



## Stimuli responsive materials for drug delivery

Institute for Molecular Systems Engineering (IMSE) is looking for a:

### “Master’s Thesis Student”

This project mainly involves synthesis of functional polymers which will be used for fabrication of nano/micron sized structures for drug delivery applications. These structures will be loaded with drugs and the drug release behaviour will be studied. Overall the project will revolve around the subjects of Chemistry, Material Science and a little bit of biology as well.

#### Your tasks will be:

- Synthesis of stimuli responsive polymers
- Preparing responsive drug delivery systems using additive manufacturing techniques
- Encapsulation of drugs and studying their release profiles

#### Requirements:

- Interest and motivated to work in the field of material science (focus on biomaterials)
- Chemistry background with experience in synthesis
- Analytical and problem-solving skills
- Proficient in written and spoken English or German

Candidates are asked to contact to the following address with their CVs and cover letter:

Ankit Mishra

Im Neuenheimer Feld 253

69120 Heidelberg / Germany

Phone: +49 (0) 160 - 6937584

E-Mail: [Ankit.mishra@pci.uni-heidelberg.de](mailto:Ankit.mishra@pci.uni-heidelberg.de)

[anmi@tf.uni-kiel.de](mailto:anmi@tf.uni-kiel.de)