

Course Syllabus

(Unless otherwise noted, all classes are in 5915 Buhl)

The major goals for the student seminar course, HG821, are to:

1. Enhance critical thinking skills, including:
 - ability to research a topic, to select and evaluate relevant papers, and to propose, based upon the published data, further experiments that may be useful in gaining additional insight into the given research questions.
 - increased depth of knowledge of current topics in genetics-related research

2. Enhance seminar presentation skills, with a focus on:
 - clarity of presentation
 - logical organization of materials
 - ability to foster student and faculty discussion during and after each presentation
 - skills to answer questions related to the material presented

Students have the opportunity to enhance these skills by serving in three roles during the course: (a) as a seminar presenter; (b) as an assigned presentation reviewer; and (c) as an 'active' audience member during the student presentations.

Seminar Date	Presenter	Mentor	Paper
Sept 4	intro	Robins	
Sept 11	Demo seminar	Hancho Pan	
Sept 18	Q & A panel	Englund, Shami, McDonald	
Sept 25	Denise Poltavski	Kohrman	Gyorgy, Allele-specific gene editing prevents deafness
Oct 2	Steve Ho	Parker	Delaneau, Chromatin 3D interactions
Oct 9	Kevin Toolan	Burke	Henke, Genetic screen for postembryonic development in zebra fish
Oct 16	ASHG	---	---
Oct 23	Matt Blacksmith	Hammoud	Nicetto, H3K9me3 and developmental lineage specification
Oct 30	Mashiat Rabbani	Kitzman	Loh, Clonal haematopoiesis and mosaic chromosomes
Nov 6	Christa Ventresca	Kitzman	Diss, Genetic landscape of physical interaction
Nov 13	Nicole Huser	Camper	Pan, Gene therapy for Usher syndrome deafness
Nov 20			
Nov 27	THANKSGIVING	---	---
Dec 4			
Dec 11	Alexandra Kraft	Meisler	Lee, Somatic APP recombination in Alzheimers