

Student Papers and Presentations

2006

Backues, E.*, D. M. Loprete, and T. W. Hill. Complementation of a Calcofluor-hypersensitive mutant in *Aspergillus nidulans*. 13th Southeastern Regional Yeast Meeting, Hattiesburg, MS, March 2006.

Bonhert, K. A.* and R. Cappellato. Valuation of ecosystem services of Overton Park, Memphis, Tennessee, Ecological Society of America, Memphis, TN August 2006.

Brown, T. C.*, V. Smith*, A. G. Teepe, T. W. Hill, and D. M. Loprete. Complementation of a wall integrity defect in a mutant of *Aspergillus nidulans*. 13th Southeastern Regional Yeast Meeting, Hattiesburg, MS, March 2006.

Campion, C. M.*, T. M. Bell*, and D. H. Kesler. An assessment of individual annual growth rate, spread rate, and density of *Asimina triloba* in Overton Park, (Memphis, Tennessee. Tennessee Academy of Science, Memphis, TN, March 2006

Cook, R. E.* and M.E. Miller. Characterization of the MCS9 Suppressor of Mis-localized G1 Cyclin Cln3 in *Saccharomyces cerevisiae*. South Eastern Regional Yeast Meeting. 2006. Hattiesburg, MS

Mercer, S. M.*, D. M. Loprete, and T. W. Hill. A novel polarity mutant in the filamentous fungus *Aspergillus nidulans*. 13th Southeastern Regional Yeast Meeting, Hattiesburg, MS, March 2006.

Stratton, M.* The role of light and oxygen in *Chaoborus pentipennis* diel vertical migration. Tennessee Academy of Science, Memphis, TN, March 2006.

2005

Cain, M.D.*, R. Bowden, M. Leslie, and J.D. Schuetz. Role of MRP4 in testosterone transport. Tennessee Academy of Science, Memphis, TN, March 2005.

Devitt, J. A.*, C. P. Fenster, and J. A. Blundon. Electrophysiological investigation of the effects of NI-16 on long term potentiation in mouse hippocampal slices. Tennessee Academy of Science, Memphis, TN, March 2005

Fay, L. M.*, S. R. Vance*, C. V. Sartain*, L. Jackson-Hayes, T. W. Hill, and D. M. Loprete. Putative mannose transporters complement Calcofluor hypersensitivity and hyperbranching in a mutant of *Aspergillus nidulans*. Southeast Regional Yeast Meeting. March 2005, Atlanta, GA.

Hilliard, R. W.* and R. W. Kriwacki. Structural evaluation of the n-terminal region of choline binding protein A, the major adhesion of *Streptococcus pneumoniae*. Tennessee Academy of Science. Memphis, TN, March 2005.

Huerta, M.*, G. Ulett, and E. Adderson. Group B *Streptococcus* (GBS) induces caspase-mediated apoptosis of respiratory epithelial cells. Tennessee Academy of Science. Memphis, March 2005. (1st place winner)

Jameson, K. L.* and M. E. Miller. MCS9 is Able to Suppress the Lethal Phenotype of Mis-Localized G1 Cyclin Cln3 in the Budding Yeast *Saccharomyces cerevisiae*. Georgia Institute of Technology. Atlanta, GA. 2005. (1st place winner)

Miller, M.E. F. R. Cross, A. Groeger*, and K. L. Jameson*. 2005. Identification of novel and conserved functional and structural elements of the G1 Cyclin Cln3 important for interactions with the Cdk, Cdc28 in *S. cerevisiae*. *Yeast* Oct 15;22(13):1021-36.

Nwaobi, S. E. Determining NIL-16 and KV4.2 interaction and reducing NIL-16 via SIRNA. Tennessee Academy of Science. Memphis, TN, March 2005. (2nd place winner)

Petkovich, B. W.* , J. A. Blundon, and C. P. Fenster. The role of interleukin-16 in motor learning. Tennessee Academy of Science, Memphis, TN, March 2005.

Sartain, C. V.* , A. G. Teepe, T. W. Hill, and D. M. Loprete. A broad-spectrum high-copy suppressor of Calcofluor hypersensitivity in *Aspergillus nidulans*. International Union of Microbiological Sciences. July 2005. San Francisco, California.

2004

Bartmess, K.* and J. McCullers 2004. Effect of glycosylation on the virulence of influenza A (H3N2) viruses. *J. Tenn. Acad. Sci.* 79:73.

Culpepper, S.* , J. Blundon, and M. Dyer. 2004. Development of new chemotherapy treatment for retinoblastoma. *J. Tenn. Acad. Sci.* 79:74

Dobyns, K. E.* and J. Blundon. 2004. Using an eight-arm radial maze to study learning and memory in mice lacking interleukin-16. *J. Tenn. Acad. Sci.* 79:74

Fay, L. M.* , T. Hill, and D. Loprete. 2004. Identification of a gene affecting calcofluor resistance, branching and septum placement in *Aspergillus nidulans*. *J. Tenn. Acad. Sci.* 79:75.

Fay, L. M.*, S. R. Vance*, T. W. Hill, and D. M. Loprore. A gene showing sequence similarity to mannose transporters complements a branching/septation defect in *Aspergillus nidulans*. Mycological Society of America, July 2004. Asheville, N.C.

Sartain, C. V.*, S. R. Vance*, L. M. Fay*, D. M. Loprore, and T. W. Hill. Morphological characterization of a Calcofluor hypersensitive mutant of *Aspergillus nidulans* showing increased density of branches and septa. Mycological Society of America Annual Meeting. July 2004. Asheville, North Carolina.

2003

Backues, E.*, D. M. Loprore, and T. W. Hill. Complementation of a Calcofluor-hypersensitive mutant in *Aspergillus nidulans*. 13th Southeastern Regional Yeast Meeting, Hattiesburg, MS, March 2006.

Bartmess, K. C.* and J. A. McCullers. 2003. Role of neuraminidase in lethal synergism between influenza virus and *Sterptococcus pneumoniae*. *Infect. Dis.* 187(6):1000-1009.

Brown, T. C.*, V. Smith*, A. G. Teepe, T. W. Hill, and D. M. Loprore. Complementation of a wall integrity defect in a mutant of *Aspergillus nidulans*. 13th Southeastern Regional Yeast Meeting, Hattiesburg, MS, March 2006.

Groeger, A.* and M. Miller. 2003. Characterization of the hydrophobic patch domain in the G1 cyclin, CLN3 of *Saccharomyces cerevisiae*. *J. Tenn. Acad. Sci.* 78:92.(1st place winner)

Hoggard, T. A.*, M. K. Maruthur*, D. M. Loprore, and T. W. Hill. Genetic complementation of Calcofluor hypersensitivity in a *calC* strain of the filamentous fungus *Aspergillus nidulans*. 10th Annual Southeastern Regional Yeast Meeting. March 2003. University of Alabama Birmingham. Birmingham, AL.

Mccullough, F.* and D.H. Kesler. 2003. Condition indices of the Asian clam (*Corbicula fluminea*) in the Wolf River. *J. Tenn. Acad. Sci.* 78:93.

Mercer, S. M.*, D. M. Loprore, and T. W. Hill. A novel polarity mutant in the filamentous fungus *Aspergillus nidulans*. 13th Southeastern Regional Yeast Meeting, Hattiesburg, MS, March 2006.

Rademacher, H.*, L. Hendershot and Y. Ma. 2003. Creation of a kinase-defective mperk protein by point mutation. *J. Tenn. Acad. Sci.* 78:93.