

RESEARCH AND DEVELOPMENT FROM IDEA TO PROTOTYPE

For our research team we are seeking to hire in Greifswald, Germany, **starting at the earliest possible date** as

HEAD (F/M/X)
OF RESEARCH PROGRAMME BIOACTIVE SURFACES

Full-time job (40 hours/week) / Target salary: TV-L/E14

YOUR KEY RESPONSIBILITIES:

You will be responsible for the scientific and administrative management of the research programme 'Bioactive Surfaces'. You will lead and be a part of a highly motivated team of scientists, engineers and technicians in the fields of physics, chemistry, biology, materials science and materials technology. Modern, extensive and highly specialized laboratory and diagnostic equipment are at your disposal. Current research activities include the development of plasma-supported processes for the modification of surfaces and materials for applications in the following areas:

- i) Medical technology (e.g. cleaning, functionalization or coating of implants to control the cell-surface interaction)
- ii) Biotechnology (e.g. modification of surfaces to immobilize enzymes, bacteria or cells for biocatalytic systems or development of polymeric surface coatings for cell culture materials)
- iii) Diagnostics (e.g. development of novel functional layers or surface modifications for the design of biosensor platforms).

The spectrum of your tasks ranges from basic and applied research to technology transfer in industry, which includes:

- Development and consolidation of the strategy of the research programme with focus on attractive scientific and application-oriented topics. There will be also the chance to set up an additional junior research group. For this, please suggest appropriate topics in your application.
- Open up new industrial fields of application;
- Apply for appropriate third-party funding from the public sector and industry;
- Development and maintain contacts with recognized domestic and foreign institutes and industrial cooperation partners;
- Management of ongoing projects in cooperation with the project leaders;
- Commitment to your own research activities;
- Demonstration of a proven track record by academic publications, conference presentations, etc.

YOUR PROFILE:

- Successfully completed university studies (master's or diploma) as well as a doctorate, preferably in physics, chemistry, biology, engineering, materials science, environmental science or comparable subject areas
- Experience and knowledge in the area of surface modification are necessary; further knowledge of plasma technology is an advantage
- Links to one or ideally several of the following areas: surface modification / coating (PECVD, sputtering, etc.), Surface analysis (XPS, AFM, SEM, etc.), Surface structuring, HiPIMS, plasma spraying, plasma printing, plasma polishing etc.

- Several years of leadership and project management experience
- Proven expertise through project work and publications
- Industry experience is an advantage
- High level of commitment
- Proven experience in acquiring third-party funding
- Very good knowledge of German and English
- Very good organizational skills and a hands-on mentality
- Excellent communication skills and ability to work in a team, as well as creativity

OUR OFFER FOR YOU:

- Compensation according to collective salary agreement (TV-L) including employer contributions to medical and dental insurance, maternity leave and retirement benefits
- Creative working environment
- State-of-the-art technical facilities
- Opportunities for professional development (e.g. project management, scientific writing, writing project proposals)
- Internal laboratory tours (“What do the colleagues do?”)
- Flexible working hours and mobile working offers
- Family Office
- 30 vacation days per year (plus: December 24th and 31th)
- Sports courses in our institute rooms

ABOUT INP

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 Karlsburg).

For further information, please visit our website at <https://www.inp-greifswald.de/en/>.

HOW TO APPLY

Please apply with the common documents (motivation letter, CV, copies of academic degrees) giving the keyword „**0426 Head of Research Programme Bioactive Surfaces**“ - preferably via our [online application form](#) - until **15th September 2021**. Please present your academic and professional career in the letter of motivation and describe your future research projects. We would also like to receive a list of your most important publications and your previous third-party funding.

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

The INP wants equal participation of men and women, especially in science. There are many good reasons why it is worthwhile to promote the potential of women specifically. Qualified women candidates are explicitly called to apply. Handicapped candidates are encouraged to apply.

CONTACT:

For further information and inquiries, please contact Prof. Klaus-Dieter Weltmann (phone: +49 3834 554 310; e-mail: weltmann@inp-greifswald.de).

Please send your applications to*:

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** Unfortunately, we cannot refund any expenses associated with the application or job interview due to budgetary regulations.*