STUDENT ASSISTANT REQUIRED
(HIWI, GENETIC ENGINEERING/MOLECULAR BIOLOGY)

The INM – Leibniz Institute for New Materials is looking to hire as soon as possible a

STUDENT ASSISTANT
(12 – 19 hours/week)

to work in the microbiology lab in the program division of Dynamic Biomaterials.

Tasks:
- Assisting in E. coli-based genetic cloning
- Assisting in protein purification and characterization
- Possibly participation in other research activities

Prior experience in E. coli-based microbiology, genetic and protein engineering are desired.

Dynamic Biomaterials

The Dynamic Biomaterials group develops cell-engineering materials that can communicate with cells and control their behavior. Light-regulated biomaterials are fabricated from cross-linked polymer networks containing light-responsive bioactive components. These materials act as dynamic scaffolds that simulate the cell's natural microenvironment (extracellular matrix), with the added ability to alter material properties over time. The light-responsive bioactive components will be either genetically engineered proteins or living bacteria. The student assistant will be involved in basic gene cloning, involving PCR, Gibson assembly, transformation and plasmid extraction. Furthermore protein purification will be done using affinity columns and characterization is to be performed through SDS-PAGE and western blot. Additionally there will be the possibility to participate in innovative multi-disciplinary research work.

INM is an equal-opportunity employer with a certified family-friendly policy. INM promotes the professional opportunities of women and strongly encourages them to apply. Please send your application by e-mail (in one pdf, <10 MB) to

shrikrishnan.sankaran@leibniz-inm.de

Dr. Shrikrishnan Sankaran