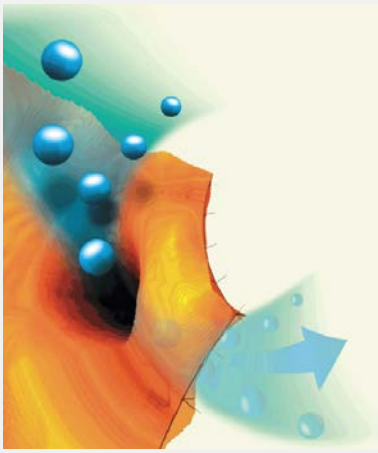
Karlsruhe Institute of Technology

Group Leader

Project

The Membrane Technology Department at IFG (IFG-MT) was established in March 2014 and has access to state-of-the art research facilities within KIT - the Research University of the Helmholtz Association.

The research vision of the Membrane Technology Department is 'safe water for all children'. The approach is interdisciplinary and international, with an emphasis on research excellence and enabling of academic development of team members.



As a group leader you will be responsible to establish a research group within one of the four main interest areas of the department (i) new membrane materials, (ii) membrane retention and fouling mechanisms, (iii) membrane systems development – applied to water treatment, and (iv) multiscale modelling of membrane materials and processes.

The position entails the planning and execution of research projects, and writing of funding proposals for both national and international funding agencies (English & German). Cooperation with internal and external partners (including industry), data acquisition and analysis, publication in peer reviewed high impact journals as well as student supervision are part of the responsibilities. A small contribution to teaching within the Faculty of Chemical and Process Engineering is expected.

The position is not bound to a particular project and hence provides excellent possibilities for the career development of a researcher. State-of-the-art laboratories were opened in March 2019.

Qualifications

You hold a PhD in Chemical, Process, Environmental Engineering, or equivalent and have had a number of years of postdoc experience. You are a naturally curious person who is eager to learn more and has evidenced interest in research leadership. Experience with membrane filtration systems (of any scale) is a requirement, as well as proven track record in student supervision, research publication and research funding. Experience focused on several of relevant topics of water treatment process design, polymer material development, membrane modelling, analytical chemistry, micropollutant detection and environmental issues will be a good foundation for the position. An outstanding publication and research funding track record are required.

Excellent English language proficiency is essential, German language skills are strongly desired.

Contract

TvOD E14, 100%, initially for 3 years with the expectation to extend and develop an academic career (e.g. junior professorship/habilitation/professorship).

KIT

KIT is one of the biggest research institutions worldwide and has access to state-of-the art research facilities resulting from the merger of the National Research Centre of the Helmholtz Association and the former Technical University of Karlsruhe. This position is in the Membrane Technology Department at the Institute for Functional Interfaces (IFG-MT) with an affiliation to the Faculty of Chemical and Process Engineering.

Contact

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Applications

Please send applications with CV, publication list, motivation letter that addresses your motivation and position requirements, academic transcripts, degree certificates, contact details for three references, language certificates and a preliminary research plan and vision for the group to Andrea I. Schäfer by **31 July 2019**.