

GBS 709 – Basic Biological Organization

October 25 – November 22, 2011

Coursemaster: Dr Jim Collawn

Contact Info: Office: MCLM 395A / Tel: 934-1002 / Email: jcollawn@uab.edu

October 25	Integrated cell: from organelles to organs	Anne Woods
October 26	Membrane structure/function	Cathy Fuller
October 27	Mitochondria, nuclear and peroxisome biogenesis	David Bedwell
October 28	Protein synthesis and ER translocation	David Bedwell
October 31	Secretion and Golgi structure	Elizabeth Sztul
November 1	Endocytosis and lysosomal targeting	Jim Collawn
November 2	Protein degradation and autophagy	Jim Collawn
November 3	Cell cycle and apoptosis	Chang
November 4	Reading day	
November 7	Exam 1	
November 8	Cytoskeleton (actin, MTs, IFs)	Susan Bellis
November 9	Cell-cell junctions and polarity	Peter Smith
November 10	ECM and matrix interactions	Anne Woods (Joanne Murphy-Ullrich)
November 11	Cell motility	Dennis Kucik
November 14	Signaling I	Anne Theibert
November 15	Signaling II	Anne Theibert
November 16	Pharmacology and pharmacokinetics	Jennifer King
November 17	Review, bring it all together	Elizabeth Sztul
November 18	Reading day	
November 21	Exam 2	