Development of Non-Thrombogenic Coatings

Week – January 24 – February 1

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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
- Contact Client
- Aquire Ethyl Eosin solution
- Research latex for use as substrate

Accomplishments
- Contacted Client
- Discussion of outreach options
• Researched latex types and uses

This Week’s Goals
• Acquire proper latex for testing as substrate
• Create Ethyl Eosin solution
• Decide on outreach program
• Create hydrogel on latex surface