

Thursday, June 18, 2015
EXPLORING THE EFFECTS OF STRESS ON MICROBIAL MUTATION RATES
AND SURVIVAL STRATEGIES
4:00 p.m. Salon A1

Chairs: Frank Rosenzweig

- 4:00 p.m. Sano E. B. Gallagher A. L. Miller S. R. *
[*Exceptional Gene Duplication Dynamics in the Cyanobacterium Acaryochloris: A Possible Role for RecA Paralogs in Adaptation and Genome Instability*](#) [#7034]
- 4:15 p.m. Hicks L. Schwartz K. Sherlock G. Rosenzweig F. Kroll E. *
[*Genomic Evolution Driven by Environmental Stress*](#) [#7054]
- 4:30 p.m. Rabbow E. * Rettberg P. Willnecker R.
[*EXPOSE-R2, the 3rd EXPOSE Mission*](#) [#7096]
- 4:45 p.m. Purohit P. K. * Duque A. Faust L. E. Koehler B. Morenz K. Harris K. Lau S.
Xie J. L. Osborne J.
[*Examining the Effects of Microgravity on Pathogenicity and Drug Resistance of Candida Albicans and Candida Glabrata*](#) [#7255]
- 5:00 p.m. Shih H.-Y. * Goldenfeld N.
[*Emergence of Rapid Evolution from Demographic Stochasticity*](#) [#7279]
- 5:15 p.m. Zhou L. * Alcalde R. Mackie R. I. Cann I. K. O. Fouke B. W. Werth C. J.
[*Bacterial Response and Evolution Under a Gradient of Environmental Stress Created in a Microfluidic Cell*](#) [#7482]
- 5:30 p.m. Alcalde R. E. * Zhou L. Cann I. K. O. Mackie R. I. Wietsma T. W. Oostrom M.
Sanford R. A. Fouke B. W. Werth C. J.
[*Culturing Methanogenic Archaea in Controlled Stress Microenvironments*](#) [#7665]
- 5:45 p.m. Tirumalai M. R. * Karouia F. Tran Q. Pierson D. L. Ott C. M. Ford J. Fox G. E.
[*Long-Term Evolution Studies of E.coli MG1655 Under the Combined Stress of Low Shear Modeled Microgravity \(LSMMG\) and the Broad-spectrum Antibiotic Chloramphenicol*](#) [#7710]