

Meeting Minutes

Tuesday, October 2, 2012 @ 11:30 am

Location: Armstrong

Met with Dr. Wagner and Dr. Yan

Vishal:

- Mouse fibroblast cells to practice with
- List of ingredients/items *what defined media, what serum, etc.!*****ATCC also gives you recommended
- Serum and media and other culture additives from Fischer
- Relevant budget
- Account for back up /extra
- ATCC/Fischer

Ritesh:

- Alternate budgets for different polymers
- There is a protocol just haven't tried it
- So select multiple /combinations
- Take into account availability; See how many trials you can do with the smallest amount purchasable
- Last year purchased collagen (found protocol to electron-spin collagen)
- Look at report/find reference
- Replicate collagen protocol and establish PEO
- Encapsulation of NGF
- NGF cost, etc.
- Acetic acid (solubilize collagen)
- Sigma-Aldrich for collagen
- Other extracellular materials
- Rational for... (biological aspects, cost, other constraints)

Lee:

- Microscopic structure = tubular
- Mesh structure= ?
- Baseline for fiber porosity and diameter
 - Attain results from Dr. Yan
- Use fiber ...coated vs. embedded?
- If embedded... have to deal with diffusion; radial gradient; cylinder that is infinitely long
- Porosity

Rohit:

- Coaxial nozzle ... found sites that sell them (based in China);
- Find distributors in the States
- Some papers list out manufacturers
- Embedded spinning vs. coaxial spinning

Extra:

- Difficulty is cleaning it up and then cell culturing...
- If UV cleaning.. Could deactivate NGF
- Come up with different methods for cleaning
- Sterilization methods
- Access to lab!!!!!!!!!!!!!!Not allowed to use spinning device unless advisors are present.
- Late October with Dr. Yan for cell culture for practicing