

Development of Non-Thrombogenic Coatings

Week – March 23 – March 29

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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.

Accomplishments

- Presented at Science Expeditions
- Washed, cleaned and coated latex
- Began research for protein adhesion

This Week's Goals

- Determine protein adhesion experiment
- Measure adherence and thickness of samples