

Bio 181 Internet-based exercise: Week 9
~~DUE: Monday, May 7th~~
Microarrays

First, to reinforce what was discussed in class, you should read this excellent review of microarrays by visiting:

<http://www.ncbi.nlm.nih.gov/About/primer/microarrays.html>

Then, go to this site for the activity:

http://www.affymetrix.com/corporate/outreach/lesson_plan/downloads/student_manual_activities/activity4/activity4_cancer.pdf

Write an answer that interprets the data set, thinking about the questions given at the end. When commenting on possible therapies to treat the cancer, be sure to distinguish among drugs that might:

1. **affect gene expression** (induce or repress)
2. **affect the *products* of the genes studied** (interfere/inhibit, or enhance/mimic the activity of the gene product)