

## GDBBS Student Peer-Reviewed Publications in Calendar Year 2008

### **BCDB**

#### **Abdulovic, Amy**

Amy Abdulovic, Brenda Minesinger and Sue Jinks-Robertson. 2008. The effect of sequence context on spontaneous Polzeta-dependent mutagenesis in *Saccharomyces cerevisiae*. *Nucleic acids research* 36(6): 2082-93.

#### **Arthur, Connie**

Sean Stowell, Connie Arthur, Kristin Slanina, John Horton, David Smith and Richard Cummings. 2008. Dimeric galectin-8 induces phosphatidylserine exposure in leukocytes through polylectosamine recognition by the carboxyl terminal domain. *The Journal of biological chemistry* In press.

#### **Arthur, Connie**

Sean Stowell, Connie Arthur, Padmaja Mehta, Kristen Slanina, Ola Blixt, Hakon Leffler, David Smith and Richard Cummings. 2008. Galectin-1, -2, and -3 exhibit differential recognition of sialylated glycans and blood group antigens. *The Journal of biological chemistry* 283(15): 10109-23.

#### **Cunningham, Leslie**

Leslie Cunningham and Richard Kahn. 2008. Cofactor D functions as a centrosomal protein and is required for the recruitment of the gamma-tubulin ring complex at centrosomes and organization of the mitotic spindle. *The Journal of biological chemistry* 283(11): 7155-65.

#### **Delva, Emmanuella**

Emmanuella Delva, Jean Jennings, Catharine Calkins, Margaret Kottke, Victor Faundez and Andrew Kowalczyk. 2008. Pemphigus vulgaris IgG-induced desmoglein-3 endocytosis and desmosomal disassembly are mediated by a clathrin and dynamin-independent mechanism. *The Journal of biological chemistry* In press.

#### **Greene, Dina**

Dina Greene, Tzintzuni Garcia, Bryan Sutton, Kim Gernert, Guy Benian and Andres Oberhauser. 2008. Single-molecule force spectroscopy reveals a stepwise unfolding of *C. elegans* giant protein kinase domains. *Biophysical journal* In press.

#### **Harreman, Michelle**

Richard Grant, Neil Marshall, Ji Yang, Milo Fasken, Seth Kelly, Michelle Harreman, David Neuhaus, Anita Corbett and Murray Stewart. 2008. Structure of the N-terminal Mlp1-binding domain of the *Saccharomyces cerevisiae* mRNA-binding protein, Nab2. *Journal of molecular biology* 376(4): 1048-59.

#### **Kelly, Seth**

Richard Grant, Neil Marshall, Ji Yang, Milo Fasken, Seth Kelly, Michelle Harreman, David Neuhaus, Anita Corbett, Murray Stewart. 2008. Structure of the N-terminal Mlp1-binding domain of the *Saccharomyces cerevisiae* mRNA-binding protein, Nab2. *Journal of molecular biology* 376(4): 1048-59.

## **GDBBS Student Peer-Reviewed Publications in Calendar Year 2008**

### **Lange, Allison**

Allison Lange, Ryan Mills, Scott Devine and Anita Corbett. 2008. A PY-NLS Nuclear Targeting Signal Is Required for Nuclear Localization and Function of the *Saccharomyces cerevisiae* mRNA-binding Protein Hrp1. *The Journal of Biological Chemistry* 283(19): 12926-34.

### **McGaha, Lee**

Hiroshi Qadota, Lee McGaha, Kristina Mercer, Thomas Stark, Tracey Ferrara and Guy Benian. 2008. A Novel Protein Phosphatase is a Binding Partner for the Protein Kinase Domains of UNC-89 (Obscurin) in *C. elegans*. *Molecular biology of the cell* In press.

### **Minesinger, Brenda**

Amy Abdulovic, Brenda Minesinger and Sue Jinks-Robertson. 2008. The effect of sequence context on spontaneous Polzeta-dependent mutagenesis in *Saccharomyces cerevisiae*. *Nucleic acids research* 36(6): 2082-93.

### **Reyes, Francisca**

Francisca Reyes, John Shanks, David Komander and Keith Wilkinson. 2008. Recognition of polyubiquitin isoforms by the multiple ubiquitin binding modules of isopeptidase T. *The Journal of biological chemistry* In press.

