



Levkin Research Group
Group of Biofunctional and Stimuli-Responsive Materials

Karlsruhe Institute of
Technology

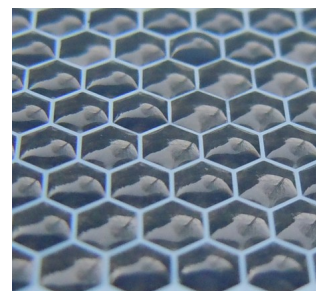


Heidelberg
University



Master Position (Chemistry, Surface Science)

We are looking for a highly motivated and experienced candidate for a master student position in the group of Dr. Levkin, at the Karlsruhe Institute of Technology. There are many ongoing projects in the group with the focus on the development of novel methods for the surface biofunctionalization and micropatterning. The developed surfaces are used in biological applications, such as cell screening or stem cell differentiation. The production and characterization of thin film surfaces demands the following techniques:



- spin-coating
- EDS
- FTIR
- XPS/ESCA
- AES

We are looking for a master student with experience in chemical or process engineering, organic synthesis in order to manufacture and analyze functionalized synthetic surface coatings. Prior knowledge on the production and analysis of thin-films with multiple techniques such as spin-coating and ellipsometry are beneficial.

An ideal candidate should fulfill the following requirements:



- experience in chemistry, chemical engineering or organic chemistry;
- experience with and perfect theoretical understanding of such techniques as: EDS, FTIR, XPS and AES
- it will be an advantage if you know about: ToF-SIMS, AFM, DLS, GPC. If not, you should be ready to learn how to operate such instruments.
- willingness and readiness to work hard;
- ability to work in a team;
- perfect writing and spoken English skills.

Applications (CV, university transcripts and a cover letter explaining why you qualify for this position) should be sent to info@levkingroup.com indicating "TA-chemistry" in the subject.

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