

Molecular Genetics & Microbiology Graduate Program Newsletter

Fall, 2009 Vol. 2, No. 3



Publications

Grubor, V., Krasnitz, Z., Troge, J.E., Meth, J.L., Lakshmi, B., Kendall, J.T., Yamrom, B., Alex, G., Pai, D., Navin, N., Hufnagel, L.A., Lee, Y.Y., Cook, K., Allen, S.L., Rai, K.R., Damle, R.N., Calissano, C., Chrriorazzi, N., Wigher, M., and Esposito, D. (2009) Novel genomic alterations and clonal evolution in chronic lymphocytic leukemia revealed by representational oligonucleotide microarray analysis (ROMA). *Blood* (113): 1294-1303.

Karen, K.A., Hoey, P.J., Young, C.S.H., and Hearing, P. Temporal regulation of the MRN complex during adenovirus infection. *Journal of Virology* (83): 4565-4573.

Diamond, A.E., Park, J.S., Tachikawa, H., and Neiman, A.M. (2009) The anaphase promoting complex targeting Ama1 links meiotic exit to cytokinesis during sporulation in *Saccharomyces cerevisiae*. *Molecular Biology of the Cell* (20): 134-145.

LaRocca, T.J., Holthausen, D.J., Hsieh, C., Renken, C., Mannella, C.A., and Benach, J.L. (2009) The bactericidal effect of a complement-independent antibody is osmolytic and specific to *Borrelia*. *Proceedings of the National Academy of Sciences* (106): 10752-10757.

Mueller, S., Coleman, J.R., and Wimmer, E. (2009) Putting synthesis into biology: a viral view of genetic engineering through de novo gene and genome synthesis. *Chemical Biology* (16): 337-347.

Noel, B.L., Lilo, S., Capurso, D., Hill, J., and Bliska, J. (2009) *Yersinia pestis* can bypass protective antibodies to LcrV and activation with IFN γ to survive and induce apoptosis in murine macrophages. *Clinical Vaccine and Immunology*, in press.

Quigley, B.R., Zähler, D., Hatkoff, M., Thanassi, D.G., and Scott, J.R. (2009) Linkage of T3 and Cpa pilins in the *Streptococcus pyogenes* M3 pilus. *Molecular Microbiology* (72): 1379-1394.

Viladevall, L., St. Amour, C.V., Rosebrock, A., Schneider, S., Zhang, C., Allen, J.J., Shokat, K.M., Schwer, B., Leatherwood, J.K., and Fisher, R.P. TFIIH and P-TEFb coordinate transcription with capping enzyme recruitment at specific genes in fission yeast. *Molecular Cell* (33): 738-751.

Zeituni, A.E., Jotwani, R., Carrion, J., and Cutler, C.W. (2009) Targeting of DC-SIGN on human dendritic cells by minor fimbriated *Porphyromonas gingivalis* strains elicits a distinct effector T cell response. *Journal of Immunology*, in press.

Second-Year Students Join Labs

Jameson Crowley ~ Jorge Benach's lab

Christopher Doyle ~ David Thanassi's lab

Alexis Santana ~ Laurie Krug's lab

Kathleen Delgiorno ~ Howard Crawford's lab

Elitza Ivanova ~ Carol Carter's lab

Jason Tam ~ Ando van der Velden's lab

✦ Please help us welcome the following new students to the Program:

Patrick McLaughlin; B.S., Rochester Institute of Technology
Brodie Miles; B.S., Oregon State University
Nana Minkah; B.S., Dickinson College
Esma Ucisik-Akkaya; M.S., Istanbul Technical University
Chen Yang; M.S., Drexel University (E. Wimmer group)
Xingmin Xhang; B.S., Shandong University
Yueting Zheng; M.S., Wuhan University

✦ Recent Graduates

Christopher Czura defended his dissertation entitled "Neural Regulation of Inflammation and Bleeding" on July 7, 2009. Chris will continue working at the Feinstein Institute for Medical Research as Vice President for Scientific Affairs.

Kasey Karen defended her dissertation, "The Interplay Between Adenovirus and the Double-Strand Break Repair Response in the Struggle to Replicate", on July 24, 2009. Kasey will conduct her postdoctoral training in the laboratory of John Nicholas at the Johns Hopkins Bloomberg School of Public Health.

Elizabeth Mulligan defended her dissertation entitled "" on August 12, 2009. Beth will continue her training at Brookhaven National Laboratory as a postdoctoral fellow in the laboratory of Elana Shumay.

Adam Rosebrock defended his dissertation, "Regulation of Transcription in the Fission Yeast *Schizosaccharomyces pombe*", on July 15, 2009. Adam is conducting postdoctoral research at Cold Spring Harbor Laboratory in Greg Hannon's group.

Congratulations to all!

✦ Upcoming Dissertation Defense

Qinyuan Li will defend her dissertation on November 11, 2009 at 10:00 AM.

✦ Alumna Sally Lynch (PhD, 1988) Recipient of a 2009 Distinguished Alumnus Award



Dr. Sally A. Lynch, a graduate of the Program in Molecular Genetics and Microbiology, is a recipient of the Stony Brook University Alumni Association's 2009 Distinguished Alumnus Award. Dr. Lynch trained in the laboratory of Professor Joan Brugge and received her PhD in 1988. After the completion of postdoctoral training in the Division of Solid Tumor Immunobiology at Memorial Sloan-Kettering Cancer Center, Dr. Lynch worked as an independent consultant on biotechnology and medical devices to investment management companies. She assumed her current position as Vice President of General American Investors Co., Inc. in 1997 where she is responsible for securities in the biotechnology and pharmaceutical industries. Dr. Lynch co-established Old Field Farm Ltd., a nonprofit organization dedicated to the restoration and operation of Field Farm County Park in Setauket, NY for equestrian and

community-related activities. Dr. Lynch and three other recipients of the 2009 Distinguished Alumnus Award will be honored at a reception on November 20, 2009 at the Wang Center.

✦ Training Faculty Member Elizabeth Boon Receives a Presidential Early Career Award

Dr. Elizabeth Boon, an Assistant Professor in the Department of Chemistry and a member of the MGM training faculty, has received a prestigious Presidential Early Career Award for Scientists and Engineers. The award is the highest honor given by the Federal Government in recognition of young scientists and engineers and it includes research funding for up to five years. Dr. Boon will receive the award at a ceremony at the White House this fall.



✦ MGM Retreat

The annual Molecular Genetics and Microbiology retreat has been rescheduled. Please note that it will be held on Friday, October 2nd at the Port Jefferson Village Center. The retreat will include a poster session and all graduate students in the MGM Program as well as all students training in MGM laboratories are expected to participate.

✦ Save the Date!

The Molecular Genetics and Microbiology Holiday Party has been scheduled for Friday evening, December 4th. The event will be held at the Old Field Club.

✦ Reminder

Please let Janet Hearing know of papers that have been accepted for publication, awards, and conferences attended for inclusion in future newsletters.