

CMB 850 Student Seminars 2005-2006: Seminar Titles

Date	Name	Mentor	Title
9/19/2005	Annie Hiniker	James Bardwell	In Vivo Roles of the Periplasmic Disulfide Oxidoreductase DsbC
9/26/2005	Marc Prindle	Greg Dressler	Discerning a Role for the BRCT Domain-Containing Protein PTIP
10/3/2005	Paul Graf	Ursula Jakob	Bleaching a Molecular Chaperone – Hypochlorous Acid Rapidly Activates Hsp33
<u>Short Course Theme: DNA Repair</u>			
10/10/2005	Grant Rowe	Stephen Weiss	Induction of ser15 and lys382 modifications of p53 by blockage of transcription elongation
10/10/2005	Ann Staubach	Deborah Gumucio	Expression of Wild-type p53 Is Required for Efficient Global Genomic Nucleotide Excision Repair in UV-irradiated Human Fibroblasts
10/24/2005	Nate Lanning	Christin Carter-Su	DNA damage activates ATM through intermolecular autophosphorylation and dimer dissociation
10/24/2005	Tyler Prestwich	Ormond MacDougald	DNA end resection, homologous recombination and DNA damage checkpoint activation require CDK1
10/31/2005	Omer Yilmaz	Sean Morrison	Pten dependence distinguishes the self-renewal of hematopoietic stem cells from the proliferation of leukemia cells
11/7/2005	Trow Lionberger	Edgar Meyhofer	Direct observation of kinesin stepping by optical trapping interferometry
11/7/2005	Joshua Scheys	Gary Hammer	High Tumor Incidence and Activation of the PI3K/AKT Pathway in Transgenic Mice Define AIB1 as an Oncogene
11/14/2005	Adam Salmon	Richard Miller	Cell Stress Resistance, DNA Repair and Mouse Longevity
11/21/2005	Neethan Lobo	Michael Clarke	Functional Characterization of Murine Mammary Cell Populations
11/28/2005	Fred Derheimer	Mats Ljungman	Blockage of Transcription Leads to an ATR Mediated Phosphorylation of p53
12/5/2005	Mike Friedman	Hankenson	Regulation of Human Mesenchymal Stem Cell Differentiation
12/12/2005	Jonathan Pan	James Bardwell	Increasing the Specificity of the Oxidase DsbB: From A to C.
1/9/2006	Jaemin Lee	Peter Arvan	ER Quality Control and ER-Associated Degradation of Mutant

1/23/2006	Travis Maures	Christin Carter-Su	Thyroglobulin Nuclear SH2-Bb Directly Enhances the Transcription of NGF Target Genes Essential for PC12 Cell Differentiation
1/30/2006	Evan Michael	Andrezej Dlugosz	In vivo cellular context influences tumorigenic potential of activated Smo
2/6/2005	Hailu Shitaye	Hankenson	ATF4 is a substrate of RSK2 and an essential regulator of osteoblast biology; implication for Coffin-Lowry Syndrome
2/6/2006	Eric Garcia	Alice Telesnitsky	Human herpesvirus 8 entry: viral-induced modulation of the host cell cytoskeleton
2/13/2006	Abdo Najy	Mark Day	The Disintegrin Metalloproteinase, ADAM15, Alters Prostate Cancer Tumorigenesis
2/20/2006	Matt Pratt-Hyatt	David Engelke	Silencing of Pol II genes mediated by transcription of neighboring tRNA
<u>Short Course Theme: Sensory Genetics</u>			
3/6/2006	Gautam Rajpal	Peter Arvan	Identifying the Key Components of Sweet Taste Transduction in Mammalia
3/6/2006	Elizabeth Wonderlich	Kathleen Collins	Extracellular Proteins Organize the Mechanosensory Channel Complex in <i>C. elegans</i> Touch Receptor
3/13/2006	Keith Wolter	Maria Soegas	Identification of Factors Required for Hair-Cell Stereocilia Formation, Using Mouse Models of Human Deafness Syndromes
3/13/2006	Ferdous Barlaskar	Gary Hammer	The Molecular Basis of Dichromatic Color Vision
3/20/2006	Nate Reed	Kristen Verhey	Microtubule acetylation promotes kinesin-1 binding and transport
3/27/2006	Rachel Edwards	Michele Swanson	<i>Legionella pneumophila</i> : a model coupling differentiation to central metabolism
4/3/2006	Natalie Whitfield	Michele Swanson	<i>Legionella</i> flagellin: The Achilles' Heel of a Human Pathogen
4/10/2006	Rachael Adams	Juanita Merchant	Functional Significance of ZBP Family Proteins
5/1/2006	Nicole Willmarth	Ethier	The Functional Effect of an Amphiregulin Autocrine Loop in Inflammatory Breast Cancer Cells
5/8/2006	Brandi Thompson	Bochar	CHR1, a novel chromatin remodeling enzyme
5/15/2006	William Brandt	James Engel	Oncogenic transcription factor Evi1 regulates hematopoietic stem cell proliferation through GATA-2 expression