Job posting

Type of position
☒ scientifc
☐ administrative

Target group
☒ graduates
☒ post docs
☒ other

Title
SCIENTIST (M/F/D)
MOLECULAR AND TRANSLATIONAL TOXICOLOGY

Institution
RESEARCH AND DEVELOPMENT
FROM IDEA TO PROTOTYPE

Our institute ranks among the largest and most modern institutions in the field of low-temperature plasmas worldwide. In an international working environment, we conduct socially relevant research within our core areas Materials & Energy and Environment & Health. Currently the INP employs about 200 scientists and staff at three locations (Greifswald, Rostock and Karlsruhe).

Position
For our life science team at ZIK plasmatis “Plasma-Redox-Effects” the INP is seeking to hire - subject to the future commitment of funds - as of July 1st 2020 a proactive and highly motivated

SCIENTIST (M/F/D)
MOLECULAR AND TRANSLATIONAL TOXICOLOGY

Fixed term contract for 30 months / Full-time appointment (40 hours/week) / Target salary: TV-L (pay scale area East)/E13

Responsibilities
The research project will focus on the consequences of synthetic or semi-synthetic organic compounds in epithelial and endothelial cells in vitro and in vivo. One aspect is the extensive analysis of these compounds on modulating the cells’ phenotype, gene expression patterns, surface molecule repertoire, and inflammation-related mediators in vitro. Molecular biology will be used to dissect the signaling pathways related to the potentially toxic compounds during short and long term culture. The second aspect aims at performing chicken and rodent-based models hands-on to investigate the potential toxicity, inflammatory consequences, and short and long-term side effects of the administered compounds. Based on these models, the third aspect is to use in vivo imaging tools and tissue processing and staining techniques to provide a solid understanding of the pathological consequences observed with the compounds. This will also involve preparing and managing a sample and tissue library that will be supplied to project partners for further opto-physical analysis. The applicant will also in general contribute to managing the in vitro culture and animal
experiments as well as their analysis in the project.

Requirements

- University degree as Master of Science in Biology or comparable disciplines
- Previous scientific work focusing on inflammation research
- FELASA-B certificate and ability to work with animal models
- Solid expertise in biomedical research techniques related to cells and rodent models, preferably in fluorescence microscopy and flow cytometry
- Proven experience in cell culture and molecular biology
- Preferably, technical know-how on tissue isolation, tissue sectioning, tissue staining, and tissue imaging
- Experience in working in a multi-project laboratory environment
- Flexibility, dedication, detail-orientation and top teamwork competency but also ability to work independent
- Ability to manage several staining projects independently while keeping deadlines
- Great extent of communication towards each of the team members

Application procedure (deadline etc.)

OUR OFFER FOR YOU:

- Compensation according to collective salary agreement of Länder (TVL, pay scale area East) including employer contributions to medical and dental insurance, maternity leave and retirement benefits
- Creative working environment
- State-of-the-art technical facilities
- Networking opportunities at national and international conferences and in cooperation with national and international industry partners
- Possibility of designing and implementing own project ideas
- Internal laboratory tours (“What do the colleagues do?”)
- In-house German course free of charge
- Flexible working hours and home-office offers
- Family Office
- 30 vacation days per year (plus: December 24 and 31)
- Sports courses in our institute rooms
- Staff kitchen

ABOUT INP
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For further information, please visit our website at www.leibniz-inp.de.

**HOW TO APPLY**
Please apply with the standard documents (cover letter, CV, list of publications, description of research and methods experience (1 page), copies of academic degrees and letters of reference) giving the keyword „0349 Scientist ZIK-PRE“: preferably via our online application form - until June 25th 2020.

Your performance and personality matter regardless of your age, origin, gender, sexual identity, disability, or ideology. We look forward to receiving your applications!

**Contact**
For further information, please do not hesitate to contact Dr. Sander Bekeschus (e-mail: sander.bekeschus@inp-greifswald.de).

Please send your applications to*:
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Mrs. Gabriele Lembke
Human Resources Department
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* Unfortunately, we cannot refund any expenses associated with the application or job interview due to budgetary regulations.