

UNIVERSITY OF PARDUBICE, Faculty of Chemical Technology

Is seeking 1 researcher for the position of a

SPECIALIST IN ADVANCED PREPARATION OF HYBRID MATERIALS FROM MOLECULAR PRECURSORS - POSTDOC

Research area:

Inorganic, organometallic and theoretical chemistry

Job description:

Synthesis of molecular precursors, sophisticated preparation of advanced hybrid materials, their characterization and applications. Preparation of both homo- and heterometallic clusters, inversion coordination compounds, anchored pseudohalogen agents and oligomers or polymers based on self-assembly of isoindoline skeletons, and its utilisation in non-linear optics, optoelectronics, catalysis and surface protection of materials.

The Postdoc will carry out synthesis of precursors and provide their characteristics, as well as analyze new materials and evaluate their structure and qualities, by spectroscopic techniques such as NMR and EPR spectroscopy, diffraction techniques as well as theoretical methods. Deep knowledge of desired methods as well as broad skills of synthetic work in an inert atmosphere is assumed.

The Postdoc will be obliged to organise a seminar/workshop for his/her colleagues or other scholars on research achievements, experience from abroad, possibilities of cooperation etc.

Goals and expected contribution:

Extending the use of synthetic and theoretical chemistry methods onto new areas as well as transferring relevant knowledge and experience.

The applicant is required:

- To be a postdoc, i.e. research worker within 7 years of gaining the PhD or its equivalent¹ (ISCED level 8) to the date of February 26th, 2018 and
- Within the last 3 years (to the date of February 26th, 2018) held a research position outside the CR extending to at least 50% of the full-time workload for at least 2 years, or was a PhD student abroad, and
- To demonstrate publication activity by submitting list of his/her publications (listed in the databases Thomson Reuters Web of Science, Scopus or ERIH PLUS, types of publications including "article", "book chapters", "letter" and "review") – at least 2 items within the last 3 years (to the date of February 26th, 2018),
- To be experienced in synthesis and characterisation of precursors and materials, evaluation of their structure and qualities through methods of structural research and theoretical chemistry,
- To have excellent knowledge of the English language (written as well as spoken).

Successful applicants should not have any type of employment at another university or other institution. Any exception from this rule must be based on an application submitted during the selection process.

Job location:

University of Pardubice, Faculty of Chemical Technology, Department of General and Inorganic Chemistry, Pardubice, Czech Republic

We offer:

- Fixed term contract for 24 months
- Expected contract start on June 1st 2018
- Full-time contract (8 hours/day, working hours 8:00 – 16:30)
- Gross pay per month: 63.151,-- CZK
- Employee benefits – paid holiday, subsidised meals
- Pleasant working environment, training

¹ The stated time limit may be extended by a period spent by the applicant on maternity leave or sick leave longer than 90 days, caring for a family member (more than 90 days), sabbatical, or military service.

The application must contain:

- Application form (filled in)
- Professional CV
- PhD Diploma, or its nostrification
- Certificate of an English language exam – passed as a part of study or a declaration of a passed English language exam from the institution granting the PhD. Degree²
- Documents proving the applicant's scientific experience outside the Czech Republic
- List of publications concerning the last 3 years (to the date of February 26th, 2018)
- List and a brief description of funded research projects and grants (national and international) in which the applicant participated within the last 3 years (specifying the source of funding, position in the project and level of involvement – e.g. number of person-months), to the date of February 26th, 2018
- List of internships (abroad, in the sphere of application) within the last 3 years (to the date of February 26th, 2018) and their brief description
- Cover letter incl. the specification of the applicant's contribution to the new workplace
- Brief description of the applicant's current research incl. its relevance and usefulness for the field of study
- Reference of a previous supervisor or head of research team in which the applicant participated

All the above documents will be submitted in English. The diploma or its nostrification and the Certificate of English language examination can be submitted in Czech or Slovak. Documents in a language other than Czech, Slovak or English, must be submitted in a certified translation into one of these languages. Simple copy (printed or electronic) is sufficient for this selection procedure.

Applications including the attachments are to be sent in at the latest by February 26th, 2018 in electronic form to the address libuse.cermanova@upce.cz or in printed form to the postal address:

Ing. Libuše Cermanová

Univerzita Pardubice

Studentská 95

532 10 Pardubice

(Please write "Do not open – selection procedure" on the left side of the envelope)

Selection procedure, selection criteria and their evaluation:

Enclosed file

Information about the results of the selection procedure will be published on the University of Pardubice website (<https://www.upce.cz/en>). You will also be notified of the results in writing (by e-mail and by post) and you will receive your personal protocol. This protocol will include the description of the process of appeal with its time schedule.

Time schedule of the selection procedure:

Submission of the required documents: till February 26th, 2018

Evaluation: till March 12th, 2018

Notification of results and publication of results on the University of Pardubice website: on the date of March 19th, 2018

This position is sought for the project International Mobility of Research Workers at the University of Pardubice submitted as a part of the Operational Programme Science, Development and Education no. 02_16_027.

² Does not concern applicants whose mother tongue is English.