



Please send submissions to: Katie Gallagher at galla134@msu.edu or 302B Biochemistry (mailbox on 2nd floor)

Vol.39, No. 18, May 1-5, 2006

Calendar

Monday, May 1

Biochemistry and Molecular Biology Dissertation Defense: Structure and function relationships of dihydroneopterin aldolases from *Escherichia coli* and *Staphylococcus aureus*. Yi Wang, 10:00 a.m., 208 Biochemistry.

Microbiology and Molecular Genetics Seminar: Extracellular respiration of DMSO by shewanella – molecular mechanism and potential ecological impact. Jeff Grainick, University of Minnesota, 4:10 p.m., 1415 Biomedical and Physical Sciences.

Tuesday, May 2

Wednesday, May 3

Thursday, May 4

Horticulture and International Agriculture Institute Seminar: Genetic and genomic analysis of fruit ripening in tomatoes. Jim Giovannoni, Boyce Thompson Institute, 4:00 p.m., A149 Plant and Soil Sciences.

Chemistry Seminar: Proton coupled electron transfer, application in photosystem 11. Jerry Babcock Remembered. Thomas Meyer, University of North Carolina at Chapel Hill, 4:10 p.m., 136 Chemistry.

Friday, May 5

Transcription Journal Club: Presentation by **Zach Burton**, 12 noon, 502 Biochemistry.

Advanced Degree Commencement, 7:00 p.m., Breslin Center

Saturday, May 6

Baccalaureate Degree Commencement, 12:30 p.m., Breslin Center

Spotlight



Jennifer Phillips, second year BMB graduate student, was awarded second place in the Carcinogenesis specialty section at the 2006 Society of Toxicology Meeting in San Diego in March.

Jennifer is currently doing research in Jay Goodman's laboratory. Jennifer is researching changes in DNA methylation (i.e. 5-methylcytosine) that occur in response to the nongenotoxic liver tumor promoter Phenobarbital (PB). Specifically, the work upon which her poster was based identified unique methylation changes in mice that are wild type for the constitutive active receptor (CAR), which develop liver tumors after treatment with PB for 32 weeks. In contrast, CAR KO mice showed no signs of liver tumor promotion upon PB treatment. Her hypothesis is that some of the methylation changes that occur uniquely in the wild type mice may play a critical role in mouse liver tumorigenesis. The next part of Jennifer's thesis project involves determining in what regions of the genome these changes are occurring.

Quote for the Week

Pleasure in the job puts perfection in the work. - *Aristotle*
