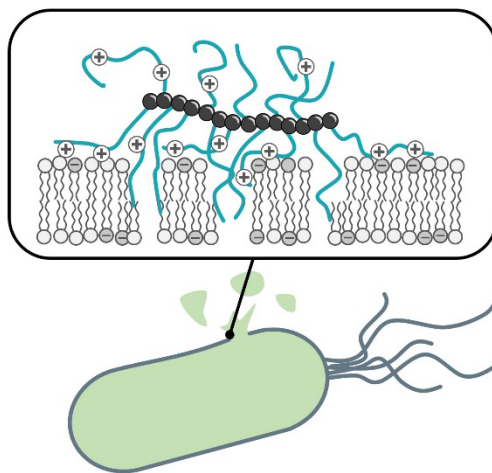


# Bachelor Thesis / Master Thesis / HiWi-Positions

The Polymeric Biomaterials group of Dr. Matthias Hartlieb at the Chair of Polymer Materials and Polymer Technologies (Prof. Dr. Alexander Böker) University of Potsdam and Fraunhofer IAP, is looking for highly motivated students for lab courses, bachelor and master thesis, as well as for student assistant (HiWi) positions. Possible Projects are centered around the development of antimicrobial polymers.

The objective of planned projects is the synthesis of cationic antimicrobial polymers by reversible addition-fragmentation chain transfer (RAFT) polymerization, ring-opening metathesis polymerization (ROMP) and other techniques. One main focus will be to find out how the polymer architecture (brush, comb, multiblock, ...) will influence the bioactivity of polymers.

This comprises the synthesis of small molecules and polymers and their characterization. The biological characterization will be performed in cooperation with the group of Dr. Sebastian Kersting at the Fraunhofer IZI-BB in Golm.



## What is required:

- Experience in Organic and Polymer Chemistry
- Interest in Biomaterials and Microbiology
- Curiosity, Independence, and Dedication

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