

Molecular Genetics & Microbiology Graduate Program Newsletter

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Publications

Bombardelli, L., Carpenter, E.S., Wu, A.P., Alston, N., [Delgiorno, K.E.](#), and Crawford, H.C. (2010) Pancreas-specific ablation of beta1 integrin induces tissue degeneration by disrupting acinar cell polarity. *Gastroenterology*, in press.

[Czura, C.J.](#), Schultz, A., Kaipel, M., Khadem, A., Huston, J.M., Pavlov, V.A., Redl, H., and Tracey, K.J. (2010) Vagus nerve stimulation regulates hemostasis in swine. *Shock*, in press.

[Feres, K.J.](#), and Hayman, M.J. (2010) RON-expressing MCF-10A breast epithelial cells exhibit alterations of hyaluronan expression, promoting RON-mediated early adhesion events. *Biochemical and Biophysical Research Communications* (391): 1604-1609.

[Li, Q.](#), Ng, T.W., Dodson, K.W., Shu Kin So, S., Bayle, K.M., Pinkner, J.S., Scarlata, S., Hultgren, S.J., and Thanassi, D.G. (2010) The differential ability of the usher for chaperone-subunit complexes is required for assembly of complete pili. *Molecular Microbiology*, in press.

[Mulligan, E.A.](#), Hatchwell, E., McCorkle, S.R., and Dunn, J.J. (2010) Differential binding of *Escherichia coli* McrA protein to DNA sequences that contain the dinucleotide m5CpG. *Nucleic Acids Research* (38): 1997-2005.

[Navin, N.](#), and Hicks, J. (2010) Tracing the tumor lineage. *Molecular Oncology* (in press).

[Navin, N.](#), Krasnitz, A., Rodgers, L., Cook, K., Meth, J., Kendall, J., Riggs, M., Eberling, Y., Troge, J., Grubor, V., Levy, D., Lundin, P., Månér, S., Zetterberg, Z., Hicks, J., and Wigler, M. (2010) Inferring tumor progression from genomic heterogeneity. *Genome Research* (20): 68-80.

Noah, C.E., Malik, M., [Bublitz, D.C.](#), Camenares, D., Sellati, T.J., Benach, J.L., and Furie, M.B. (2010) GroEL and lipopolysaccharide from *Francisella tularensis* live vaccine strain synergistically activate human macrophages. *Infection and Immunity* (78): 1797-1806.

Platz, G.J., [Bublitz, D.C.](#), Mena, P., Benach, J.L., Furie, M.B., and Thanassi, D.G. (2010) A tolC mutant of *Francisella tularensis* is hypercytotoxic and elicits increased proinflammatory responses from host cells. *Infection and Immunity* (78): 1022-1031.

Quigley, B.R., [Hatkoff, M.](#), Thanassi, D.G., Ouattara, M., Eichenbaum, Z. and Scott, J.R. (2010) A foreign protein incorporated on the tip of T3 pili in *Lactococcus lactis* elicits systemic and mucosal immunity. *Infection and Immunity* (78): 1294-1303.

[Zheng, Y.](#), and Bliska, J.B. (2010) YopJ-promoted cytotoxicity and systemic colonization is associated with higher levels of murine IL-18, IFN γ and neutrophils in a live vaccine model fo *Yersinia pseudotuberculosis* infection. *Infection and Immunity*, in press.

Conference Presentations

Navin, N., Kendall, J., Cook, K., Troge, J., Stepansky, A., Esposito, D., Hicks, J., and Wigler, M. 2010. Tumor Progression Revealed by Sequencing 100 Single Cells in a Heterogeneous Breast Carcinoma. James Watson Cancer Symposium, Suzhuo, China.

Shin, H.Y., Iyer, J., and Reich, N. 2009. STAT5a Nuclear Trafficking. Tri-Society Annual Conference (Society for Leukocyte Biology, International Cytokine Society, and International Society for Interferon and Cytokine Research).

Zeituni, A.E., McCaig, W., Scisci, E., Carrion, J.A., Thanassi, D.G., and Cutler, C.W. 2010. Native 67 kDa Minor Fimbriae of *Porphyromonas gingivalis* is a novel glycoprotein with DS-SIGN-Targeting Motifs. National Institute of Dental and Craniofacial Research Trainee Day, Bethesda, MD.

First-Year Student Rotations

Patrick McLaughlin: Wei-Xing Zong, Jim Bliska, Ando van der Velden

Brodie Miles: Nancy Reich Marshall, Patrick Hearing, Laurie Krug

Nana Minkah: Laurie Krug, Wei-Xing Zong, Erich Mackow

Esmat Ucisk-Akkaya: Jamie Konopka, Aaron Neiman, Wali Karzai

Xingmin Xiang: Eckard Wimmer, Nancy Reich, Jim Bliska

Yueting Zheng: Laurie Krug, David Thanassi, Patrick Hearing

Dissertation Defense

Nicholas Navin will defend his dissertation, "Inferring Tumor Progression from Genomic Heterogeneity", at 10:00 AM on July 9, 2010 in the Wendt Building Hawkins Conference Room at Cold Spring Harbor Laboratory.

Awards

Ha Youn Shin (2009); Milstein Travel Award of \$250 to attend the Tri-Society Annual Conference (Society for Leukocyte Biology, International Cytokine Society, and International Society for Interferon and Cytokine Research), Lisbon, Portugal.

Save the Date

The Stony Brook University Cancer Center and Department of Molecular Genetics and Microbiology symposium "Cancer Stem Cells, Differentiation and Metastasis" is scheduled for Tuesday, April 27, 2010. The symposium will be held in the Wang Center from 10:15 AM - 5:00 PM (coffee service begins at 9:45 AM).