Purpose: To investigate the role of protein kinase C in modulating histone methylation in breast cancer cells.

Objectives:
1. Grow and maintain estrogen dependent (MCF-7) and independent MDA-MB-231 cells.
2. Investigate the effect of protein kinase activation on histone trimethylation.
3. Investigate the functional significance of protein kinase C mediated histone methylation in breast cancer.
4. Make a final report and hopefully present findings at Pathway Symposium and at subsequent scientific meetings.

Grading Scheme
- Attendance and Participation: 45 Points
- Cell culture: 15 points
- Immunoblot analysis & Viability Assays: 15 points
- Statistical Analysis: 5 points
- Presentation of Data: 10 points
- Report: 10 points

Requirements:
All students will be working under my direct supervision. Students are required to attend all lab meetings and attempt at least 10 hours of laboratory work per week. Depending on the experiments they may require to come to the everyday of the week including week ends.

Important References


