

GDBBS Student Presentations/Abstracts in Calendar Year 2007

BCDB

Arico, Jackelyn

Arico, J. 2007. Characterization of imprinted X inactivation in *C. elegans*. Poster presentation, Southeast Regional Meeting of the Society for Developmental Biology, May 4-6, 2007, Chapel Hill, NC.

Israel, Brett

Israel, BT, L Yin and KD Wilkinson. 2007. Identification of SUMO and polySUMO binding proteins. Poster presentation, Cold Spring Harbor Ubiquitin Family Meeting, April 25-29, 2007, Cold Spring Harbor, NY.

Lange, Allison

Lange, A, R Mills, AE Hodel, S Devine and AH Corbett. 2007. The prevalence of classical nuclear import in *S cerevisiae*. Presentation, Southeastern Regional Yeast Meeting, March 31-April 1, 2007, Birmingham, AL.

Larkins, Christine

Larkins, CE and T Caspary. 2007. The role of Arl13b in ciliogenesis and left-right axis determination. Poster presentation, Southeast Regional Meeting of the Society for Developmental Biology, May 4-6, 2007, Chapel Hill, NC.

Washington, Ebony

Washington, E. 2007. . Poster presentation, Emory University Cardiology Research Symposium, June, 2007, Atlanta, GA (Emory Conference Center).

GMB

Su, Chen-Ying

Su, C-Y, M Hillman and T Caspary. 2007. The role of ARL13B in motoneuron and oligodendrocyte differentiation. Poster presentation, Gordon Research Conferences - Developmental Biology, June 24-29, 2007, Andover, NH.

IMP

Bettini, Matthew

Bettini, ML and GJ Kersh. 2007. Dual specificity phosphatase (DUSP) activity regulates ERK activation and positive selection of thymocytes. Poster presentation, American Association of Immunologist Annual Meeting - Immunology 2007, May 18-22, 2007, Miami Beach, FL.

Coley, Shana

Coley, SM, S Gangappa, TC Pearson and CP Larsen. 2007. Interferon gamma: unexpected benefits for graft survival. Presentation, American Transplant Congress 2007, May 5-9, 2007, San Francisco, CA.

Davis, James

Davis, JM. 2007. Mechanisms of mycobacterial dissemination within and from early tuberculous granulomas revealed by long-term live imaging of *Mycobacterium marinum*-infected zebrafish

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embryos. Oral presentation, Tuberculosis: From Lab Research to Field Trials Keystone Symposium, March 20-25, 2007, Vancouver, BC Canada.

Edwards, Lindsay

Edwards, LJ and BD Evavold. 2007. T cell response after TCR antagonism: a unique unresponsive CD4+ T cell phenotype. Poster presentation, Immunology 2007, May 18-22, 2007, Miami, FL.

Evans, Andrew

Evans, AG, JM Moser, LT Krug and SH Speck. 2007. A novel gammaherpesvirus secreted protein induces Vbeta4+ CD8+ T cell lymphocytosis during latency. Poster presentation, American Association of Immunologists Annual Meeting, May 18-22, 2007, Miami, FL.

Evans, Andrew

Evans, AG, JM Moser, LT Krug and SH Speck. 2007. Gammaherpesvirus control of reactivation and immunopathology via a novel T cell stimulatory factor. Presentation, FASEB Summer Research Conference - Microbial Pathogenesis: Mechanisms of Infectious Disease, July 21-26, 2007, Snowmass, CO.

Klatt, Nichole

Klatt, N, et al. 2007. The main determinant of set-point viremia during natural SIV infection of sooty mangabeys is the number of activated CD4+ T cells. Oral presentation, Keystone Symposium - Molecular and Cellular Determinants of HIV Pathogenesis, March 25-30, 2007, Whistler, BC, Canada.

Klatt, Nichole

Klatt, N, F Villinger, L Pereira, A Mayne, S Gordon, D Sodora, S Staprans, K Reimann, G Silvestri and A Ansari. 2007. Availability in vivo of activated CD4+ T cells is the main determinant of plasma viremia in naturally simian immunodeficiency virus-infected sooty mangabeys. Poster presentation, Conference on Retroviruses and Opportunistic Infections, February 25-28, 2007, Los Angeles, CA.

Le, Tengguo

Li, T and WG Kelly. 2007. Identification of histone 3 lysine 4 (H3K4) methyltransferases associated with germ-line development in *C. elegans*. Poster presentation, 16th International *C. Elegans* Meeting, June 27-July 1, 2007, Los Angeles, CA.

