

Molecular Genetics & Microbiology Graduate Program Newsletter

Fall, 2011 Vol. 4, No. 3



☒ Publications

Felek, S., Jeong, J.J., **Runco, L.M.**, Murray, S., Thanassi, D.G., and Krukoni, E.S. 2011. Contributions of chaperone/usher systems to cell binding, biofilm formation and *Yersinia pestis* virulence. *Microbiology* 157: 805-818.

Karen, K.A., and Hearing, P. 2011. Adenovirus core protein VII protects the viral genome from a DNA damage response at early times after infection. *Journal of Virology* 85: 4135-4142. This paper has been selected as an article of significant interest by the Editors and is featured in the Spotlight section for this issue.

Navin, N., Kendall, J., Troge, J., Andrews, P., Rodgers, L., McIndoo, J., Stepanky, A., Levy, D., Esposito, D., Muthuswamy, L., Krasnitz, A., McCombie, W.R., Hicks, J., and Wigler, M. 2011. Tumor evolution inferred by single-cell sequencing. *Nature* 472: 90-94.

Zheng, Y., Lilo, S., Brodsky, I.E., Zhang, Y., Medzhitov, R., Marcu, K.B., and Bliska, J.B. 2011. A *Yersinia* effector with enhanced inhibitory activity on the Nk κ B pathway activates the NLRP3/ASC/caspase-1 inflammasome in macrophages. *PLoS Pathogens* 7(4):e1002026.

☒ Conference Presentations

Bublitz, D.C., and Furie, M.B. 2011. Characterizing How *Francisella tularensis* Suppresses the Proinflammatory Response of Endothelial Cells. 111th Annual Meeting of the American Society for Microbiology, New Orleans, L.A.

Bublitz, D.C., and Furie, M.B. 2011. Characterizing How *Francisella tularensis* Suppresses the Proinflammatory Response of Endothelial Cells. Gordon Conference: Microbial Adhesion and Signal Transduction. Newport, RI.

Crowley, J.T., and Benach, J.L. 2011. Transfer of *Borrelia*-Derived Fluorescent Lipids to Eukaryotic Cells. 111th Annual Meeting of the American Society for Microbiology, New Orleans, L.A.

DelGiorno, K., and Crawford, H. 2011. The Biology of Cancer: Microenvironment, Metastasis and Therapeutics. Cold Spring Harbor, NY.

Doyle, C.R., Platz, G.J., Mena, P., Benach, J.L., and Thanassi, D.G. 2011. *Francisella tularensis* LVS Inhibits Caspase-3 Activation During Early Stages of Infection in a TolC-Dependent Manner. 111th Annual Meeting of the American Society for Microbiology, New Orleans, LA.

Hatkoff, M.R., Runco, L.M., Pujol, C., Bliska, J.B., and Thanassi, D. 2011. Role of the Chaperone/Usher Pathways of *Yersinia pestis* in Interactions with Host Cells and Virulence. 111th Annual Meeting of the American Society for Microbiology, New Orleans, LA.

Recent Graduate

Ying Zheng defended her dissertation, "Mechanism of YopJ-Induced Cell Death and Caspase-1 Activation in Macrophages Infected with *Yersinia*", on August 18, 2011.

Incoming Students Fall 2011

Please help us welcome the following four students to the program:

Lawton Chung, University of California Irvine (B.S., Biological Sciences)
Barbara Fallon, Cornell University (B.S., Chemistry and Chemical Biology)
Eve Klajbor, Mercyhurst College (B.S., Biochemistry)
Benjamin Macaluso, University of Miami (B.S., Microbiology)

Rotation Dates for 2011 - 2012

Fall	August 29 - November 25
Winter	November 28 - February 3
Spring	February 6 - May 4

First-Year Students Join Labs

Peter Chahales: David Thanassi's lab
Dane Buenten: Jamie Konopka's lab
Shuqi Yan: Bruce Futcher's lab
Jing Yang: Yupu Ma's lab
Siwei Zhang: Nicholas Tonks' lab

Save the Date!!

The annual retreat held by the Department of Molecular Genetics & Microbiology will be held this year on Friday October 14th at the Port Jefferson Village Center from 10 AM to 6 PM. There will be a series of talks given by faculty members, a poster session, the presentation of graduate student awards and great food!