



DEPARTMENT OF CHEMISTRY

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Applications are invited for a **Postdoctoral Research Associate** position to work in collaboration with Prof. Miłosz Pawlicki on a project funded by the NSC (National Science Centre) Poland for a period of up to 24 months and entitled: ***Doping of polycyclic aromatic compounds via a macrocyclic motif***

Salary: 120 000 PLN/year

Closing date for applications: 30 September 2020 (00:00 midnight)

Interview dates: 5 and 6 October 2020

Start date: 4 January 2021

Relevant publication: ANIE **2019**, 58, 10946 (<https://doi.org/10.1002/anie.201904819>)

The core aim of the research programme is to find and optimize new synthetic paths for formation of highly delocalized and conjugated compounds with imprinted macrocyclic motif predefined for entrapping electron deficient and/or electron rich elements. Investigation will be focusing also on potential switching behaviour triggered by a fundamental initiator (redox process and/or protonation/deprotonation) with a view to discovering fundamental science and harnessing the properties for practical technologies.

This post will be based in the Department of Chemistry, University of Wrocław and will focus on synthesis of strongly coupled and significantly delocalized derivatives with a macrocyclic structural motif initially focusing on monomers and transferring the gathered knowledge to 2D π -extended structures with drastically modified optical properties controlled by fundamental initiators (redox, protonation/deprotonation itp.). The project balances on the interface of several disciplines but focuses on organic synthesis and spectroscopy with intensive involvement of theoretical prediction of properties.

You should either already have a PhD in Chemistry or closely related discipline or have submitted your thesis prior to taking up the post. The post will be based in the Department of Chemistry, University of Wrocław, F. Joliot-Curie 14, 50-383 Wrocław, Poland.

If you are interested do not hesitate to write email and ask a question about these posts. You can also directly apply for this role by contacting Prof. Miłosz Pawlicki at: milosz.pawlicki@chem.uni.wroc.pl. The application has to contain a CV with a detailed description of your hitherto scientific experience and achievements, motivation letter, relevant transcripts (if available), contact details of three individuals wishing to write a supporting letter (one of them should be the last scientific mentor).

The post is available from January 2021 but because of significant complications with travelling and more problematic applications for visa for entering Poland we are starting the recruiting procedure earlier. The closing date for applications is 30 September 2020 (midnight). Only applications received before midnight on 30 September 2020 can be considered.

We have also in our research lab an opening for two Ph.D. positions in the same project for a period of 48 months. For more details please contact Miłosz at milosz.pawlicki@chem.uni.wroc.pl

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