Lin, Eugene

Lin, E. 2007. CD4 T-cell responses to low level persistent infection by mouse polyoma virus. Poster presentation, Keystone Symposia - Immunological Memory, March 3-8, 2007, Santa Fe, NM.

Swanson, Phillip

Swanson, PA II, I Stroynowski, PE Jensen and AE Lukacher. 2007. Identification of an MHC class Ib-restricted CD8 T cell response to polyoma virus infection. Poster presentation, American

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Association of Immunologist Annual Meeting - Immunology 2007, May 18-22, 2007, Miami Beach, FL.

MSP

Dean, Erika

Dean, ED, GE Torres and GW Miller. 2007. [alpha]-synuclein interacts with VMAT2 to regulate VMAT2 activity. Poster presentation, Society of Toxicology Annual Meeting, March 25-29, 2007, Charlotte, NC.

Havel, Jonathan

Havel, J, WC Huang and LWK Chung. 2007. Disrupting androgen receptor expression and signaling by anti-Beta2M antibody blocked prostate cancer cell growth and survival. Poster presentation, American Urological Association Annual Meeting, May 19-24, 2007, Anaheim, CA.

Ide, Lucienne

Ide, LM, B Gangadharan, CB Doering and HT Spencer. 2007. Identification of a clinically relevant gene therapy strategy to treat hemophilia A using high-expression factor VIII vectors and gene-modified hematopoietic stem cells. Poster presentation, Congress of the International Society of Thrombosis and Haemostasis, July 6-12, 2007, Geneva, Switzerland.

Ide, Lucienne

Ide, LM, B Gangadharan, KY Chiang, CB Doering and HT Spencer. 2007. A clinically relevant gene therapy strategy for hemophilia A: non-myeloablative transplantation of hematopoietic stem cells transduced with a high-expression factor VIII transgene. Oral presentation, American Society of Gene Therapy Annual Meeting, May 30-June 3, 2007, Seattle, WA.

Kirkland Henry, Porche'

Kirkland, PD, C Nichols and LL Howell. 2007. Cocaine-primed reinstatement of operant behavior in rhesus monkeys with a prolonged history of cocaine self-administration. Poster presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Kline, Erik

Kline, ER, ER Walp, S Dikalov, DJ Kleinhenz, CM Hart and RL Sutliff. 2007. HIV-1 protein expression increases superoxide and alters aortic endothelial cell function. Poster presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Kline, Erik

Kline, ER, L Bassit, B Hernandez-Santiago, M Detorio, B Liang, DP Jones, RF Schinazi and RL Sutliff. 2007. Mechanisms of nucleoside reverse transcriptase inhibitor-induced endothelial oxidative stress. Poster presentation, Emory University and Medical College of Georgia Pre-Doctoral Symposium for Cardiovascular Research, January 23, 2007, Greensboro, GA.

Mannery, Yanci

Mannery, YO, TR Ziegler and DP Jones. 2007. A chemically defined diet with insufficient sulfur amino acids induces oxidation of plasma cysteine/cystine and glutathione/glutathione disulfide

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redox state in humans. Presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Mannery, Yanci

Mannery, YO, TR Ziegler and DP Jones. 2007. A chemically defined diet with insufficient sulfur amino acids induces oxidation of plasma cysteine/cystine and glutathione/glutathione disulfide redox state in humans. Poster presentation, Department of Pulmonary Medicine Research Symposium - Emory University, Atlanta, GA.

Miles, Leigh

Miles, LA, DL Walker and M Davis. 2007. Further refinement of a behavioral paradigm to analyze short- versus long-duration fear responses. Presentation, New England Science Symposium, March 2, 2007, Boston, MA.

O'Connor, Roderick

OO'Connor, RS and GK Pavlath. 2007. Guanidino acetic acid enhances myonuclear addition in a creatin-kinase dependent manner. Oral presentation, MSP Program Research in Progress, Atlanta, GA.

Thomas, Shala

Du, Y, A Sun, B Lou, Y Lu, SL Thomas, S Sun, R Khuri, G Chen, D Shin, M Shoji, D Liotta, JP Snyder and H Fu. 2007. Development of novel curcumin analogues for the treatment of head and neck cancers. Poster presentation, 15th SPORE Workshop, July 7-10, 2007, Baltimore, MD.

NHS

Barradas, Danielle

Barradas, DT, NJ Thompson, JE Fulton, HM Blanck and S Dai. 2007. Correlates of intention to lose weight among high school athletes. Presentation, American College of Sports Medicine Annual Meeting, March 30-June 2, 2007, New Orleans, LA.

