

# Project outlines (12)

Dr. Neffe (3 projects)	<ul style="list-style-type: none"><li>• Surface functionalization to support cell setting</li><li>• Realizing stable secondary structures in peptidomimetics for biomaterial applications</li><li>• Enzymatic synthesis of hydrogels</li></ul>
Prof. Taubert, Dr. Schulz	<ul style="list-style-type: none"><li>• Salt-induced polymer degradation</li></ul>
Prof. Löhmannsröben	<ul style="list-style-type: none"><li>• Probing the interactions at interfaces of biomaterial and cells</li></ul>
Dr. Wischke (5 projects)	<ul style="list-style-type: none"><li>• Adaptive membranes for drug release control from particulate carriers</li><li>• Analysis of interface properties of multiblock-copolymer particles and its impact on biological recognition (Dr. Karl Kratz)</li><li>• Polymer-based drug carrier for treatment of infected implants and soft tissue (Dr. Andrej Trampuz)</li><li>• Multi-compartment microparticles as drug carriers</li><li>• Role of the surface of microparticulate vaccine carrier in cellular recognition and uptake</li></ul>
Prof. Kulak, Prof. Taubert	<ul style="list-style-type: none"><li>• Synthesis and biological evaluation of cyclen based metalloproteases</li></ul>
Prof. Kumke	<ul style="list-style-type: none"><li>• WGM-based analytics and characterization of biocompatible materials</li></ul>