

Smith Lab/TRMC Meeting Minutes 2/3/17

Lab Updates

- Rat Room - All is good, Cards should be working
- Prep Room – No problems, prep is good. Happy that they got their gloves back
- Cell Culture – Contamination in 4 thawed CHCKS cells. KEEP EYE ON OWN CULTURE.
- CPUB on April 7th at Kutztown University
 - Submit abstract for poster 1 month prior GET ON IT
 - Posters must be submitted 2 weeks prior
 - You can find travel grant for the transport.
 - Grants are due 4 weeks before. NO LATER THAN MARCH 7th!!!
 - Grants found on Clarion.edu – Search “travel grant”

Projects

- HSC – Researching methods of pluripotent stem cell differentiation. Exploring the types of cells that differentiate through different environments and properties of cell. **Meeting 10 am Sunday for Dissection**
- *Bd* – Researching the detection of *Batrachochytrium dendrobatidis* (pathogenic fungus that’s deadly to amphibians) via Enzyme Linked Immunosorbent Assay (ELISA kit). Sensitizing kit to appropriate detection rate and level is the current exploration **Meeting 9 am Saturday**
- Annexin-1 – Works with HL60’s which turn into neutrophils and macrophages to use with/without calcium, examining its response to annexin-1 tag. Future exploration with annexin-1 against cancer cells.
- Compound I – Application of a compound that inhibits biofilm growth in contact lens. Future implication into plastics for biofilm free medical use.
- Acetaminophen – Testing the toxicity effects of acetaminophen (Tylenol) on mammalian/neural cell lines to explore possibility of implicating in anesthesia. **Following HSC dissection Sunday**
- Compound P – Isolate and Identify unknown antimicrobial activity found in human urine. Explores different purification and isolation methods and plan to identify the compound properties. **Saturday 10 am - distillation**
- BTV – Research mutants of virus to test causes of it’s virulent. Uses the lethal apoptotic effects on mammalian cells to help identify possible genes being expressed/silenced.

Standard Operating Procedure (SOP)

- Project leaders should be putting together SOP’s for all project experiments, recipies, or everyday chores. SOP should include steps, mediums, materials, time lengths, etc.
- Project leaders have access to upload and edit D2L Page which consists of all Smith Lab SOP’s. All other members have access to view.
- OPTIONAL: Its suggested to have several forms of SOP’s to avoid loss or confusion. Paper, digital, flashdrive, pdf, etc.

TRMC

- Journal Club – Meets Biweekly starting next Friday.
 - Mitch Presents growing kidney tissues from lymphnodes.
- GMO Panel and Friday meeting space requests are a work in progress
- GMO Panel – March 4th preferably in 120??
 - Hampikian, Scott, Friend of Smiths (Geoscience), Dan Smith, and rep of Penn State Cooperative extension.