Job posting

Type of position
☑️ scientific
☑️ administrative

Target group
☑️ graduates
☑️ post docs
☑️ other

Title
Research Associate (m/f/d), 2 years, TV-L13, Multifunctional Materials Discovery

Institution
The Ruhr-Universität Bochum is one of the leading research universities. The university draws its strengths from both the diversity and the proximity of scientific and engineering disciplines on a single, coherent campus. This highly dynamic setting enables students and researchers to work across traditional boundaries of academic subjects and faculties. The Chair Materials Discovery and Interfaces at the Institute of Materials develops new multifunctional materials using combinatorial coating methods (material libraries) and high-throughput characterization methods. Unique experimental facilities are directly available for this purpose (6 combinatorial sputtering systems, high-throughput characterization methods).

Position
To strengthen the international and efficient team at the chair, the position of a research associate (m/f/d) is available as soon as possible. The responsibilities include experimental work (synthesis of material libraries, high throughput characterization), working on industrial projects and publicly funded projects as well as supervising students (bachelor, master theses). We are looking for a highly motivated scientist with excellent knowledge in the field of materials science and thin film technology, who is willing to tackle new, exciting and promising topics in an interdisciplinary environment and who has the ambition to efficiently generate, publish and bring new scientific knowledge into application with the exceptional experimental capabilities available. The future research associate (m/f/d) is expected to work independently with a high level of motivation, to be able to work together in teams in a goal-oriented manner, to efficiently translate results into scientific publications, to have very good scientific, technical and communication skills, and to be fluent in written and spoken English.

Responsibilities
- Fabrication of thin-film material libraries by means of sputtering.
- High-throughput characterization of material libraries
- Processing of industrial projects and publicly funded projects
- Supervision of students (bachelor's, master's theses)
Publication of results

Requirements

- Completed studies with very good results in the field of mechanical engineering (specialization in materials), materials science or materials chemistry
- Practical experience in the field of thin film fabrication, preferably sputtering
- Practical experience in the area of characterization of thin films, e.g. SEM, EDX, XRD, SPM
- Interest in publications, if possible demonstrated by a very good publication record

Application procedure (deadline etc.)

Please send your complete and informative application documents (informative cover letter, 1-page motivational letter, CV with references, up to 3 publications) by April 3rd, 2022, quoting the job application number "ANR 252", as one pdf document to the specified e-mail.

Travel expenses, accommodation costs and loss of earnings or other application costs for interviews cannot be reimbursed. The extent of the teaching obligation is based on § 3 of the Teaching Obligation Ordinance NRW.

RUB stands for diversity and equal opportunities. Therefore, we promote the cooperation of heterogeneous teams and the professional path of people who are underrepresented in the respective fields of work. RUB explicitly wishes women to apply. In areas where they are underrepresented, they are given preferential consideration if they have the same qualifications. Applications from people with disabilities are also very welcome.

Contact

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