

# Molecular Genetics & Microbiology Graduate Program Newsletter

Fall, 2013 Vol. 6, No. 3



## 📖 2013 Publications

Ali, W.H., Chen, Q., **DelGiorno, K.E.**, Su, W., Hall, J.C., Hongu, T., Tian, H., Kanaho, Y., Di Paolo, G., Crawford, H.C., and Frohman, M.A. 2013. Deficiencies of the lipid-signaling enzymes phospholipase D1 and D2 alter cytoskeletal organization, macrophage phagocytosis, and cytokine-stimulated neutrophil recruitment. *PLoS One* 8(1): e55325.

Coleman, J.L., **Crowley, J.T.**, Toledo, A.M., and Benach, J.L. 2013. The HtrA protease of *Borrelia burgdorferi* degrades outer membrane protein BmpD and chemotaxis phosphatase CheX. *Molecular Microbiology* 88(3): 619-633.

**Crowley, J.T.**, Toledo, A.M., LaRocca, T.J., Coleman, J.L., London, E., and Benach, J.L. 2013. Lipid exchange between *Borrelia burgdorferi* and host cells. *PLoS Pathogens* 9(1): e1003109.

**DelGiorno, K.E.**, Hall, J.C., Takeuchi, K.K., Pan, F.C., Halbrook, C.J., Washington, M.K., Olive, K.P., Spence, J., Sipos, B., Wright, C.V., Wells, J.M., and Crawford, H.C. 2013. Identification and manipulation of biliary metaplasia in pancreatic tumors. *Gastroenterology*, in press.

**Miles, B.**, Scisci, E., Carrion, J., Sabino, G., Genco, C.A., and Cutler, C.W. 2013. Non-canonical dendritic cell survival driven by a bacteremic pathogen. *Journal of Leukocyte Biology* 94(2): 281-289.

Sahashi, K., Ling, K.K., Hua, Y., Wilkinson, J.E., **Nomakuchi, T.**, Rigo, F., Hung, G., Xu, D., Jiang, Y.P., Lin, R.Z., Ko, C.P., Bennett, C.F., and Krainer, A.R. 2013. Pathological impact of SMN2 mis-splicing in adult SMA mice. *EMBO Molecular Medicine* 5(10): 1586-1601.

**Shin, H.Y.**, and Reich, N.C. 2013. Dynamic trafficking of STAT5 depends on an unconventional nuclear localization signal. *Journal of Cell Science* 126: 3333-3343.

**Wu, K.**, Orozco, D., and Hearing, P. 2013. The adenovirus L4-33K protein regulates both late gene expression patterns and viral DNA packaging. *Journal of Virology* 87: 6739-6747. Chosen by the Editors as a Spotlight article of significant interest.

**Yang, C.**, Skiena, S., Futcher, B., Mueller, S., and Wimmer, E. 2013. Deliberate reduction of hemagglutinin and neuraminidase expression of influenza virus leads to an ultraprotective live vaccine in mice. *Proceedings of the National Academy of Sciences USA* 110(23): 9481-9486.

**Zheng, Y.**, and Hearing, P. The use of chromatin immunoprecipitation (ChIP) to study the binding of viral proteins to the adenovirus genome in vivo. *Methods in Molecular Biology*, in press.

## ☒ 2013 Conferences

**Miles, B.**, and Cutler, C.W. Differentiation and Survival of Dendritic Cells upon *Porphyromonas gingivalis* Infection. 2013 AADR/IADR General Exhibition, Seattle, WA. Johnson & Johnson Hatton Award Finalist; Oral Presentation and Poster Presentation.

**Minkah, N.**, Chavez, K., Landau, N., and Krug, L.T. Host Restriction of Murine Gammaherpesvirus 68 Replication by Human APOBEC3 Cytidine Deaminases but not Murine APOBEC3. International Herpesvirus Workshop, Grand Rapids, MI.

**Tam, J.W.**, Kullas, A.L., Mena, P., and van der Velden, A. Complex Role of Immature Myeloid Cells in *Salmonella typhimurium* infection. Immunology 2013, AAI Annual Meeting, Honolulu, HI.

**Werneburg, G.T.**, Henderson, N.S., and Thanassi, D.G. Dissecting Usher-Cheperon-Subunit Interactions During Pilus Biogenesis. 2013. 113<sup>th</sup> General Meeting of the American Society for Microbiology, Denver, CO.

## ☒ 2013 Awards

**Bridges, Rebecca.** 2013. Department of Molecular Genetics & Microbiology Outstanding Teaching Assistant Award, \$200.

**Chahales, P.** 2013. Kevin King/John Miller Travel Scholarship, \$400.

**Espaillet, Mel Pillar.** 2013. Department of Molecular Genetics & Microbiology Outstanding Teaching Assistant Award, \$200.

**Gardin, Justin.** 2013. Department of Molecular Genetics & Microbiology Outstanding Teaching Assistant Award, \$200.

**Kopping, Erik.** 2013. Department of Molecular Genetics & Microbiology Outstanding Teaching Assistant Award, \$200.

**Miles, B.** 2013 Johnson & Johnson Hatton Award Finalist. AADR/IADR General Exhibition, Seattle, WA.

**Miles, B.** 2013. IADR Microbiology/Immunology Group Travel Award, \$1,000.

**Tam, Jason.** 2013. Department of Molecular Genetics & Microbiology Retreat Best Poster Award, \$75.

**Tam, Jason.** 2013. Department of Molecular Genetics & Microbiology Distinguished Service Award, \$350.

**Zheng, Yueting.** 2013. Department of Molecular Genetics & Microbiology Teresa Haire Memorial Award, \$250.

## 2013 Graduates

Dr. Jameson Crowley; postdoctoral fellow in the Center for Immunology and Inflammatory Diseases, Massachusetts General Hospital.

Dr. Brodie Miles; postdoctoral fellow in the Division of Infectious Diseases, University of Colorado Denver.

Dr. Ha Youn Shin; postdoctoral fellow in the Department of Molecular Genetics and Microbiology, Stony Brook University.

Dr. Chen Yang; postdoctoral fellow in the Department of Molecular Genetics and Microbiology, Stony Brook University.

## Rotation Dates for 2013 - 2014

Fall	August 26 - November 22
Winter	November 25 - February 7
Spring	February 10 - May 9