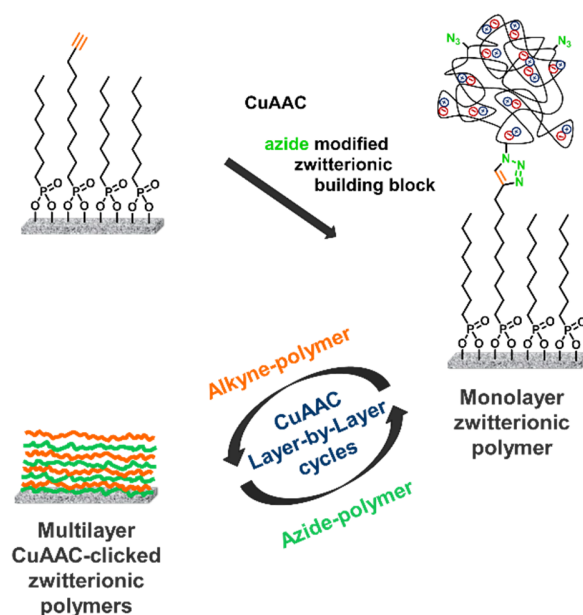


Esther Roeven

Supervisor(s)	Prof. Dr. Han Zuilhof, Dr. ir. Maarten Smulders, Dr. Luc Scheres
Project	New macromolecular building blocks for ambient zwitterionic antifouling coatings
Fields of interest	Antifouling, synthesis, surface chemistry, coatings, nanotechnology, biosensors
E-mail	esther.roeven@wur.nl
Telephone	+31 (0) 317482374

Introduction

Surface chemistry is a powerful tool to prevent unwanted biofouling. Coatings with good stability and antifouling performance have been gained by growing zwitterionic polymer brushes from the surface. Within this project we would like to investigate zwitterionic polymers as building blocks for a new type of ambient applicable zwitterionic polymer coatings. Main topics that will be investigated are the chemical synthesis, polymer architecture, surface chemistry, antifouling properties and (bio)functionalization.



Layer-by-layer surface immobilization of zwitterionic polymers by CuAAC click-chemistry.

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