

# Molecular Genetics & Microbiology Graduate Program Newsletter

Summer, 2013 Vol. 6, No. 2



## 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.

**Miles, B.**, Scisci, E., Carrion, J., Sabino, G., Genco, C.A., and Cutler, C.W. Non-canonical dendritic cell survival driven by a bacteremic pathogen. *Journal of Leukocyte Biology*, in press.

**Shin, H.Y.**, and Reich, N.C. 2013. Dynamic trafficking of STAT5 depends on an unconventional nuclear localization signal. *Journal of Cell Science*, in press.

**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.

## 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

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.

## First-Year Students Join Labs

Rebecca Bridges (P. Hearing)

Erik Kopping (D. Thanassi)

Mel Pilar Espallat (L. Obeid)

## Dissertation Defenses

Jameson Crowley will defend his dissertation, "Lipid Exchange Between *Borrelia burgdoferi* and Host Cells", on July 15, 2013 at 10:30 AM in Life Sciences room 038.

Ha Youn Shin successfully defended her dissertation, "Regulation of Nuclear-cytoplasmic Transport of STAT5 Transcription Factor", on July 9, 2013.

## 2013 Graduates

Dr. Brodie Miles; postdoctoral fellow in the Department of Periodontics, Georgia Health Sciences University.

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

## Incoming Students, Fall 2013

Brinda Alagesan (B.S., University of Pennsylvania; MSTP student)

Eric Burton (B.S., Stockton College)

Brian Carrey (B.S., Coastal Carolina University)

Kaustubh Parashar (M.S., Stony Brook University)

Arielle Scardino (B.S., City College of New York)

Nick Van Skyke (B.S., Southwest Missouri State)

The Admissions Committee would like to thank all the faculty members and graduate students who participated in recruitment this year.

## Advanced Readings Course, Fall 2013

The topic for the journal club-style course, HBM 695 Advanced Readings in Molecular Genetics & Microbiology will be Immunology of Infectious Diseases and Vaccines for the fall semester 2013. All biomedical graduate students who have passed the qualifying exam are welcomed to enroll in the course. The class will be held on Tuesdays 11:00 - 12:00 noon in the Life Sciences second floor conference room (first day of class is Aug. 27).

## Save the Date!

The 35<sup>th</sup> annual retreat of the Department of Molecular Genetics and Microbiology will take place on Friday, October 11, 2013 at the Port Jefferson Village Center. All graduate students are encouraged to present the results of their research at the retreat's poster session.