### **Russell, Nathaniel**

Troy Messick, Nathaniel Russell, Ayaka Iwata, Kathryn Sarachan, Ramin Shiekhattar, John Shanks, Francisca Reyes, Keith Wilkinson and Ronen Marmorstein. 2008. Structural basis for ubiquitin recognition by the Otu1 ovarian tumor domain protein. *The Journal of biological chemistry* 283(16): 11038-49.

### **Tippens, Alyssa**

Alyssa Tippens, Jean Pare, Nicole Langwieser, Sven Moosmang, Teresa Milner, Yolanda Smith and Amy Lee. 2008. Ultrastructural evidence for pre- and postsynaptic localization of Cav1.2 L-type Ca<sup>2+</sup> channels in the rat hippocampus. *The Journal of comparative neurology* 506(4): 569-83.

## **GMB**

### **Allen, Emily**

Sallie Freeman, Lora Bean, Emily Allen, Stuart Tinker, Adam Locke, Charlotte Druschel, Charlotte Hobbs, Paul Romitti, Marjorie Royle, Claudine Torfs, Kenneth Dooley and Stephanie Sherman. 2008. Ethnicity, sex, and the incidence of congenital heart defects: a report from the National Down Syndrome Project. *Genetics in medicine* 10(3): 173-80.

### **Cape, Austin**

Silke Metzger, Juan Rong, Huu Nguyen, Austin Cape, Juergen Tomiuk, Anne Soehn, Peter Propping, Yun Freudenberg, Jan Freudenberg, Liang Tong, Shi Li, Xiao Li and Olaf Riess. 2008. Huntingtin-associated protein-1 is a modifier of the age-at-onset of Huntington's disease. *Human molecular genetics* 17(8): 1137-46.

## GDBBS Student Peer-Reviewed Publications in Calendar Year 2008

### **Carroll, Kathryn**

Takeuchi J, H Ly, H Yamaguchi, KA Carroll, F Kosaka, K Sawaguchi, Y Mitamura, A Watanabe, S Gomi, K Inokuchi and K Dan. 2008. Identification and functional characterization of novel telomerase variant alleles in Japanese patients with bone-marrow failure syndromes. *Blood Cells Mol Dis* 40(2): 185-191.

### **Ferrara, Tracey**

Hiroshi Qadota, Lee McGaha, Kristina Mercer, Thomas Stark, Tracey Ferrara and Guy Benian. 2008. A Novel Protein Phosphatase is a Binding Partner for the Protein Kinase Domains of UNC-89 (Obscurin) in *C. elegans*. *Molecular biology of the cell* In press.

### **Friedman, Meyer**

Meyer Friedman, Chuan Wang, Xiao Li and Shihua Li. 2008. Polyglutamine expansion reduces the association of TATA-binding protein with DNA and induces DNA binding-independent neurotoxicity. *The Journal of biological chemistry* 283(13): 8283-90.

### **Hunter, Jessica**

Jessica Hunter, Michael Epstein, Stuart Tinker, Krista Charen and Stephanie Sherman. 2008. Fragile X-associated primary ovarian insufficiency: evidence for additional genetic contributions to severity. *Genetic epidemiology* In press.

### **Ikeda, Morna**

Bradford Coffee, Morna Ikeda, Dejan Budimirovic, Lawrence Hjelm, Walter Kaufmann and Stephen Warren. 2008. Mosaic FMR1 deletion causes fragile X syndrome and can lead to molecular misdiagnosis: a case report and review of the literature. *American journal of medical genetics. Part A* 146(10): 1358-67.

### **Locke, Adam**

Freeman, Sallie, Lora Bean, Emily Allen, Stuart Tinker, Adam Locke, Charlotte Druschel, Charlotte Hobbs, Paul Romitti, Marjorie Royle, Claudine Torfs, Kenneth Dooley and Stephanie Sherman. 2008. Ethnicity, sex, and the incidence of congenital heart defects: a report from the National Down Syndrome Project. *Genetics in medicine* 10(3): 173-80.

### **Oliver, Tiffany**

Tiffany Oliver, Eleanor Feingold, Kai Yu, Vivian Cheung, Stuart Tinker, Maneesha Yadav, Nirupama Masse and Stephanie Sherman. 2008. New insights into human nondisjunction of chromosome 21 in oocytes. *PLoS genetics* 4(3): e1000033.

