The **INM – Leibniz Institute for New Materials** in Saarbrücken, Germany, is an internationally leading center for materials research, a scientific partner to national and international research institutions, and a provider of research and development for companies throughout the world. The INM is an institute of the Leibniz Association and has about 250 employees.

The INM's research group *Dynamic Biomaterials* develops dynamic polymer materials to study the cellular mechanoresponse and adaptation. One exciting research line involves synthetic biointerfaces containing light-responsive molecular motors that can activate cellular processes by applying molecular forces with spatiotemporal control. To fully develop this tool and understand the cell response during force application, we aim to couple the current biomaterial/biointerface design to molecular technologies to quantify the applied forces by the motor in situ, and also those exerted by the cells in response. This project is part of a 3 years international collaborative project with three other partners with complementary expertise in molecular tools and cell biology. To this end, we are seeking to fill an open position for a Postdoc.

POST-DOC DYNAMIC BIOMATERIALS (M/F/D)

(starting date: asap, ideally before May 2021, salary level 13 TV-L, 39,5h/week).

Your profile:

- background in biophysics or cell biology, or exceptionally in biomaterials science or biochemistry at the interface to any of the two other disciplines
- experience in Traction Force Microscopy or other advanced imaging techniques for the monitoring and quantification of cellular forces is an added benefit
- self-motivated, good interpersonal, communication and presentation/ writing skills
- a demonstrated ability to interact effectively with staff at all levels
- the ability to work as a member in an international, multi-disciplinary team
- proficiency in English
- The project is part of a highly interdisciplinary initiative and the applicant is expected to closely interact with the partners in a proactive manner.

Interested candidates should submit their complete application via email (a single pdf file < 5 MB) to Prof. Dr. Aránzazu del Campo (Aranzazu.DelCampo@leibniz-inm.de) including the following:

- motivation letter of max. 1 page (included in the text of the email)
- CV (max 2 pages) with publication list
- contact details of 2 references, ideally one of them should be the PhD supervisor.

The deadline for submission is **28th February 2021**. We expect to fill the position as soon as possible, ideally before May 2021. The INM is an equal opportunity employer with a certified family-friendly policy. We promote professional opportunities for women and strongly encourage them to apply. Full-time jobs can generally be divided.

CONTACT

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