



The Institute of Functional Materials and Biofabrication at the Faculty for Chemistry and Pharmacy of the University of Würzburg and the Fraunhofer Society are looking to fill the joint positions of

Professor and Chair for Chemical Technology of Materials Synthesis W3, m/f/x)

and

Director of the Fraunhofer Institute for Silicate Research ISC

starting on April 1, 2024.

The Faculty of Chemistry and Pharmacy at the Julius-Maximilians-Universität Würzburg encompasses the entire breadth of basic chemical research, from molecular synthesis chemistry to materials characterization, and would like to further develop its cooperation with non-university research institutions. The recently founded Institute of Functional Materials and Biofabrication (IFB) covers the full range of chemical materials research. Areas of focus include sustainable material developments, strategies for recycling and decomposition as well as technical applications in resource-saving energy generation, nanomaterials in drug delivery, and suitable biomaterials for production in 3D-printing and biofabrication towards applications in tissue replacement materials and transplants.

Together with the Chair of Macromolecular Chemistry, the Chair of Functional Materials in Medicine and Dentistry and the Chair of Tissue Engineering and Regenerative Medicine, the open professorship is embedded in the collegial management of the IFB. The call is addressed to internationally recognized scientists whose research focuses on the development and application of sustainable, energy-relevant materials. A willingness to constructively participate and cooperate within the IFB, with other material and natural science research groups at the University, especially within the Faculty of Chemistry and Pharmacy and the University Hospital, as well as with non-university research institutions is required. In addition, involvement in the further development of the Functional Materials and Chemistry degree programs is expected.

The professorship is associated with the management of the Fraunhofer Institute for Silicate Research ISC, which includes the scientific/technical as well as the business management and development of the Institute within the Fraunhofer model and the overall Fraunhofer strategy.

Complementary topics of Fraunhofer ISC are materials with high added-value for efficient energy generation, sustainable use of resources and individual health care. The institute concentrates its research activities on the areas of energy, environment, and health. The development of inorganic-organic hybrid materials and their process engineering are in the foreground. The Fraunhofer Center for High Temperature Materials and Design in Bayreuth works in the field of ceramic materials for high-temperature applications on a pilot plant scale for the aviation and automotive industries. At the Translational Center for Regenerative Therapies and the Fraunhofer Project Center for Stem Cell Process Engineering at Fraunhofer ISC, application-oriented research and development projects are carried out in the field of stem cell-based tissue engineering for use as preclinical in vitro test systems or implants in regenerative medicine.

The university professorship is expected to provide an appropriate basis for basic research relating to the topics of Fraunhofer ISC's applied research endeavors. In this respect, the professorship competently represents the main topics in research and teaching as well as in research and technology management vis-à-vis public research funding organizations and research participants in industry and academia.

Applicants are expected to bring experience in leadership, strategic planning, acquisition and implementation of research and development projects in various fields and attracting third-party funding as well as competencies in increasing the efficiency of development processes and in utilizing technology. International work and teaching experience as well as experience in international projects and scientific-political connections are an advantage.

Candidates should have a relevant university degree, pedagogical aptitude, a demonstrated ability for scientific research as usually proven by an excellent Doctoral degree, as well as additional scientific achievements, as explained in more detail in Art. 57 Para. 1 Sentences 3 and 4 BayHIG.

According to Art. 60 Para. 3 BayHIG, an appointment to civil service can only be made up to the age of 52. Exceptions are possible in certain cases. The University of Würzburg attaches great importance to an intensive supervision of students and doctoral candidates and expects from its lecturers a corresponding commitment and didactic suitability, possibly through participation in the European university alliance CHARM-EU.

A wide range of projects with a high level of practical relevance and a great deal of creative freedom in research await the successful candidate. The University of Würzburg and the Fraunhofer Society pursue a family-friendly personnel policy and offer their employees flexible working hours and support services to help them balance their professional and private lives. The University of Würzburg and the Fraunhofer Society aim to increase the proportion of women in research and teaching and therefore expressly encourage qualified female scientists to apply. Severely disabled applicants will be given preference in the case of equivalent qualifications.

The University of Würzburg and the Fraunhofer Society value and promote the diversity of their employees and therefore welcome all applications - regardless of age, gender, nationality, ethnic and social origin, religion, ideology, disability, or sexual orientation and identity.

Applications should be sent, preferably electronically as one PDF file, with the appropriate documents (CV, lists of publications and courses held, certificates of academic examinations and appointments, planned teaching and research projects, 10 most important publications, xls-File) by 24.09.2023

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Information regarding the collection of personal data during the Fraunhofer Society's application process can be found at <https://recruiting.fraunhofer.de/Vacancies/22883/DataProtection/1>.