



## Forschungspraktikum oder Masterarbeit/Bachelorarbeit

### Development of a biocompatible hydrogels with antibacterial properties to be used as feed for 3D printers of hydrogels

We are looking for students (w/m) for Research Internship or Master's/Bachelor's Thesis in the above thematic area. The research is experimental and will involve preparing hydrogels in the Lab by simple one-stage or two-stages crosslinking. A high-end rheometer will be used for characterizing the mechanical properties of the hydrogels. For compression or extension of the hydrogels, a texture analyzer will be employed as well. Both characterization techniques are essential for a wide range of industrial applied materials.

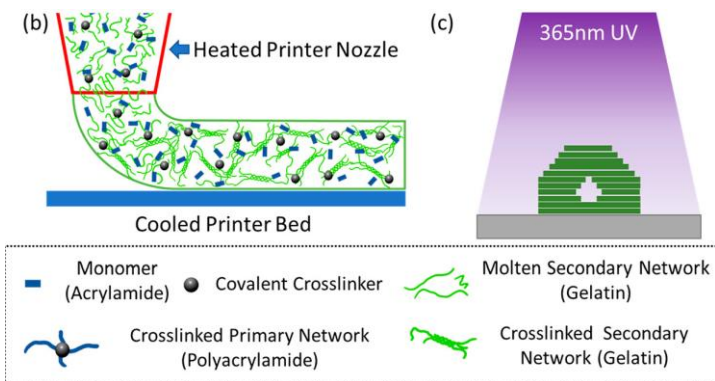
#### Requirements

- Independent, reliable, and careful lab work.
- Interest in experimental work in the laboratory.

#### Tasks

- Sample preparation and development.
- Conducting experiments (e.g., at the rheometer).
- Timely report of the work status.

#### *Example of a hydrogel in a 3D printing process*



If you are interested, please send a short e-mail application (in English or German) to the following researcher or by direct contact for further details after an appointment.

Dr. Thomas Goudoulas

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