

Postdoctoral scholarship holder electrochemical engineering

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Company: Universiteit Antwerpen

Location: Antwerp

Category: architecture-and-engineering

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The research group in the Faculty of Applied Engineering is looking for a **full-time (%) postdoctoral scholarship holder in the field of electrochemical engineering.**

Position

You will carry out high-quality scientific research in the research fields of electrocatalysis, electrosynthesis and electrochemical reactor technology. More specifically, you will be responsible for the successful completion of the research project with Agfa on water electrolysis, where ELCAT's main task is to design, develop and test an electrolyzer for the production of hydrogen. Your task is to help set up this research branch within ELCAT and guide PhD students working within this field.

You will report on the results of your research and produce academic publications.

You will assist in ongoing research projects and the activities of the research group.

You will contribute to attracting national and international research funding.

You will assist in the supervision of PhD students and other team members.

If necessary, you will fulfil a limited number of teaching activities.

You will participate in the provision of academic services: you will represent the research group both internally and externally.

Profile

You hold a PhD in (Bioscience) Engineering, Applied Engineering or equivalent (or you will have obtained it by the time you start work).

Your research qualities are in line with the faculty and . You have relevant research experience in the field of electrocatalysis and/or electrochemical reactors. Knowledge of CO₂ capture/conversion and/or nitrate/nitrogen conversion is an added value.

Your teaching competences are in line with the University of Antwerp's .

You act with attention to quality, integrity, creativity and cooperation.

You can speak and write fluently in English.

You are able to carry out your work and achieve your objectives with a high degree of independence.

You can present excellent study and research results.

You have knowledge of national and international fundraising. Experience in writing project proposals is an asset.

Experience in supervising PhD and/or masters students is an added value.

What we offer

We offer a full-time appointment as a postdoctoral scholarship holder for a period of 12 months, renewable after positive evaluation;

The planned start date is as soon as possible.

Your monthly scholarship amount is calculated according to the for postdoctoral scholarship holders on the pay scales for contract research staff (Dutch: Bijzonder Academisch Personeel, BAP).

You will do most of your work at Campus Drie Eiken in a dynamic and stimulating working environment.

Find out more about working at the University of Antwerp .

The selection committee will review all of the applications as soon as possible after the application deadline. As soon as a decision has been made, we will inform you about the next steps in the selection procedure.

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