

Introductory Cytogenetics

Genetics 561, Horticulture 561, Botany 561

Jiming Jiang (jjiang1@wisc.edu), Instructor

Office Hours: Friday, 1:20-2:10 pm or by appointment
(2013)

Week	Date		Lecture	Topic
1	1/21			
	1/23			No class
2	1/28	M	1	History of cytogenetics
	1/30	W	2	Mitosis (Movie)
3	2/4	M	3	Meiosis (Movie)
	2/6	W	4	Genetic significance of meiosis
4	2/11	M	5	Karyotyping
	2/13	W	6	Banding and in situ hybridization
5	2/18	M	7	Chromosome structure
	2/20	W	8	Chromatin
6	2/25	M	9	Epigenetics (Movie)
	2/27	W	10	Sex chromosome 1
7	3/4	M		First Hour Exam (including lectures 1-9)
	3/6	W	11	Sex chromosome 2
8	3/11	M	12	Special chromosomes
	3/13	W	13	Telomeres
9	3/18	M	14	Centromeres
	3/20	W	15	Artificial chromosomes
10	3/25	M		Spring Recess
	3/27	W		Spring Recess
11	4/1	M	16	Duplication & deletion 1
	4/3	W	17	Duplication & deletion 2
12	4/8	M	18	Inversion
	4/10	W	19	Translocation 1
13	4/15	M	20	Translocation 2
	4/17	W	21	Trisomics 1

14	4/22	M		<i>Second Hour Exam</i> (including lectures 10-20)
	4/24	W	22	Trisomics 2
15	4/29	M	23	Monosomics
	5/1	W	24	Autopolyploidy
16	5/6	M	25	Allopolyploidy
	5/8	W	26	Haploidy

Last class day: May 10, 2013

5/??				<i>Final Exam</i>
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