

## **Development of Non-Thrombogenic Coatings**

**Week** – November 24 – November 30

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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**

- Create hydrogel and coat a material with it.
- Duplicate experiments and collect data.

### **Accomplishments**

- Contacted client to get help with Eosin adherence
- Obtained color dye to experiment with marked Eosin adherence
- Work in lab creating macromer solution, examining experiment results, and continuing experiments

### **This Week's Goals**

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