

Development of Non-Thrombogenic Coatings

Week – December 1 – December 7

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Team Members: Ben Roedl – Team Leader
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Problem Statement

To form PEG macromer-based hydrogels on biomaterial surfaces in an interfacial photopolymerization process and to screen the coatings for interactions with cells and media that mimic physiologic fluids. It is hypothesized that these coatings will resist fouling and may be useful for implantable devices.

Last Week's Goals

- Complete poster presentation
- Continue conducting experiments
- Work on end of semester paper

Accomplishments

- Multiple team meetings with advisor and in lab to work on preparing reagents, conducting experiments, and measuring results
- Multiple team meetings to work on poster presentation, revision, and practice oral presentation
- Communicated with client about experimental results and areas we should focus on in future – mainly adherence.

This Week's Goals

- Complete end of semester report
- Obtain feedback from advisor and client