

Applications are invited for a **Postdoctoral Stipendium** within the 'NanoMatFutur' research project entitled

"Thermo-nanogels"

The goal of the project is to develop environment responsive nanogels that are able to target diseased tissue upon an external trigger. The appointment is initially for six-month, with the possibility of renewal for up to 2 years. The appointment should start in the time period between September and November 2013.

Duties and Responsibilities

- Provide expertise on and contribute to the synthesis of environmental responsive polymeric particles.
- To develop techniques that enable the characterization of multivalent effects triggered by external signal like light, temperature and/or magnetic fields.

Minimum Qualifications

Ph.D. in Polymer Science, Organic Chemistry, Biomaterials, or related disciplines.

Preferred Qualifications

- Expertise in dendritic and/or hydrogel polymer synthesis.
- Experience in techniques like Isotitration Calorimetry (ITC), Dynamic Light Scattering (DLS), Transmission Electron Microscopy (TEM), Confocal Microscopy, Nuclear Magnetic Resonance (NMR), etc.
- Experience and/or interest in research projects of interdisciplinary nature

Applicant must have a recent doctoral degree with a demonstrated record of innovative scientific accomplishments as evidenced by first-author papers published or accepted in international recognized journals. Qualified candidates must also demonstrate outstanding communication skills, have a strong passion and commitment to science, and work well within a group.

Applications (including CV and cover letter) should be submitted to marcelo.calderon@chemie.fu-berlin.de ideally by **August 15th, 2013**. However, applications will be considered until the position is filled.

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