Dai, Jun

Dai, J, AH Miller, D Bremner, J Goldberg, L Jones, R Buckham, N Murrah, E Veledar and V Vaccarino. 2007. Shared environmental and genetic effects do not confound the association between the Mediterranean diet and inflammation. Oral presentation, CVD Epidemiology and Prevention Annual Conference, February 28-March 3, 2007, Orlando, FL.

Daniel, Carrie

Daniel, CR, A Gonzalez-Feliciano, V Fedirko, C Dash, A Shaukat and RM Bostick. 2007. Western diet and lifestyle risk factors and colon crypt expression of TGFalpha, TGFbeta1, and TGFbetaR2 in the markers of adenomatous polyps II case-control study. Oral presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Gregory, Cria

Gregory, CO, ML MCCullough, M Ramirez-Zea and AD Stein. 2007. Development of a diet-quality score in Guatemala. Oral presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

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Herrick, Kirsten

Herrick, K. 2007. Attrition and bias in longitudinal studies-experience in Guatemala. Poster presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Judd, Suzanne

Judd, SE, HM Blanck, ML McCullough, JE Kimmons and EW Gregg. 2007. Assessment of the healthy eating index and HbA1C among non-diabetic adults. Presentation, CDC Diabetes Translation Conference, April 30-May 3, 2007, Atlanta, GA.

Luo, Menghua

Luo, M, C Fernandez-Estivariz, RL Schleicher, N Bazargan, JR Galloway, LM Leader and TR Ziegler. 2007. Prospective analysis of serum carotenoids, retinoids and tocopherols in adults with short bowel syndrome undergoing intestinal rehabilitation and weaning of parenteral nutrition. Presentation, Clinical Nutrition Week 2007, January 28-31, 2007, Phoenix, AZ.

Nguyen, Phuong

Nguyen, PH, R Grajeda, P Melgar, J Marcinkevage, R Flores and R Martorell. 2007. Effects on hemoglobin concentrations in Guatemalan women receiving weekly versus daily iron folic acid supplementations with and without zinc. Poster presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Nguyen, Phuong

Nguyen, PH, R Grajeda, P Melgar, J Marcinkevage, A DiGirolamo, R Flores and R Martorell. 2007. Impacts of micronutrient supplementation on depressive symptoms in Guatemalan women. Poster presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Nguyen, Phuong

Nguyen, PH, TQ Mai, Q Nguyen, HB Duong, JF Phillips and J Hughs. 2007. Impact of poverty reduction policy on commune-level health care in Thai Nguyen Province of Vietnam. Poster presentation, IUHPE World Conference on Health Promotion and Health Education, June 10-15, 2007, Vancouver, Canada.

Nguyen, Phuong

Drammeh, B, PH Nguyen, R Schleicher, CM Pfeiffer, R Jain and M Zhang. 2007. Effects of delayed specimen processing and freezing on serum concentrations of selected nutritional indicators. Poster presentation, Micronutrient Forum 2007, April 16-18, 2007, Istanbul, Turkey.

Phan, Maggie

Phan, MM, JW Scott and LK Sherrill. 2007. Electroolfactograms from retronasal olfaction of ketone odorants. Poster presentation, Nutrition and Health Sciences Poster Session - Emory University, Atlanta, GA.

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Phan, Maggie

Scott, JW, MM Phan and LK Sherrill. 2007. Epithelial and olfactory bulb recordings in the rat indicate that retronasal olfaction is influenced by odorant solubility. Poster presentation, Association for Chemoreception Sciences Annual Meeting, April 25-29, 2007, Sarasota, FL.

Pongcharoen, Tippawan

Pongcharoen, T. 2007. Changes in socioeconomic status and overweight among women in Nepal and Bangladesh. Poster presentation, Experimental Biology, April 28-May 2, 2007, Washington, DC.

NS

Bauzo, Rayna

Bauzo, RM, M Zhou, HL Kimmel and LL Howell. 2007. Role of mGluR2/3 in the behavioral-stimulant effects of cocaine in squirrel monkeys. Presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Bauzo, Rayna

Bauzo, RM, M Zhou, HL Kimmel and LL Howell. 2007. Role of mGluR5 in the behavioral-stimulant effects of cocaine in squirrel monkeys. Presentation, College on Problems in Drug Dependence, June 16-21, 2007, Quebec City, Quebec, Canada.

Davis, Albert

Davis, AA, G Fang, X Huang, J Wess, JJ Lah and AI Levey. 2007. Muscarinic receptor regulation of amyloid precursor protein processing in primary neuronal culture. Oral presentation by Allan Levey, AD/PD 2007 International Conference, March 14-18, 2007, Salzburg, Austria.

