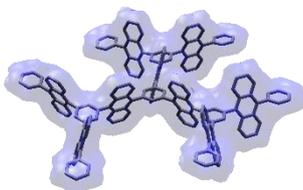




UNIVERSITY OF  
GOTHENBURG

## Post Doc scholarship available in covalent organic frameworks at the University of Gothenburg, Sweden

Nanostructured materials made from highly controlled synthetic and supramolecular chemical reactions are becoming increasingly important to solve the challenges related to energy storage and clean air. An upcoming material that already has shown a high potential in many of these aspects is the covalent organic framework (COF), which is a metal free, lightweight development from the metal organic framework.



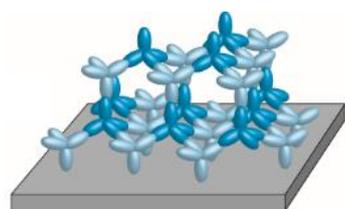
The Börjesson group has developed a novel method to synthesise smooth, self-supporting, crystalline covalent organic frameworks. As a Post Doc scholar, you will take advantage of the developed method, perfecting it, and finding new applications within the context of COF membranes. You will work independently as well as in a team, specialised on COFs.



The successful applicant should have a background in materials chemistry or similar. Previous experience within applications, characterisation, and synthesis of COF or MOF is a strong merit, as well as experience in other areas relevant to COF applications such as photoelectrochemical cells, optoelectronics, catalysis, and sensing.



In the Börjesson group, we construct molecules or molecular based systems that are able to perform highly specialized functions to be used within material sciences. The competence of the group involves both the synthesis of complex molecules and the photophysical/electrical characterization of the molecular based systems. The group is supported by a number of prestigious grants, including an ERC stg, and a Wallenberg Academy Fellow grant, and regularly publish in high impact journals.



### *How to apply*

Written application, including reference number (E 2018/581), is to be sent to [karl.borjesson@gu.se](mailto:karl.borjesson@gu.se) and must include the following:

CV, Personal letter stating the reasons why the study suits the applicant, List of publications, and contact details of two references.



### *Additional information*

- Visit our homepage for more information about the molecular materials group: [www.molecularmaterials.se](http://www.molecularmaterials.se)
- Application deadline: 23<sup>rd</sup> of November.
- The scholarship covers a period of 12 months with possibility of prolongation up to a maximum of 24 months in total.
- Start date according to agreement, but earliest February 2019
- Size of scholarship: 23 000 SEK/month
- Scholarships do not give rise to sickness benefits, compensation from the Social Insurance Office or retirement pension.
- The scholarship sum is paid out quarterly.
- Scholarships are tax-exempt.
- A scholarship holder cannot be hired at the University of Gothenburg after the scholarship period due to tax reasons.

