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Colorado Department of Public Health and Environment

**Rocky Mountain Branch-American Society for Microbiology  
Spring 2006 Meeting  
University of Wyoming  
Animal Science/Molecular Biology Building, Room 103  
Laramie, Wyoming**

**April 22, 2006**

**8-9 am** Registration and Breakfast snacks

**9:00 am** Greetings from the President

**9:05 am** Schmidt, A.\*, Ryjenkov, D. and Gomelsky, M. EAL, a ubiquitous domain in bacteria, is a c-di-GmP specific phosphodiesterase. University of Wyoming

**9:25 am** Gomelsky, M. Cyclic diguanylate: The new and ubiquitous signaling system in bacteria. University of Wyoming

**9:55 am** Eoh, H.J.\*, Brown, A.C., Burton, L., Hunter, W.N., Parish, T., Kaur, D., Brennan, P.J. and Crick, D.C. Characterization of 4-diphosphocytidyl-2-c-methyl-D-erythritol synthase (*lspD*) from *Mycobacterium tuberculosis*. Colorado State University, Queen Mary's School of Medicine and Dentistry, and UK University of Dundee.

**10:15am BREAK** *please visit posters and talk with presenters*

**10:35 am** Kumar, A. and Schweizer, H.P. Regulation of MexEF-OprN multidrug efflux pump of *Pseudomonas aeruginosa*: More pieces added to the puzzle. Colorado State University.

**10:55 am** Introduction of ASM Waksman Fellow Speaker

**11:00 am** KEYNOTE SPEAKER

Dr. Alfred P. Dufour, U.S. Environmental Protection Agency  
National Exposure Research Laboratory, Cincinnati, Ohio  
"Recreational water quality and swimming associated health effects"

**12 noon Lunch Break**

**Read Posters**

**Students and all others, please meet with Keynote Speaker at Lunch**

*12:30- 1:10 RMB business meeting in Room 103*

**1:15 pm** Oko, L.\*, and Schountz, T. Profiling helper L cell subsets in deer mice. University of Northern Colorado

**1:35pm** Schountz, T. Cytokine gene expression of T cells from *Sin Nombre* virus-infected deer mice. University of Northern Colorado.

**2:05 pm** Sokoloski, K.J.\*, Garneau, N., Wilsuz, C. and Wilsuz, J. The alphavirus 3' UTR as a modulator of viral RNA stability. Colorado State University.

**2:25pm BREAK** *Afternoon snacks. Please visit posters and talk with presenters.*

**2:45 pm** Bergren, T. Environmental water quality indicators in Akumal, Mexico. Community College of Aurora.

**3:05 pm** Ferrell, R.V. Nitrogen removal by a constructed sewage treatment wetland in Akumal, Mexico. Metropolitan State College of Denver.

**3:25 pm** Beebe, J. Molecular Epidemiology. Colorado Department of Public Health and Environment

~ close of meeting 4:15 pm

Announcement of student awards

\* *underline names (\_\_\_\_) are student oral presenters*

## POSTERS

Angala, S.K.\*, Zhang, J., Crick, D.C. and Chatterjee, D. Establishment of arabinosyl transferase assay in Mycobacteria for screening novel drug targets. Colorado State University.

Byelashov, O.\*, Mendouca, A. and Sebranek, J. Efficacy of lactic acid alone or combined with sodium lauryl sulfate for control of *Listeria monocytogenes* in vacuum packaged frankfurters made with or without sodium lactate. Colorado State University and Iowa State University.

Beebe, J.L., Maguire, H.F., Nucci, J. M. Waidmann, G.L., Pape, J. and Daniels, A. Use of polymerase chain reaction and time-resolved fluorescence antigen immunoassay for detection of *Coxiella burnetii* in animal and soil samples-Colorado, 2005. Colorado Department of Public Health and Environment.

Chaskey, E.\* and Karkhoff-Schweizer, R. Construction of vectors for expression of non-antibiotic selectable markers within bacterial select agent pathogens. Colorado State University.

Frazier, M.\* and Karkhoff-Schweizer, R. Evaluation of triclosan as a non-antibiotic selectable marker in *Yersinia pestis* KIM6+. Colorado State University.

Fletcher, J.\*, Piper, J., Plake, E., Carlson, J. and Suchman, E. Optimizing storage mechanisms of *Aedes aegypti* Dengue virus for use as a potential biological control agent. Colorado State University.

Fluegel, A.\*, Cornish, T., Mills, K. and Edwards, W. Improved diagnostic and molecular epidemiological tests for Brucellosis in elk and cattle. University of Wyoming.

Garneau, N.\*, Sokoloski, K., Wilusz, C. and Wilusz, J. Effect of the 3'UTR of *Sindbis* virus on viral RNA stability in vitro and in vivo. Colorado State University.

Hamor, R.\* and Schountz, T. Generation of antigen-specific T cell lines from the golden Syrian hamster. University of Northern Colorado.

Massimelli, M.A.\*, Mansilla, M.C., Choi, K.H., Lisa, A.T. and Schweizer, H.P. Study of *pohP* regulation in *Pseudomonas aeruginosa*. Universidad Nacional de Rio Cuarto and Colorado State University.

Starbuck, J.C.\*, Berg, S., Bithner, C., McNeil, M.R., Chatterjee, D., Brennan, P.J. and Crick, D.C. Site-directed mutagenesis of a putative glycosyltransferase motif of EmbB in Mycobacteria. Colorado State University.

Sullivan, R.\*, David, A., Bergren, T. and Ferrell, R. Removal of indicator organisms and ammonia by a constructed sewage treatment wetland. Metropolitan State College of Denver and Community College of Aurora.

Washenberger, C.,\* Han, J.-Q, and Barton, D. Hepatitis C virus, interferon, and RNase L. University of Colorado Health Sciences Center.

\* underline names (\_\_\_\_) are student poster presenters