ATTENTION
Medical Students, Residents, Fellows, Graduate Students

Course Announcement

FPM237: Microarray Technology and Informatics
Winter Quarter 2014, Thursdays, 3:00 – 5:00 pm
Location: MET 215 on
School of Medicine Campus

This course, offered by the Department of Family and Preventive Medicine, is intended for those who are interested in an introduction to DNA microarray technology and methods to analyze gene expression data. The course is worth 2 units and grading is “satisfactory/unsatisfactory” only.

Why Register?

The confluence of biotechnology, computer sciences and the completion of genome sequencing efforts for several organisms have resulted in revolutionary changes in how biomedical research can be done. It is now possible to synthesize high-density arrays of specified DNA sequences that, for example, include every known gene of an organism on a single glass slide or chip. This technology allows several types of questions to be asked at a qualitatively different scale than has been possible previously, and is currently having a dramatic impact on the pace of discovery in the fields of biomedical research.

Course Topics include:

• Microarray Expression Platforms & Formats
• GWAS
• Statistical Issues in Experimental Design
• Methods to Determine Differential Gene Expression
• Gene Classifier Techniques
• Microarray Applications in the Health Sciences

First class will meet Thursday, January 9, 2014 in MET 215.
PLEASE NOTE ONLY REGISTERED STUDENTS MAY ATTEND LECTURES.