Job vacancy No. 016-2021

The IPF-Institute of Biofunctional Polymer Materials is looking for a highly motivated PostDoc (m/f/d),

40 hours/week to work on the project “CHIPIN - Tissue-engineering the tumour microenvironment to improve treatment of pancreatic cancer”

The Leibniz Institute of Polymer Research Dresden (IPF) is one of the largest polymer research institutions in Germany, with 5 departments and over 470 employees. The research program is placed in the Institute of Biofunctional Polymer Materials, which focuses on matrix engineering, cell-material and host-material reactions, stimuli-responsive nanomaterials, biomolecular devices and oncomechanics.

Description:
We are looking for a PostDoc to work on engineering a microfluidic device to study the cellular and molecular interactions within the fluidic tumour microenvironment, with a focus on the metastatic cascades of pancreatic cancer. The postdoctoral researcher will help lead efforts as part of the PI’s recently funded ERC Consolidator Grant “CHIPIN”. The project involves 3D approaches that mimic the matrix dynamics, tissue composition and biomechanical properties of patient tumours and their application as metastatic models and for drug discovery. The research involves organ-on-a-chip models, dynamic 3D co-cultures and state-of-the-art biofabrication techniques.

Your profile:
We are looking forward to receive applications from highly motivated scientists. Applicants should hold a master in bioengineering, biotechnology, materials science, or a related field, as well as a PhD in this scientific area, with a record of peer-reviewed publications in scientific journals. Applicants should have a documented expertise in tissue engineering, microfluidic devices, additive manufacturing and cell culture. Applicants should have the legal right to work in the EU. The scientist in this position is expected to work independently but collaboratively with other team members and other research groups. Well-developed planning and organisational skills, with the ability to prioritise multiple tasks, setting and meeting deadlines are essential. Good communication skills for scientific writing and discussions and proficiency in English are mandatory.

We offer:
A position in a leading research institute, combined with a highly specialised working environment where you can implement your own ideas and work with a diverse and inclusive team and our international partners.

Salary: According to German pay grade TV-L EG 13
Starting date: May-June 2021
Duration: 2 years with option for contract extension

The personal data collected by the IPF relating to your application, as well as the evaluation thereof shall be processed exclusively for purposes of the application process on the basis of contractual measures under Art. 6 (1b) GDPR. These data shall not be transferred to third parties. Recipients shall comprise the employees responsible, the Works Council as well as, where applicable, the representative body for disabled employees and the equal opportunities officers of the IPF. Your application details provided to us shall be deleted by us 6 months after the end of the application process, i.e. either after the job advertised has been filled, or after we have decided not to fill the vacancy after all. For questions under data protection law and for exercising your rights, please contact: datenschutz@ipfdd.de (data protection officer). You have the right to complain to the supervisory authority.

Full applications should include a curriculum vitae, a 1-page letter of motivation, certificates, a list of publications, 2-3 references and expected availability date and should be emailed as a single PDF file to otto-susanne@ipfdd.de. Don’t forget to indicate the number of the Job vacancy!

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