Development of Non-Thrombogenic Coatings

Week – October 27 – November 2

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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
• Present our mid-semester status.
• Turn in lab notebooks.
• Create hydrogel and coat a material with it.
Accomplishments

- Team meetings to work on presentation.
- Mid semester presentation
- Research on reagents
- Contacted places to get blood bags for experimentation

This Week’s Goals

- Create hydrogel and coat a material with it.
- Get feedback from our mid-semester presentation.