



UNIwersytet
Warszawski

Wydział Chemii



Warsaw, 16.12.2021

WCH.1210-15/2021

An announcement for post-doc position

Position of post-doc (adiunkt) (a group of science positions) in the OPUS-LAP project entitled "3DED-QCr: Three-dimensional electron diffraction meets quantum crystallography" financed by the National Science Centre, Poland is open for application. Project leader: prof. dr hab. Paulina M. Dominiak. International partner: prof. Lukáš Palatinus.

The post-doc (adiunkt w grupie pracowników badawczych) will run a research in exact and natural sciences, in discipline of chemistry. Available positions: 1.

We are looking for motivated candidates:

- with a PhD degree in exact or natural sciences with preference for chemistry – hold at the first day of the contract (applications from PhD students are accepted),
- good knowledge of written and spoken English
- experience in (quantum) crystallography OR/AND transmission electron microscopy proven by scientific article publications
- experience in computational chemistry OR/AND in high-resolution x-ray diffraction charge density measurements
- basic programming skills OR/AND practical experience in script usage/writing
- experience with sample preparation for 3D electron diffraction (microED) measurements and structure refinement against electron diffraction will be an advantage
- well-developed analytical skills
- written and spoken presentation skills
- ability to work as part of a team

The candidate must meet the requirements of art. 113 of the Act - Law on Higher Education and Science dated July 20, 2018 (Journal of Laws of 2021, item 478).

Main duties:

- running research on improving 3D electron diffraction data analysis by using better scattering factors: TAAM refinements, dynamic 3D ED refinements, periodic DFT calculations, sample preparation and 3D ED data collection. For more details see <https://ncn.gov.pl/sites/default/files/listy-rankingowe/2020-09-30apsv2/streszczenia/497403-en.pdf>
- keeping scientific documentation, supervision junior members of the research team

We offer:

a temporary contract with the University of Warsaw (full time position/employment contract) starting from **March 2022**, for 24 months, with a possible extension up to **36 months** depending on the candidate qualifications. It is allowed to start work at a later date for important reasons.

Required documents:

- Curriculum Vitae (CV including list of scientific articles, conference presentations, awards, international internships, scholarships, workshops, participation in research projects),
- a motivation letter (What are your scientific interests? What are your key strengths and achievements? Why do you want to work in the project?),
- two dedicated to this announcement recommendation letters (at least one from direct supervisor) sent by the referees directly to prof. Dominiak (pdomin@chem.uw.edu.pl),
- 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/>).

Please submit the documents **no later than 15.01.2022** to: **pdomin@chem.uw.edu.pl** (PDF is the preferred format). E-mail entitled: "3DED-QCr post-doc position"

Only candidates who submit complete documentation will be considered in the recruitment procedure. Selected candidates may be invited by e-mail, no later than **19.01.2022**, to participate in the interview. In the case of not signing the contract by the candidate, due to the resignation, we reserve the right to choose the next candidate from the ranking list. The competition may be repeated until a suitable candidate who fulfils all requirements is found.

The results of the competition will be given by e-mail till **31.01.2022**.

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