### **Pak, Changhui**

Andrea Allan, Xiaomin Liang, Yuping Luo, Changhui Pak, Xuekun Li, Keith Szulwach, Dahua Chen, Peng Jin and Xinyu Zhao. 2008. The loss of methyl-CpG binding protein 1 leads to autism-like behavioral deficits. *Human molecular genetics* In press.

### **Severson, Eric**

## **GDBBS Student Peer-Reviewed Publications in Calendar Year 2008**

Eric Severson, Liangyong Jiang, Andrei Ivanov, Kenneth Mandell, Asma Nusrat and Charles Parkos. 2008. Cis-dimerization mediates function of junctional adhesion molecule a. *Molecular biology of the cell* 19(5): 1862-72.

### **Szulwach, Keith**

Andrea Allan, Xiaomin Liang, Yuping Luo, Changhui Pak, Xuekun Li, Keith Szulwach, Dahua Chen, Peng Jin and Xinyu Zhao. 2008. The loss of methyl-CpG binding protein 1 leads to autism-like behavioral deficits. *Human molecular genetics* In press.

### **Wentworth, Christy**

Rheinallt Jones, Huixia Wu, Christy Wentworth, Liping Luo, Lauren Collier, Andrew Neish. 2008. Salmonella AvrA Coordinates Suppression of Host Immune and Apoptotic Defenses via JNK Pathway Blockade. *Cell host & microbe* 3(4): 233-44.

### **Yang, Shang**

Shang Yang, Pei Cheng, Heather Banta, Karolina Piotrowska, Jin Yang, Eric Cheng, Brooke Snyder, Katherine Larkin, Jun Liu, Jack Orkin, Zhi Fang, Yoland Smith, Jocelyne Bachevalier, Stuart Zola, Shi Li, Xiao Li and Anthony Chan. 2008. Towards a transgenic model of Huntington's disease in a non-human primate. *Nature* In press.

## **IMP**

### **Akinyi, Sheila**

Akinyi, S, et al. 2008. Phylogenetic and structural information on glyceraldehyde-3-phosphate dehydrogenase (G3PDH) in Plasmodium provides functional insights. *Infection, Genetics and Evolution* 8: 205-212.

### **Akinyi, Sheila**

Sheila Akinyi, Jenny Gaona, Esmeralda Meyer, John Barnwell, Mary Galinski and Vladimir Corredor. 2008. Phylogenetic and structural information on glyceraldehyde-3-phosphate dehydrogenase (G3PDH) in Plasmodium provides functional insights. *Infection, genetics and evolution* 8(2): 205-12.

### **Andrews, Nicolas**

Nicolas Andrews, Christopher Pack and Aron Lukacher. 2008. Generation of antiviral major histocompatibility complex I-restricted T cells in the absence of CD8 coreceptors. *Journal of virology* 82(10): 4697-705.

### **Aubert, Rachael**

Sang Ha, Scott Mueller, E Wherry, Daniel Barber, Rachael Aubert, Arlene Sharpe, Gordon Freeman and Rafi Ahmed. 2008. Enhancing therapeutic vaccination by blocking PD-1-mediated inhibitory signals during chronic infection. *The Journal of experimental medicine* 205(3): 543-55.

### **Barber, Daniel**

## **GDBBS Student Peer-Reviewed Publications in Calendar Year 2008**

Sang Ha, Scott Mueller, E Wherry, Daniel Barber, Rachael Aubert, Arlene Sharpe, Gordon Freeman and Rafi Ahmed. 2008. Enhancing therapeutic vaccination by blocking PD-1-mediated inhibitory signals during chronic infection. *The Journal of experimental medicine* 205(3): 543-55.

### **Chahroudi, Ann**

Jacob Estes, Shari Gordon, Ming Zeng, Ann Chahroudi, Richard Dunham, Silvija Staprans, Cavan Reilly, Guido Silvestri and Ashley Haase. 2008. Early Resolution of Acute Immune Activation and Induction of PD-1 in SIV-Infected Sooty Mangabeys Distinguishes Nonpathogenic from Pathogenic Infection in Rhesus Macaques. *Journal of immunology* 180(10): 6798-807.

### **Dauner, Joseph**

Joseph Dauner, Ifor Williams and Joshy Jacob. 2008. Differential microenvironment localization of effector and memory CD8 T cells. *Journal of immunology* 180(1): 291-9.