Hatcher, Jaime

Hatcher, JM, M Gearing, AI Levey, KD Pennell, and GW Miller. 2007. Elevated levels of chlorinated pesticides in the brain are associated with Parkinson's disease. Poster presentation, Society of Toxicology Annual Meeting, March 25-29, 2007, Charlotte, NC.

Hatcher, Jaime

Hatcher, JM, M Gearing, AI Levey, KD Pennell, and GW Miller. 2007. Elevated levels of chlorinated pesticides in the brain are associated with Parkinson's disease. Poster presentation, Collaborative Center for Parkinson's Disease Environmental Research Annual Conference, 2007, Pacific Grove, CA.

Imboden, Lisa

Imboden, LM, L Chin and L Li. 2007. Interaction of torsinA with novel protein printor is disrupted by dystonia-associated mutation. Poster presentation, Keystone Symposium: Molecular Mechanisms of Neurodegeneration, January 16-21, 2007, Taos, NM.

Katz, Elyse

Katz, ER, TC Deveau, CB Nemeroff, JD Newport, ZN Stowe, JF Cubells and EB Binder. 2007. MRNA levels of BCL2-associated athanogene (BAG1) change during pregnancy and may be associated with glucocorticoid receptor (GR) sensitivity in a high-risk population for peripartum

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depression. Oral presentation, Society of Biological Psychiatry Annual Meeting, May 17-19, 2007, San Diego, CA.

Lee, James

Lee, JT, LS Chin and L Li. 2007. Siah-1 mediated ubiquitination promotes [alpha]-synuclein aggregation and apoptosis. Poster presentation, Keystone Symposium: Molecular Mechanisms of Neurodegeneration, January 16-21, 2007, Taos, NM.

Murnane, Aeneas

Murnane, AC, JE Goeders, LL Howell and WE Fantegrossi. 2007. Effects of the hallucinogen DPT on operant behavior in mice. Poster presentation, Experimental Biology 2007, April 28-May 2, 2007, Washington, DC.

Olzmann, James

Olzmann, JA, L Li and LS Chin. 2007. Parkin promoted recruitment of misfolded DJ-1 to aggresomes. Presentation, Keystone Symposium - Molecular Mechanisms of Neurodegeneration, January 16-21, 2007, Taos, NM.

Webber, Elizabeth

Kirk, EA, L-S Chin and L Li. 2007. GRIF1, a novel regulator of endosomal trafficking. Poster presentation, Winter Conference on Brain Research, January 27-February 3, 2007, Snowmass, CO.

Whatley, Brandi

Whatley, BR, L-S Chin and L Li. 2007. RING finger protein 11 is a novel mitochondrial E3 ubiquitin-protein ligase. Poster Presentation, Keystone Symposium - Molecular Mechanisms of Neurodegeneration, January 16-21, 2007, Taos, NM.

PBEE

Harper, Kristin

Harper, K and G Armelagos. 2007. The origin and evolution of *T. pallidum* as determined by VNTR analysis. Oral presentation, Evolution 2007, June 16-20, 2007, Christchurch, New Zealand.

Huynh, Lynn

Huynh, LY, SR Sandve and J Gimnig. 2007. Fitness costs of pyrethroid resistance in *Anopheles gambiae*. Presentation, Evolution 2007, June 16-20, 2007, Christchurch, New Zealand.

Keebaugh, Elaine

Keebaugh, AC and JW Thomas. 2007. The adaptive significance of gene gain and gene loss in the purine metabolic pathway. Presentation, The Biology of Genomes - Cold Spring Harbor Laboratory Meeting, May 8-12, 2007, Cold Spring Harbor, NY.

Mandl, Judith

Mandl, JN, FJ Barrat, RL Coffman, G Silvestri and MB Feinberg. 2007. Investigating the role of TLR7/9 stimulation in chronic immune activation during SIV infection of rhesus macaques.

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Poster presentation, Keystone Symposia - Molecular and Cellular Determinants of HIV Pathogenesis, March 25-30, 2007, Whistler, BC, Canada.

Mandl, Judith

Mandl, JN, B Lawson, DA Garber, G Silvestri, SI Staprans and MB Feinberg. 2007. Differences in the induction of cellular immune responses to specific virus infections in rhesus macaques and sooty mangabeys relates to altered innate signalling via toll-like receptor 7 & 9. Poster presentation, Keystone Symposia - Immunologic Memory, March 3-8, 2007, Santa Fe, NM.

Milan, Neil

Milan, N and T Schlenke. 2007. Do host plant toxins protect *Drosophila* larvae from wasp parasitism?. Poster presentation, *Drosophila* Research Conference, March 7-11, 2007, Philadelphia, PA.