Research

Description of Rotation:

A Research rotation encompasses bench lab research and ongoing study for drug development, disease understanding, and consumer information, to better understand how, what, where, when, and why agents do or do not work.

Goals of Rotation:

Facilitate student learning and critical thinking skills in a research environment in order to:

1. Identify a problem amenable to research, or continue research currently ongoing within the site/college
2. Apply evidence-based medicine.
3. Enhance and reinforce didactic course work.
4. Develop an hypothesis, suitable research protocol and methodology required for the study
5. Employ research in meticulous and efficient manner
6. Formulate conclusion based upon study results
7. Apply proper statistical application and interrupt the data collected
8. Prepare and deliver appropriate reports and presentation

Learning Objectives:

Upon completion of this rotation the student should be able to:

Activities:

1. Data collection
2. Biostatistics interpretation
3. Research design
4. Daily scientific/bench lab analysis
5. Required Readings

Potential longitudinal activities to accomplish at site:

1. Present all data in a concise and meaningful fashion
2. Prepare a handout for presentation
3. Prepare an article for a newsletter or publication
4. Prepare a written drug information response
5. Provide an education presentation to staff
6. Provide an education presentation to other health care professionals
7. Lead a Journal Club discussion
8. Participate in a discussion of a pharmacist role in ethical issues related to any of the following topics: end of life care, professional behavior, clinical research, and pharmacy current event/hot button issue
9. Participate in discussion or develop a program on genetic/genome basis of disease, drug development, and/or genetic alterations in metabolism