### **Dunham, Richard**

Jacob Estes, Shari Gordon, Ming Zeng, Ann Chahroudi, Richard Dunham, Silvija Staprans, Cavan Reilly, Guido Silvestri and Ashley Haase. 2008. Early Resolution of Acute Immune Activation and Induction of PD-1 in SIV-Infected Sooty Mangabeys Distinguishes Nonpathogenic from Pathogenic Infection in Rhesus Macaques. *Journal of immunology* 180(10): 6798-807.

### **Dunham, Richard**

Richard Dunham, Barbara Cervasi, Jason Brenchley, Helmut Albrecht, Amy Weintrob, Beth Sumpter, Jessica Engram, Shari Gordon, Nichole Klatt, Ian Frank, Donald Sodora, Daniel Douek, Mirko Paiardini and Guido Silvestri. 2008. CD127 and CD25 expression defines CD4+ T cell subsets that are differentially depleted during HIV infection. *Journal of immunology* 180(8): 5582-92.

### **Dunham, Richard**

Shari Gordon, Richard Dunham, Jessica Engram, Jacob Estes, Zichun Wang, Nichole Klatt, Mirko Paiardini, Ivona Pandrea, Cristian Apetrei, Donald Sodora, Ha Lee, Ashley Haase, Michael Miller, Amitinder Kaur, Silvija Staprans, Alan Perelson, Mark Feinberg and Guido Silvestri. 2008. Short-lived infected cells support virus replication in sooty mangabeys naturally infected with simian immunodeficiency virus: implications for AIDS pathogenesis. *Journal of virology* 82(7): 3725-35.

### **Evans, Andrew**

Andrew Evans, Janice Moser, Laurie Krug, Veranika Pozharskaya, Ana Mora and Samuel Speck. 2008. A gammaherpesvirus-secreted activator of Vbeta4+ CD8+ T cells regulates chronic infection and immunopathology. *The Journal of experimental medicine* 205(3): 669-84.

### **Evans, Andrew**

Dale Stapler, Eun Lee, Saranya Selvaraj, Andrew Evans, Leslie Kean, Samuel Speck, Christian Larsen and Shivaprakash Gangappa. 2008. Expansion of Effector Memory TCR

## GDBBS Student Peer-Reviewed Publications in Calendar Year 2008

V $\beta$ 4+CD8+ T Cells Is Associated with Latent Infection-Mediated Resistance to Transplantation Tolerance. *Journal of immunology* 180(5): 3190-200.

### **Fontana, Judith**

Judith Fontana, Bettina Bankamp, William Bellini and Paul Rota. 2008. Regulation of interferon signaling by the C and V proteins from attenuated and wild-type strains of measles virus. *Virology* 374(1): 71-81.

### **Ford, Mandy**

Joseph Sabatino, John Shires, John Altman, Mandy Ford and Brian Evavold. 2008. Loss of IFN-gamma enables the expansion of autoreactive CD4+ T cells to induce experimental autoimmune encephalomyelitis by a nonencephalitogenic myelin variant antigen. *Journal of immunology* 180(7): 4451-7.

### **Gargano, Lisa**

Lisa Gargano, Janice Moser and Samuel Speck. 2008. Role for MyD88 signaling in murine gammaherpesvirus 68 latency. *Journal of virology* 82(8): 3853-63.

### **Gordon, Shari**

Jacob Estes, Shari Gordon, Ming Zeng, Ann Chahroudi, Richard Dunham, Silvija Staprans, Cavan Reilly, Guido Silvestri and Ashley Haasel. 2008. Early Resolution of Acute Immune Activation and Induction of PD-1 in SIV-Infected Sooty Mangabeys Distinguishes Nonpathogenic from Pathogenic Infection in Rhesus Macaques. *Journal of immunology* 180(10): 6798-807.

### **Gordon, Shari**

Richard Dunham, Barbara Cervasi, Jason Brenchley, Helmut Albrecht, Amy Weintrob, Beth Sumpter, Jessica Engram, Shari Gordon, Nichole Klatt, Ian Frank, Donald Sodora, Daniel Douek, Mirko Paiardini and Guido Silvestri. 2008. CD127 and CD25 expression defines CD4+ T cell subsets that are differentially depleted during HIV infection. *Journal of immunology* 180(8): 5582-92.

