

## ▶ PHD STUDENT “BIOSAFETY OF ADVANCED THERAPEUTIC MATERIALS” (M/F/D)

The INM – Leibniz Institute for New Materials in Saarbrücken, Germany, is an internationally leading center for materials research, with a particular focus in biomaterials and biointerfaces, and their exploitation for medical applications. We are seeking PhD students with a background in biology, biochemistry, or biophysics to enroll on the Leibniz ScienceCampus Living Therapeutic Materials (<https://www.lsclifemat.de/>) and work on the development of advanced devices for the delivery of biopharmaceuticals.

In your PhD, you will investigate the risks and environmental impact of living therapeutic devices (i.e., implantable materials containing drug producing organisms). Your work includes conceiving, designing, and performing specialized *in vitro* and eventually *in vivo* biocompatibility and safety assays for these new therapies. Your work will be embedded in a stimulating network of projects dedicated to the development of cellular biofactories and of wearable and implantable devices for personalized therapeutics. The results of your work will contribute to the first steps towards translation of research in the Leibniz ScienceCampus into clinical solutions and provide scientific evidence for regulatory purposes. You will work in cooperation with the group Dynamic Biomaterials at the INM and the Institute for Clinical & Experimental Surgery at the University Clinic Saarland. You will be registered as a student at Saarland University.

**We expect you to have a MSc degree in Cell Biology, Biochemistry/ Microbiology, Biophysics, Biomaterials, or a related field.** Previous experimental experience with living cells (eukaryotic or prokaryotic) is a must. Interest or previous experience in *in vivo* work is a plus.

As one of the 20 PhD students within the Leibniz ScienceCampus you will enjoy dedicated training lectures in the field of Living Therapeutic Materials, regular scientific seminars, and soft skill courses. You will be involved in a very active and highly cooperative, multi-disciplinary, and international scientific environment in which we expect you to interact proactively. We expect you to be self-motivated and willing to be an active part of the team! Our working language is English.

INM is an equal-opportunity employer with a certified family-friendly policy. We promote the professional opportunities of women and strongly encourage them to apply. Severely disabled applicants with equal qualification and aptitude will be given preferential consideration.

Please send your application **via e-mail as a single pdf file before 10.04.2022** to the Spokesman of the Leibniz ScienceCampus, Prof. Aránzazu del Campo ([aranzazu.delcampo@leibniz-inm.de](mailto:aranzazu.delcampo@leibniz-inm.de)) quoting the reference “PhD position within Leibniz ScienceCampus”. Your application must include a curriculum vitae, copy of your university degrees and the name of 1-2 referees (ideally one of them should be your Master Thesis supervisor).



### CONTACT

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