

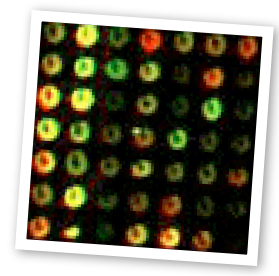
Piney Woods Lecture Series

Dr. Sue Geller of Texas A&M University

Wednesday, 11 October 2006

2:00 - 3:00 pm
Olson Auditorium

Microarrays: What are they? How do they work? What are they good for? And what do you do with all the data?



Microarrays are a relatively new technology that allows the researcher to study which of thousands of genes are “on” or “off” for the cell studied. Some of the applications are to cancer research, parkinsonism, and autism. The data may be 50 arrays for 12625 genes. This time we have lots of dependent variables with relatively few data points, so we are in the opposite of the usual situation. The biology behind the arrays, the technology of the arrays, some of the applications, and some of the statistics will be presented. Very few assumptions on the knowledge of the listeners will be made, so this talk should be accessible to students of biology, genetics, and mathematics as well as other interested people.

Social Event and Reception for Dr. Geller

3:00 - 4:00 pm
4th Floor Atrium of Lee Drain Building