### **Gordon, Shari**

Shari Gordon, Richard Dunham, Jessica Engram, Jacob Estes, Zichun Wang, Nichole Klatt, Mirko Paiardini, Ivona Pandrea, Cristian Apetrei, Donald Sodora, Ha Lee, Ashley Haase, Michael Miller, Amitinder Kaur, Silvija Staprans, Alan Perelson, Mark Feinberg and Guido Silvestri. 2008. Short-lived infected cells support virus replication in sooty mangabeys naturally infected with simian immunodeficiency virus: implications for AIDS pathogenesis. *Journal of virology* 82(7): 3725-35.

### **Gordon, Shari**

David Kosub, Ginger Lehrman, Jeffrey Milush, Dejiang Zhou, Elizabeth Chacko, Amanda Leone, Shari Gordon, Guido Silvestri, James Else, Philip Keiser, Mamta Jain and Donald Sodora. 2008. Gamma/Delta T-cell functional responses differ after pathogenic human immunodeficiency virus and nonpathogenic simian immunodeficiency virus infections. *Journal of virology* 82(3): 1155-65.

## GDBBS Student Peer-Reviewed Publications in Calendar Year 2008

### **Klatt, Nichole**

Richard Dunham, Barbara Cervasi, Jason Brenchley, Helmut Albrecht, Amy Weintrob, Beth Sumpter, Jessica Engram, Shari Gordon, Nichole Klatt, Ian Frank, Donald Sodora, Daniel Douek, Mirko Paiardini and Guido Silvestri. 2008. CD127 and CD25 expression defines CD4+ T cell subsets that are differentially depleted during HIV infection. *Journal of immunology* 180(8): 5582-92.

### **Klatt, Nichole**

Shari Gordon, Richard Dunham, Jessica Engram, Jacob Estes, Zichun Wang, Nichole Klatt, Mirko Paiardini, Ivona Pandrea, Cristian Apetrei, Donald Sodora, Ha Lee, Ashley Haase, Michael Miller, Amitinder Kaur, Silvija Staprans, Alan Perelson, Mark Feinberg and Guido Silvestri. 2008. Short-lived infected cells support virus replication in sooty mangabeys naturally infected with simian immunodeficiency virus: implications for AIDS pathogenesis. *Journal of virology* 82(7): 3725-35.

### **Lamar, David**

Marta Czesnikiewicz, Won Lee, Dapeng Cui, Yuko Hiruma, David Lamar, Zhi Yang, Joseph Ouslander, Cornelia Weyand and Jorg Goronzy. 2008. T cell subset-specific susceptibility to aging. *Clinical immunology* 127(1): 107-18.

### **Lo, Michael**

Katrina Sleeman, Bettina Bankamp, Kimberly Hummel, Michael Lo, William Bellini and Paul Rota. 2008. The C, V and W proteins of Nipah virus inhibit minigenome replication. *The Journal of general virology* 89(Pt 5): 1300-8.

### **Lo, Michael**

Louise Ludlow, Michael Lo, Jason Rodriguez, Paul Rota and Curt Horvath. 2008. Henipavirus V Protein Association with Polo-Like Kinase Reveals Functional Overlap with STAT1 Binding and Interferon Evasion. *Journal of virology* In pres.

### **Piggott, Kisha**

Stefan Groschel, Kisha D Piggott, Augusto Vaglio, Wei Ma-Krupa, Karnail Singh, Jorg J Goronzy and Cornelia M Weyand. 2008. TLR-mediated induction of negative regulatory ligands on dendritic cells. *Journal of molecular medicine* 86(4): 443-55.

### **Sabatino, Joseph**

Joseph Sabatino, John Shires, John Altman, Mandy Ford and Brian Evavold. 2008. Loss of IFN-gamma enables the expansion of autoreactive CD4+ T cells to induce experimental autoimmune encephalomyelitis by a nonencephalitogenic myelin variant antigen. *Journal of immunology* 180(7): 4451-7.

### **Sanders, Catherine**

Sanders CJ, Moore DA 3rd, Williams IR, Gewirtz AT. 2008. Both radioresistant and hemopoietic cells promote innate and adaptive immune responses to flagellin. *Journal of immunology* 180(11): 7184-92.

## **GDBBS Student Peer-Reviewed Publications in Calendar Year 2008**

### **Siegel, Andrea**

Andrea Siegel, Jeremy Herskowitz and Samuel Speck. 2008. The MHV68 M2 protein drives IL-10 dependent B cell proliferation and differentiation. *PLoS pathogens* 4(4): e1000039.

