

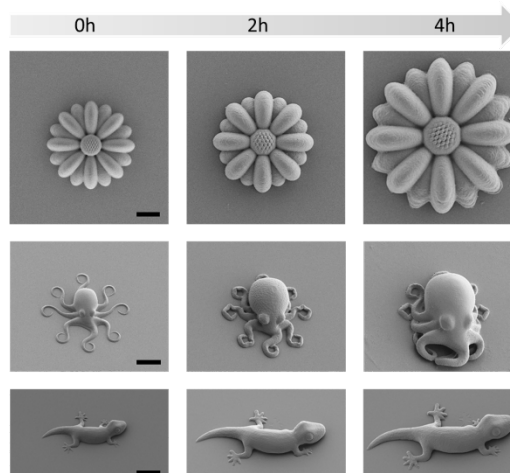
4D printing of smart and adaptive biomaterials

Post-doc position (100% TV-L E13 pay scale)

Supervised by Prof. Dr. Eva Blasco

Within the frame of the Cluster of Excellence [3D Matter Made to Order](#) (3DMM2O), the Blasco group focus on the development of new polymer-based functional materials with application in 4D microprinting. The additional fourth dimension refers to the ability of the printed materials to change its properties, such as shape or functionality, over time. Adaptability is a key feature for the applications in life sciences. Dynamic systems that can be adapted and interact with the cells are highly desired in order to mimic the 3D cellular environment in living organisms.

The group is seeking a highly motivated post-doctoral researcher with a strong interest in polymer chemistry as well as 3D printing. The aim of the project is the development of new adaptive multi-responsive printable biomaterials that can be applied in biomedical applications. The post-doctoral researcher will work in an interdisciplinary and international environment with state-of-the-art equipment and facilities at newly funded Centre for Advanced Materials (CAM) at Heidelberg University.



Funding

A scientific staff position (f/m/d) with a remuneration of **100% E13** is offered. The funding is secured for 2 years (extension for one year is possible). The candidate will also benefit from the offers and structure provided by the HEiKA Graduate School on Functional Materials, which is integrated into the Cluster of Excellence.

Requirements

- PhD degree in chemistry or material science
- Background in synthetic organic and polymer chemistry
- Experience in 3D printing and biomaterials is advantageous
- Good level of English (oral and written) is essential

Qualified women are strongly encouraged to apply. Disabled persons with equivalent aptitude will be favored.

For further **questions** about the project, you can contact Eva Blasco.

Please send your application directly to Eva Blasco (eva.blasco@oci.uni-heidelberg.de).

The application period is open until **31.12.2022**. We will start reviewing applications immediately.

3D Matter Made to Order (3DMM2O)

Cluster of Excellence of the Karlsruhe Institute of Technology (KIT) & Heidelberg University
www.3DMM2O.de