

Bio 243, Fall 2009

Part 1 (Freudenreich) – Chromatin and DNA repair

Sept 9	Week 1	Course Overview, Chromatin lecture
Sept 16	Week 2	paper
Sept. 23	Week 3	paper + position paper peer review exercise

Part 2 (Ernst) – Transposable Elements

Sept. 30	Week 4	paper
Oct 7	Week 5	Irina Arkipova paper, Horizontal Gene Transfer (Seminar Fri Oct 16, Hosts S. Ernst and C. Freudenreich)

Part 3 (Fuhrman) - Regulatory RNAs

Oct 14	Week 6	paper
Oct 21	Week 7	paper + science writing exercise
Oct 28	Week 8	paper

Part 4 (Levin): Left-Right Asymmetry

Nov 4	Week 9	paper
Nov. 11	Week 10	paper

Part 5 (Freudenreich)– Replication and Replication Forks

Nov. 18	Week 11	Grant Brown paper (fork restart, Spring seminar) Write position paper for Dec. 2 as a review for publication
Dec. 2	Week 12	Johannes Walter paper (replication; Spring seminar) + write a review rebuttal exercise
Dec 9	Week 13	Lee Zou paper (checkpoint pathways; Seminar Dec 11)