

Topics for Research Papers in Genetic Analysis (in no particular order)

Taken	X-chromosome inactivation in mammals
	Dosage compensation in non-mammalian species with sex chromosomes
Taken	Genomic imprinting
Taken	Plastid evolution
Taken	Mitochondrial evolution
Taken	Genome duplication
Taken	Genetics of aging
Taken	Selfish DNA
Taken	Conservation of telomeres among lineages
Taken	Chromosome painting in studying human pathology
Taken	Prion genetics
Taken	Mechanisms of sex determination
Taken	Genome size variation during development
	Bacterial genome diversity and structure
Taken	Adaptive mutations in prokaryotes
Taken	Chromosome rearrangements and speciation
Taken	Gene silencing (CTCF?)
Taken	Transposons
Taken	Genetic basis of complex traits
Taken	Genetics of handedness
Taken	Homologous recombination

Email your topic choice to me at hauber@loyno.edu (one student per topic)

Remember: Find at least 3 journal articles from the primary literature as references for your topic, photocopy the first page of each article and submit these pages for approval (Deadline: **FEB. 7TH**).