### **Siegel, Andrea**

Jeremy Herskowitz, Andrea Siegel, Meagan Jacoby and Samuel Speck. 2008. Systematic mutagenesis of the murine gammaherpesvirus 68 M2 protein identifies domains important for chronic infection. *Journal of virology* 82(7): 3295-310.

### **Stowell, Sean**

Sean Stowell, Connie Arthur, Kristin Slanina, John Horton, David Smith and Richard Cummings. 2008. Dimeric galectin-8 induces phosphatidylserine exposure in leukocytes through polylectosamine recognition by the carboxyl terminal domain. *The Journal of biological chemistry* In press.

### **Stowell, Sean**

Tongzhong Ju, Grainger Lanneau, Tripti Gautam, Yingchun Wang, Baoyun Xia, Sean Stowell, Margaret Willard, Wenyi Wang, Jonathan Xia, Rosemary Zuna, Zoltan Laszik, Doris Benbrook, Marie Hanigan and Richard Cummings. 2008. Human tumor antigens Tn and sialyl Tn arise from mutations in *Cosmc*. *Cancer research* 68(6): 1636-46.

### **Stowell, Sean**

Sean Stowell, Yuning Qian, Sougata Karmakar, Natalia Koyama, Marcelo Dias, Hakon Leffler, Rodger McEver and Richard Cummings. 2008. Differential roles of galectin-1 and galectin-3 in regulating leukocyte viability and cytokine secretion. *Journal of immunology* 180(5): 3091-102.

### **Stowell, Sean**

Sean Stowell, Connie Arthur, Padmaja Mehta, Kristen Slanina, Ola Blixt, Hakon Leffler, David Smith and Richard Cummings. 2008. Galectin-1, -2, and -3 exhibit differential recognition of sialylated glycans and blood group antigens. *The Journal of biological chemistry* 283(15): 10109-23.

### **Szretter, Kristy**

Jeffrey Meisner, Kristy Szretter, Konrad Bradley, William Langley, Zhu Li, Byeong Lee, Sudha Thoennes, Javier Martin, John Skehel, Rupert Russell, Jacqueline Katz and David Steinhauer. 2008. Infectivity studies of influenza virus hemagglutinin receptor binding site mutants in mice. *Journal of virology* 82(10): 5079-83.

## **MMG**

### **Bradley, Konrad**

Zhu Li, Byeong Lee, William Langley, Konrad Bradley, Rupert Russell and David Steinhauer. 2008. Length Requirements For Membrane Fusion of Influenza Hemagglutinin Peptide Linkers to Transmembrane or Fusion Peptide Domains. *Journal of virology* In press.

## GDBBS Student Peer-Reviewed Publications in Calendar Year 2008

### **Bradley, Konrad**

Jeffrey Meisner, Kristy Szretter, Konrad Bradley, William Langley, Zhu Li, Byeong Lee, Sudha Thoennes, Javier Martin, John Skehel, Rupert Russell, Jacqueline Katz and David Steinhauer. 2008. Infectivity studies of influenza virus hemagglutinin receptor binding site mutants in mice. *Journal of virology* 82(10): 5079-83.

### **Dezalia, Mark**

Mark Dezalia and Samuel Speck. 2008. Identification of closely spaced, but distinct transcription initiation sites for the murine gammaherpesvirus 68 latency-associated M2 gene. *Journal of virology* In press.

### **Goller, Carlos**

C Goller and T Romeo. 2008. Environmental influences on biofilm development. *Current topics in microbiology and immunology* 322: 37-66.

### **Goller, Carlos**

Yoshikane Itoh, John Rice, Carlos Goller, Archana Pannuri, Jeannette Taylor, Jeffrey Meisner, Terry Beveridge, James Preston and Tony Romeo. 2008. Roles of pgaABCD genes in synthesis, modification, and export of the *Escherichia coli* biofilm adhesin poly-beta-1,6-N-acetyl-D-glucosamine. *Journal of bacteriology* 190(10): 3670-80.

### **Herskowitz, Jeremy**

Andrea Siegel, Jeremy Herskowitz, Samuel Speck. 2008. The MHV68 M2 protein drives IL-10 dependent B cell proliferation and differentiation. *PLoS pathogens* 4(4): e1000039.

