Development of Non-Thrombogenic Coatings

Week – February 9 – February 15

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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
• Finalize outreach option
• Pick up catheters from Mike Abernathy
• Create 125ppm Ethyl Eosin solution in acetone
• Preliminary test of latex with Ethyl Eosin and Eosin Y solution
Accomplishments
  • Received signup sheet for outreach
  • Specified time for Foley Catheter pick-up
  • Acquired relevant journal articles

This Week’s Goals
  • Create solutions
  • Test solution on preliminary latex
  • Determine outreach presentation topic
  • Review journal articles