be kept open until a suitable candidate is found. Applications received earlier will be assured of careful consideration.

### **Required Qualifications**

#### **Postdoc 1 (Plant biotechnology):**

1. Ph.D. in plant science, biotechnology or a related field.
2. Proven experience in plant tissue culture and molecular biology.
3. Experience with transcriptome analysis.
4. At least one publication in a reputed journal as first author.
5. Good organizational skills and the ability to work under minimal supervision.
6. Excellent communication skills in English.

#### **Postdoc 2 (Phytochemistry):**

1. Ph.D. in plant science, biochemistry or a related field.
2. Proven experience in phytochemical analysis.
3. Experience with bioinformatics tools and secondary metabolic pathways.
4. At least one publication in a reputed journal as first author.

7. Good organizational skills and the ability to work under minimal supervision.
5. Excellent communication skills in English.

### **Postdoc 3 (Plant nanotechnology):**

1. Ph.D. in plant science, nanotechnology, or a related field.
2. Proven experience in the application of nanomaterials in plant research.
3. At least one publication in a reputed journal as first author.
4. Good organizational skills and the ability to work under minimal supervision.
5. Excellent communication skills in English.

### **Main duties**

### **Postdoc 1 (Plant biotechnology):**

1. Establishment and maintenance of plant cell, tissue and organ cultures in vitro.
2. Plant overexpression, RNAi/ CRISPR-Cas9 vector construction.
3. Plant transformation and molecular confirmation of transgenic plants.
4. Transcriptomic analysis of model and non-model plants.
5. Preparation of high quality scientific articles for publication and presentation of results in seminars and other scientific meetings.
6. Drafting of progress reports.

### **Postdoc 2 (Phytochemistry):**

1. Analysis of plant primary / secondary metabolites using liquid chromatography – mass spectrometry approach.
2. Analysis of data using metabolomics tools.
3. Prediction of secondary metabolic pathways using informatics tools.
4. Preparation of high quality scientific articles for publication and presentation of results in seminars and other scientific meetings.
5. Drafting of progress reports.

### **Postdoc 3 (Plant nanotechnology):**

1. Study nanoparticles / nanoformulations for applications in plants (fertilizer, disinfectant, bio-compost, seed coating etc.).
2. Physico-chemical characterization of nanomaterials.
3. Preparation of high quality scientific articles for publication and presentation of results in seminars and other scientific meetings.
4. Drafting of progress reports.

### **What we offer**

1. A full-time employment contract for the entire life span of the project with a potential for continuation.
2. An attractive pension scheme and health insurance.

3. 36 working days of holidays per year.
4. Generous funding to attend national and international conferences, seminars, short/long-term work visits.
5. Excellent opportunity for career development and a stimulating international working environment.

### **Documents Required**

1. Curriculum vitae.
2. Complete list of publications highlighting the articles relevant to the position applied.
3. Reprint of one article, which the candidate considers the top publication.
4. Letter of motivation describing the candidate's research.
5. The contact details of 3 references who may be contacted for an opinion on the candidate.
6. Scan or photocopy of the higher degree or PhD diploma.
7. Information about career break (if applicable).
8. Experience certificates (if applicable).
9. Consent to the processing of personal data of the Candidate for the purposes of the competition.

### **How to Apply**

Applications in English with all required documents in electronic format, combined in a single file, must be sent to: [work@igr.poznan.pl](mailto:work@igr.poznan.pl)

Clearly indicate the postdoc position for which you are applying (Plant biotechnology, Phytochemistry and Plant nanotechnology) in the subject line of the email.

For more information about the project and ongoing research, please visit <http://nanoplant.eu>. Informal inquiries about the position should be directed to the following email address: [nanoplant@igr.poznan.pl](mailto:nanoplant@igr.poznan.pl)

### **Selection Process**

The documents submitted by the candidates will be evaluated by the Selection Committee for the candidate's suitability for the position. Potential candidate(s) will be invited for an interview via videoconferencing or by visiting IPGPAS. The selection process will continue until suitable candidates are found.

### **Criteria for the assessment of candidates to be employed at the IPG PAS in postdoc positions:**

1. Matching the candidate's experience and skills to the planned field of study.
2. Creativity measured by:
  - a) the quality and number of publications in which the candidate is the first author or corresponding author, as well as the number of citations of the candidate's papers (Web of Science Core Collection) and the Hirsch index;
  - b) number of patents/patent applications and/or implementations (if applicable);

- c) the quality and number of managed research projects and development works (if applicable).
- 3. Mobility in their scientific career, including completed scientific internships, change of scientific profile, internships and work in industry.

**Announcement of the results:** As soon as the positions are filled.

**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-uczelninostryfikacja-dyplomow>). These requirements must be met if the candidate is accepted.