

## SYLLABUS

Bi410/510 Spring, 2014

Model Organisms: Windows for Human Biology

<http://blogs.uoregon.edu/bi410/spring-2014/model-organisms/>  
Tentative Lecture Schedule

April 1 - April 10	Cell Cycle, Checkpoints and Cancer
April 15 – April 17	Cell Signaling Specificity
April 22 – April 29	Technology and Scale
May 1 – May 6	Cell Death
May 8 – May 13	Aging
May 15– May 21	Neurodisease
May 20	Syed Hussain, Doe lab; neural stem cells
May 22 – June 5	Student Presentations

### **Note: Lectures of Special Interest**

May 13 Streisinger Lecture, 4 pm 100 WIL **John Postlethwait** “How Do Zebrafish Decide to Develop as a Male or Female?”

May 14 1 pm 331 KLA **Will Talbot** "title tba" general subject: zebrafish neural development

### **Learning objectives:**

familiarity and facility with genetic reasoning

competency in reading, understanding, and critically evaluating scientific information in genetics and molecular biology

an ability to communicate scientific ideas clearly, orally and in writing,