Karlsruhe Institute of Technology

Post Doctoral Researcher

Job Description:

Novel Membrane Materials & Systems for Micropollutant Removal

The IFG-Membrane Technology Department was established in March 2014 and has access to state-of-the art research facilities within the National Research Centre of the Helmholtz Association. As a postdoc you will be responsible to establish a research group within one of the three main interest areas of the department (i) new membrane materials, (ii) membrane retention and fouling mechanisms, and (iii) membrane systems development – applied to water treatment.

This entails the planning and execution of research projects, set-up of required membrane filtration systems and development of relevant analytical methods. In addition, cooperation with internal and external partners, data acquisition and analysis, publication in peer reviewed high impact journals as well as student supervision are part of the responsibilities. Contribution to teaching within the Faculty of Chemical and Process Engineering will be possible. Research funding is sought from national and international funding bodies.

The position is not bound to a particular project and hence provides excellent possibilities for the career development of a researcher.

Qualifications:

PhD in Chemical/Process/Environmental Engineering/Applied Science or equivalent

You have completed a PhD and demonstrated independent research skills through publication in peer reviewed international journals and have experience with the preparation of research funding proposals. Experience with water treatment processes, membrane technologies, polymer materials, analytical chemistry, micropollutant detection and environmental issues will be a good foundation to the position, although candidates with a stronger foundation in membrane material synthesis or micropollutant specific analytical chemistry skills lacking applications experience will equally be considered.

Affiliation:

KIT - Institute of Functional Interfaces (IFG) – Membrane Technology
c/o KIT Campus North
Hermann-von-Helmholtz-Platz 1
76344 Eggenstein-Leopoldshafen, Germany

https://www.ifg.kit.edu/english/3803.php

Deadline: Applications will close 4 July 2014 (enquiries welcome until filled)

Duration: Initially one year with the possibility to extend

Salary: Remuneration shall be based on the Collective Agreement for the Public Service Sector.

Start Date: As soon as possible

Contact: Prof. Dr.-Ing. Andrea Iris Schäfer, Tel +49(0)721/608-26906, Andrea.Iris.Schaefer@kit.edu
Professor of Water Process Engineering - Faculty of Chemical and Process Engineering
Head of Membrane Technology Department - Institute of Functional Interfaces (IFG)

Applications: Please send applications with CV, publication list, academic transcripts, degree certificates, contact details for three references and a detailed research plan for the position to the Human Resources department attention of Patrick Dolzinski with the position reference 298/2014. Email: patrick.dolzinski@kit.edu