

Development of new smart polymeric inks for 3D and 4D printing at the micro- and nanoscale

PhD position (67% TV-L E13 pay scale)

Supervised by Jun.-Prof. Dr. Eva Blasco

The Cluster of Excellence [3D Matter Made to Order](#) (3DMM2O) combines the competencies of two Universities of Excellence to advance 3D Additive Manufacturing to the next level. The goal is to break current barriers of scale, precision and speed to unleash the true potential of the technology.

Within the frame of the Cluster of Excellence 3DMM2O, the Functional Polymer Materials team is seeking a highly motivated doctoral researcher with a strong interest in polymer chemistry, photochemistry as well as polymer chemistry. The aim of the project is the development of new smart polymeric inks for 3D and 4D printing at the micro- and nanoscale.

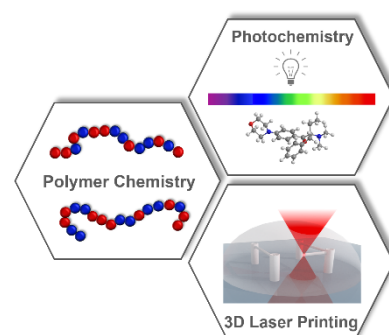
The doctoral researcher will work in an interdisciplinary and international environment with state-of-the-art equipment and facilities at the Centre for Advanced Materials at Heidelberg University.

Funding

A scientific staff position (f/m/d) with a remuneration of **67% E13** is offered to candidates who aim for a doctoral degree (German PhD degree). The funding is secured for 3 years. 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

- Degree in chemistry or material science
- Background in synthetic organic and/or polymer chemistry
- Experience in 3D printing 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@kit.edu

Please go to our application portal: <https://functionalmaterials.applicationportal.org/home.html>

The application period is open until **October 15, 2020**. 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