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Warsaw, 17th October 2023

WCH.1210-14/2023

An announcement for post-doc position

Post-doc position (formally an **adiunkt** in a group of scientific positions) in the “**Supporting the participation of Polish research teams in international research infrastructure projects**” programme entitled “**Support for Polish EuXFEL users – Supervision, Part II (2022–26)**” financed by National Science Centre in Poland is open for application. Project leader from the University of Warsaw side: **Katarzyna N. Jarzemska**.

The post-doc (adjunct at the Department of Chemistry) will run a research in exact and natural sciences, in **discipline of chemistry / physics** and/or **computing science / data analysis**. Available positions: **1**.

We are looking for motivated candidates:

- with a PhD degree in chemistry or related sciences (required in the first day of work at the latest); *comment – PhD degree can be obtained from the University of Warsaw as well, Polish National Science Centre rules do not apply in this programme;*
- OPTION 1 (spectroscopist): experience in spectroscopy (including lasers) with emphasis on the skills towards extension and modification of the spectroscopic setups (integration of software and hardware components) and data analysis, documented by a publication track, research internships, beamtimes etc.;
- OPTION 2 (programmer): experience in programming with emphasis on Python and C++ languages, knowledge of the HDF5 formats, skills on CUDA programming and data analysis, documented by a publication track, published software etc.;
- ability to work in a team;
- good spoken and written English;
- knowledge / experience in crystallography, solid-state physics and/or X-ray science is an asset.

General comment – above-given two options may overlap (see also main duties below).

The candidate must meet the requirements of art. 113 of the Act – Law on Higher Education and Science dated July 20, 2018 (Polish Journal of Laws of 2023, no. 742).

Main duties:

- OPTION 1 (spectroscopist): conducting spectroscopic measurements with emphasis on luminescence spectroscopy in solution and solid state (including time-resolved techniques, nanosecond time resolution), transient absorption spectroscopy in solution and solid state (nanosecond time resolution), conducting static UV-Vis and FTIR static spectroscopy experiments; assistance of the users of the UW XFEL Centre of Excellence regarding their research projects;
- OPTION 2 (programmer): writing / modification of scientific software needed for spectroscopic / synchrotron / XFEL data analysis (collecting and treatment of the data from the available detectors and scientific setups, hardware control, statistical data analysis etc.) ; assistance of the users of the UW XFEL Centre of Excellence regarding their research projects;



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- participation in experiments at synchrotron / XFEL sources;
- keeping scientific documentation – data analysis and preparation of reports;
- participation in preparation of scientific publications and presentation of results.

Required documents:

- brief Curriculum Vitae (CV) (1-2 pages);
- motivation letter;
- contact data to 2 persons who may prepare an opinion about the Candidate;
- list of Candidate's scientific publications, oral conference presentations and scientific internships;
- information on the processing of personal data (the template available at: <http://www.chem.uw.edu.pl/oferty-pracy/>);
- declaration of reading and acceptance of the rules for conducting competitions at the University of Warsaw (a template available at: <http://www.chem.uw.edu.pl/oferty-pracy/>).

We offer:

- a temporary contract with the University of Warsaw (full time position/employment contract) **from 1st February 2024 till 31th December 2024** (with a possibility of extension of up to two years – till **31th December 2026**);
- **remuneration: 120,000.00 PLN** annually (including taxes and employer costs)

Please submit the documents **no later than 17th December 2023** to:

katarzyna.jarzemska@uw.edu.pl (only PDF files are accepted). E-mail entitled: "XFEL_NADZOR_II_Surname".

Interviews with selected candidates will be held on-line within the following dates: 2nd–5th January 2024.

The results of the competition will be given by e-mail till **8th January 2024**.

The competition is the first stage of the employment procedure as an academic teacher, and its positive outcome is the basis for further proceedings.