### **Herskowitz, Jeremy**

Jeremy Herskowitz, Andrea Siegel, Meagan Jacoby, Samuel Speck. 2008. Systematic mutagenesis of the murine gammaherpesvirus 68 M2 protein identifies domains important for chronic infection. *Journal of virology* 82(7): 3295-310.

### **Meisner, Jeffrey**

Yoshikane Itoh, John Rice, Carlos Goller, Archana Pannuri, Jeannette Taylor, Jeffrey Meisner, Terry Beveridge, James Preston and Tony Romeo. 2008. Roles of pgaABCD genes in synthesis, modification, and export of the *Escherichia coli* biofilm adhesin poly-beta-1,6-N-acetyl-D-glucosamine. *Journal of bacteriology* 190(10): 3670-80.

### **Meisner, Jeffrey**

Jeffrey Meisner, Kristy Szretter, Konrad Bradley, William Langley, Zhu Li, Byeong Lee, Sudha Thoennes, Javier Martin, John Skehel, Rupert Russell, Jacqueline Katz and David Steinhauer. 2008. Infectivity studies of influenza virus hemagglutinin receptor binding site mutants in mice. *Journal of virology* 82(10): 5079-83.

### **Mercante, Jeffrey**

Marc Lemonnier, Bruce R Levin, Tony Romeo, Kim Garner, Maria-Rosario Baquero, Jeff Mercante, Emmanuel Lemichez, Fernando Baquero and Jesus Blazquez. 2008. The evolution of

## GDBBS Student Peer-Reviewed Publications in Calendar Year 2008

contact-dependent inhibition in non-growing populations of Escherichia coli. Proceedings. Biological sciences / The Royal Society 275(1630): 3-10.

### **Shang, Liang**

Liang Shang, Ling Yue and Eric Hunter. 2008. Role of the membrane-spanning domain of human immunodeficiency virus type 1 envelope glycoprotein in cell-cell fusion and virus infection. Journal of virology 82(11): 5417-28.

### **MSP**

#### **Bush, Cristina**

C Bush and R Hall. 2008. Olfactory receptor trafficking to the plasma membrane. Cellular and molecular life sciences In press.

#### **Chen, Jue**

I Yu, Wei Zhang, Heather Holdaway, Long Li, Victor Kostyuchenko, Paul Chipman, Richard Kuhn, Michael Rossmann and Jue Chen. 2008. Structure of the immature dengue virus at low pH primes proteolytic maturation. Science 319(5871): 1834-7.

#### **Chen, Jue**

Long Li, Shee Lok, I Yu, Ying Zhang, Richard Kuhn, Jue Chen and Michael Rossmann. 2008. The flavivirus precursor membrane-envelope protein complex: structure and maturation. Science 319(5871): 1830-4.

#### **Junge, Candice**

Guido Mannaioni, Anna Orr, Cecily Hamill, Hongjie Yuan, Katherine Pedone, Kelly McCoy, Rolando Palmieri, Candice Junge, C Lee, Manuel Yepes, John Hepler and Stephen Traynelis. 2008. Plasmin potentiates synaptic NMDA receptor function in hippocampal neurons through activation of PAR1. The Journal of biological chemistry In press.

#### **Kline, Erik**

Erik Kline, Dean Kleinhenz, Bill Liang, Sergey Dikalov, David Guidot, C Hart, Dean Jones and Roy Sutliff. 2008. Vascular oxidative stress and nitric oxide depletion in HIV-1 transgenic rats are reversed by glutathione restoration. American journal of physiology. Heart and circulatory physiology In press.

#### **Mandell, Kenneth**

Eric Severson, Liangyong Jiang, Andrei Ivanov, Kenneth Mandell, Asma Nusrat and Charles Parkos. 2008. Cis-dimerization mediates function of junctional adhesion molecule a. Molecular biology of the cell 19(5): 1862-72.

#### **McCoy, Kelly**

Guido Mannaioni, Anna Orr, Cecily Hamill, Hongjie Yuan, Katherine Pedone, Kelly McCoy, Rolando Palmieri, Candice Junge, C Lee, Manuel Yepes, John Hepler and Stephen Traynelis. 2008. Plasmin potentiates synaptic NMDA receptor function in hippocampal neurons through activation of PAR1. The Journal of biological chemistry In press.

