

IBCH PAS RECRUITMENT PROCEDURE NO. 7/2021/T FOR THE POSITION OF SPECIALIST OR SENIOR SPECIALIST

INSTITUTION:	Institute of Bioorganic Chemistry, PAS, Laboratory of Molecular Assays, Department of Molecular Probes and Pro-drugs
CITY:	Poznań
ADDRESS:	Noskowskiego 12/14
POSITION:	Research Specialist/research Technician
POSITIONS AVAILABLE:	1
SCIENTIFIC DISCIPLINE:	biological sciences/chemical sciences
PUBLICATION DATE:	22.02.2021
APPLICATION DEADLINE:	21st of March 2021
WEBSITE:	https://portal.ichb.pl/en

Keywords: chemical biology, biochemistry, analytical chemistry, cell- biology, assay development, miniaturization, high throughput screening, microscopy, molecular biology, data analysis

The Institute of Bioorganic Chemistry, PAS, in Poznań is a unique, interdisciplinary science center, both on the European and global scale, that hosts studies orchestrating the fields of chemistry, biology and informatics. It prides itself on having modern working space at its disposal, accompanied by very well equipped, professional laboratories, supporting research conducted at its premises. Within the framework of the strategy for the development of interdisciplinary research fields, the Centre for High-Throughput Screening Studies, a unique institution on the national scale, featuring automated, high-throughput screening platform called AGAMEDE, was established. The activities of Centre involve research and commercial services through domestic and international cooperation (e.g. as a *partner site* for the European project EU-OPENSREEN <https://www.eu-openscreen.eu>), aimed at searching for biologically active compounds and their functional mechanisms within biological systems.

In view of the dynamic growth of the Centre of High-throughput Screening Study, we are looking for a motivated person to join our **Laboratory of Molecular Assays**. If you are familiar with basic detection techniques, have experience in running biochemical and/or cell-based assays and are interested in using your know-how for supporting scientific projects from different research fields, this is a role for you! As a **research specialist** (research-technician) you will focus on designing and developing new assays and adjusting the existing ones to the requirements of high-throughput screening (HTS).

We offer you an opportunity to work in a highly collaborative environment with an excellent possibility of developing your scientific knowledge and technical skills. You will have a chance to work with state-of-the-art technologies and equipment, run innovative studies for both, academic and commercial projects, and contributing to generation of new tools for basic research as well as starting points for drug discovery.

Main responsibilities:

- Develop biochemical and cell-based assays for high-throughput screening
- Troubleshoot experimental design and assay optimization
- Carry out miniaturization of current biochemical and cell-based assays into high throughput format
- Work with liquid handlers and high throughput data capture systems
- Work collaboratively with other scientist to build efficient high-throughput integrated automation and data analysis pipelines
- Present data summaries and study conclusions at internal and external meetings.
- Provide organizational aid in the functioning of the laboratory on day-to-day basis

I. Requirements:

Required skills:

1. A degree in biology, biotechnology, chemistry or related field- PhD is preferred but not obligatory
2. Ability to generate creative solutions to research problems, independently design, execute and analyze bioanalytical experiments.

3. Practical understanding of a wide range of assay technologies such as fluorescence (including FRET, AlphaScreen, fluorescence polarization) and luminescence, and experience working with plate readers (practical experience will be an advantage)
4. Hands on experience with biochemical enzymatic/inhibition assays, ideally performed in microtiter plates. Analysis of enzyme kinetic and IC50 determination.
5. Comprehensive knowledge of cell culture and cell-based techniques, experience with fluorescence microscopy and image analysis will be an advantage (but not obligatory).
6. Ability to quickly learn new techniques and technologies.
7. Very good level of English (in speech and in writing)

Desirable Skills

- Experience in working with assay miniaturization and high throughput small molecule screening
- Use of automation/liquid handling
- Experience with biophysical techniques
- Knowledge and practical experience in molecular biology and/or analytical chemistry techniques
- Experience with analysis of high-volume data analysis and/or programming

II. Application should contain:

1. Letter of application to the Director of IBCH PAS
2. CV
3. Copy of diploma
4. Written response to selection criteria (i.e. how does the candidate meet the selection criteria mentioned in point 1, including projects in which the candidate used the above-mentioned skills and HTS screening campaigns the candidate was involved in)
5. Information about experience/achievements in research, teaching and administration, including:
 - a. List of publications (with Hirsh Index and number of citations according to Web of Science index, please underline the manuscripts published in journals from the Journal of Citation Report list)
 - b. List of inventions, patents implementations
 - c. Information about participation in research projects as PI or Co-investigator (together with description of aims and results of the project as well as indication and description of candidate's role in it).
 - d. Information about research trainings and conferences
 - e. Information about awards and distinctions
 - f. Information about experience in a supervision of students and scientific/technical personnel
6. Two letter of reference and/or contact details for scientific personnel who can provide the reference
7. Documents confirming potential breaks in the career

III. Applications should be submitted via the eRecruiter portal:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=b20f061a7aa2495fbf432ece661b2a5c>

- IV. Application deadline is 21st of March 2021 r (date of arrival of the application counts).
- V. Selected candidates might be invited to participate in the additional interview (via teleconference)
- VI. Results will be known by 30th of March 2021
- VII. Employment shall take place in compliance with the provisions of the Labor Code of Poland.
- VIII. Conditions of employment:
 - Full time
 - Remuneration: depending on position and experience
 - Appointment: up until 31.05.2023 (with trial period of 6 months)
 - Others (including e.g. Multisport card and social support schemes)
 - Preferred commencement date: 01.04.2021 or 01.05.2021

Additional Information can be provided by:

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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:

-request access to his/her personal data, and to amend it or delete it, pursuant to articles 15-17 of GDPR;

-limit data processing, in the events stipulated in article 18 of GDPR;

-data transferring, pursuant to article 20 of GDPR;

-withdraw consent at any moment, without influencing compliance with the law of the processing that was executed prior to consent withdrawal;

-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.