

# Introduction to Bioinformatics

## Material for Exam #2

Questions for each of the exams will be taken (with some modification) from the various Problem Sets, Study Questions, and tours covered since the last exam (or, in the case of Exam #1, since the beginning of the semester). For Exam #2, the following are fair game:

Problem Set 4: Practice with loops and mapping

Problem Set 5: Blast and dotplots

Problem Set 6: Statistics

Problem Set 7: Genome analysis

→ **Problem Set 8: Research Project** ← (*of particular interest*)

Study Questions from notes for:

Introduction to mapping

Elements of a loop

Search for FMRP in *Drosophila*

Hatfull et al (2008): Tours I and II

Gomathi et al (2007): Tour

Karlin (2001): Tour

In addition to the above tours:

Tour – *Was Mendel Right* (Part II)

... and that's it. If you can solve these problems and answer the questions, you should be able to do the same readily on the exam.

For more, see *Course at a Glance, Objectives and Strategies, Integrative Exams*