

**IBCH PAS RECRUITMENT PROCEDURE NO. 14/2021/T
FOR SPECIALIST/SENIOR SPECIALIST POSITION**

INSTITUTION: **Instytut Chemii Bioorganicznej PAN
Zakład Sond Molekularnych i Proleków**
CITY: **Poznań**
ADDRESS: **ul. Noskowskiego 12/14, 61-704 Poznań**
TYPE OF POSITION: **specialist / senior specialist**
POSITION AVAILABLE: **1**
SCIENTIFIC DISCIPLINE: **biological sciences / chemical sciences**
DATE OF PUBLICATION: **1 October 2021 r.**
DEADLINE FOR APPLICATIONS: **22 October 2021 r.**
WEBSITE: **<https://www.ibch.poznan.pl>**

Currently, due to the dynamic development of the NEBI project - "National Center for Imaging Research in Biological and Biomedical Sciences", we are looking for a specialist / senior specialist to work with the ultra-high-resolution microscope in MINFLUX technology. The main task of the project is to create a prototype of the stand, its optimization and testing as part of creating a research infrastructure for bioimaging and image analysis at a resolution below 5nm.

Working in the NEBI project offers unique opportunities for scientific development and gaining experience in working with the latest technology, which is the ultra-high-resolution MINFLUX microscope. Our Institute is in possession of this unique - one of the few equipment in the world, which is a huge challenge and opens up great opportunities in the perspective of planned research and cooperation with other research groups around the world. In addition, the site is an important part of the larger infrastructure of the imaging research centre in biological and biomedical sciences, therefore the project plans to connect and ensure compatibility of the ultra-resolution microscopy station with the other sites. We are looking for a person with experience in advanced fluorescence microscopy, optics, imaging and image analysis.

Keywords: microscopy, data analysis, optics, imaging, image analysis, biological chemistry, biochemistry

Responsibilities

- Designing an ultra-high-resolution microscopy stand
- Optimization and control of the optical system, designing measurement procedures
- Designing image analysis, data transmission and storage procedures
- Close cooperation with other employees in order to integrate and match the position with other positions
- Reporting and presentation of results
- Organizational support in the daily functioning of the position
- Adaptation of existing and development of new measurement sequences

I. Candidate's Profile

Required skills:

- A research degree (preferably a PhD but not required) in the field of biology, physics, chemistry or related
- The ability to creatively solve research problems, independent planning, execution and image analysis in the field of high-resolution microscopy
- Knowledge and practical experience with STED and FLIM and / or FCS microscopic techniques
- Knowledge of measurement algorithms in fluorescence microscopy in biological applications

- Knowledge of programming languages used to analyze data, including in particular biological data
- Ability to learn quickly and willingness to learn new techniques and explore biological problems
- Very good command of spoken and written English

Optional:

- Knowledge of fluorescence spectroscopy in the context of microscopic imaging
- Working knowledge of molecular biology and / or analytical chemistry techniques
- Experience in working with the analysis of large amounts of data

II. The application for the competition should include:

1. Application to the Director of ICHB PAN
2. CV.
3. A copy of the diploma confirming obtaining an academic title (master's and / or doctoral degree)
4. Cover letter explaining how the candidate meets the criteria set out in point I. (including information in which activities / projects the candidate developed / used the abovementioned skills)
5. Information about the candidate's experience, especially in the context of the requirements set out in point I, including:
 - a) List of publications (along with information on the Hirsch index I, the number of citations, and with the distinction of publications in journals from the JRC list)
 - b) List of patents and implementations (if any)
 - c) Information on participation in research projects as the main contractor or co-contractor (along with a short description of the project purpose and the candidate's role in the project)
 - d) Information on training and participation in conferences
 - e) Information about awards and distinctions
- f. Information on experience in supervising students and / or technical staff in the laboratory
6. Contact details of people who can provide references
7. Other attachments, e.g. letters of reference, conference abstracts, etc. (optional)

III. Applications for the competition should be submitted via the eRecruiter portal at:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=3eb8e801c77b47a180232dcc24eae201>

If sending by electronic means is not possible, applications sent to the address of the Secretariat of the Institute of Bioorganic Chemistry of the Polish Academy of Sciences - ul. Noskowskiego 12/14, 61-704 Poznań, with a note on the envelope: "Competition for the position of a **specialist / senior specialist – 14/2021/T**. Please do not send original documents.

IV. Submission of applications by **October 22, 2021 (the date of receipt of the application counts)**

V. Selected candidates may be invited to an interview (by teleconference)

VI. The competition will be resolved by **October 31, 2021.**

VII. Employment will take place in accordance with the provisions of the Labor Code.

VIII. The conditions of employment

- Working time: 0.75 and / or full-time, depending on the position
- Salary: depending on position and experience
- Employment for a trial period of 6 months (with the possibility of extension until May 31, 2023)
- Preferred date of commencement of work: **01/11/2021**
- Other (e.g. holiday financing, Multisport card etc.)
- Opportunity to acquire new knowledge and scientific and professional development (including internships, domestic and foreign trainings and conferences)

For additional information, please contact:

dr Jacek Kolanowski (Director of the Center for High-throughput Screening Studies at IBCH PAS)

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phone: 61 852 85 03 ext. 165

***Information clause:**

Pursuant to the stipulations of the regulation (EU) 2016/679 of the European Parliament and of the Council 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 Data Protection Regulation), further referred to as GDPR, we hereby inform that:

- The Institute of Bioorganic Chemistry, Polish Academy of Sciences, seated in Noskowskiego St. 12/14, 61-704 Poznan; REGON 000849327, NIP 777-00-02-062 is the administrator of the collected personal data (further referred to as the Institute).
 - The Administrator appointed a Data Protection Officer, who can be contacted in writing, via traditional mail, by sending a letter to the following address: Z. Noskowskiego St. 12/14, 61-704 Poznan, or by sending an e-mail to: dpo@ibch.poznan.pl.
 - The personal data of the candidates is processed for the purposes of fulfilling the tasks of the administrator, associated with conducting the recruitment procedure for a vacant position.
 - The legal basis for processing personal data is the Act of 26 June 1974 – The Labor Code, Act of 30 April 2010 on the Polish Academy of Sciences or the consent of the person whose data shall be subjected to processing.
 - Your personal data shall be subjected to processing for period of 3 months upon the date of decision of the recruitment committee. Following this period, the data will be irretrievably and effectively destroyed.
 - The personal data of the candidates shall not be transferred to any third country.
 - The person whose data shall be subjected to processing has the right to:
 - o request access to his/her personal data, and to amend it or delete it, pursuant to articles 15-17 of GDPR;
 - o limit data processing, in the events stipulated in article 18 of GDPR;
 - o data transferring, pursuant to article 20 of GDPR;
 - o withdraw consent at any moment, without influencing compliance with the law of the processing that was executed prior to consent withdrawal;
 - o file a complaint to the Inspector General for Personal Data Protection.
- Providing personal data in the scope stipulated in article 22 (1) of the Act of 26 June 1974 – The Labor Code is mandatory, whereas providing data in a broader scope is voluntary and requires consent for its processing.