## **GDBBS Student Peer-Reviewed Publications in Calendar Year 2008**

### **Mitrano, Darlene**

D Mitrano, C Arnold and Y Smith. 2008. Subcellular and subsynaptic localization of group I metabotropic glutamate receptors in the nucleus accumbens of cocaine-treated rats. Neuroscience In press.

### **Rogge, George**

George Hubert, Douglas Jones, Mark Moffett, George Rogge and Michael Kuhar. 2008. CART peptides as modulators of dopamine and psychostimulants and interactions with the mesolimbic dopaminergic system. Biochemical pharmacology 75(1): 57-62.

### **Williams, Holly**

Alejandra San Martin, Moo Yeol Lee, Holly C Williams, Kensaku Mizuno, Bernard Lassegue, Kathy K Griendling. 2008. Dual regulation of cofilin activity by LIM kinase and Slingshot-1L phosphatase controls platelet-derived growth factor-induced migration of human aortic smooth muscle cells. Circulation research 102(4): 432-8.

### **NHS**

#### **Dai, Jun**

Shaoyong Su, Harold Snieder, Andrew Miller, James Ritchie, J Bremner, Jack Goldberg, Jun Dai, Linda Jones, Nancy Murrah, Jinying Zhao and Viola Vaccarino. 2008. Genetic and environmental influences on systemic markers of inflammation in middle-aged male twins. Atherosclerosis In press.

#### **Dai, Jun**

Jun Dai, Andrew Miller, J Bremner, Jack Goldberg, Linda Jones, Lucy Shallenberger, Rocky Buckham, Nancy Murrah, Emir Veleidar, Peter Wilson and Viola Vaccarino. 2008. Adherence to the mediterranean diet is inversely associated with circulating interleukin-6 among middle-aged men: a twin study. Circulation 117(2): 169-75.

#### **Iyer, Smita**

Smita Iyer and Mauricio Rojas. 2008. Anti-inflammatory effects of mesenchymal stem cells: novel concept for future therapies. Expert opinion on biological therapy 8(5): 569-81.

#### **Judd, Suzanne**

Natasha Khazai, Suzanne Judd and Vin Tangpricha. 2008. Calcium and vitamin D: skeletal and extraskeletal health. Current rheumatology reports 10(2): 110-7.

#### **Judd, Suzanne**

Linda Wolfenden, Suzanne Judd, Reshma Shah, Rupan Sanyal, Thomas Ziegler and Vin Tangpricha. 2008. Vitamin D and bone health in adults with cystic fibrosis. Clinical endocrinology In press.

#### **Judd, Suzanne**

## **GDBBS Student Peer-Reviewed Publications in Calendar Year 2008**

Suzanne Judd, Mark Nanes, Thomas Ziegler, Peter Wilson and Vin Tangpricha. 2008. Optimal vitamin D status attenuates the age-associated increase in systolic blood pressure in white Americans: results from the third National Health and Nutrition Examination Survey. *The American journal of clinical nutrition* 87(1): 136-41.

### **Luo, Menghua**

Concepcion F Estivariz, Menghua Luo, Kayellen Umeakunne, Niloofar Bazargan, John R Galloway, Lorraine M Leader and Thomas R Ziegler. 2008. Nutrient intake from habitual oral diet in patients with severe short bowel syndrome living in the southeastern United States. *Nutrition* 24(4): 330-9.

### **Luo, Menghua**

Menghua Luo, Niloofar Bazargan, Daniel P Griffith, Concepcion F Estivariz, Lorraine M Leader, Kirk A Easley, Nicole M Daignault, Li Hao, Jon B Meddings, John R Galloway, Jeffrey B Blumberg, Dean P Jones and Thomas R Ziegler. 2008. Metabolic effects of enteral versus parenteral alanyl-glutamine dipeptide administration in critically ill patients receiving enteral feeding: a pilot study. *Clinical nutrition* 27(2): 297-306.

### **Luo, Menghua**

Menghua Luo, Concepcion Fernandez, Dean Jones, Carolyn Accardi, Birgit Alteheld, Niloofar Bazargan, Li Hao, Daniel Griffith, Jeffrey Blumberg, John Galloway and Thomas Ziegler. 2008. Depletion of plasma antioxidants in surgical intensive care unit patients requiring parenteral feeding: effects of parenteral nutrition with or without alanyl-glutamine dipeptide supplementation. *Nutrition* 24(1): 37-44.

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