

## **Selected Publications**

- Dodsworth, J. A., B. Hungate, J. de la Torre, H. Jiang, and B. P. Hedlund. 2011. Measuring nitrification, denitrification, and related biomarkers in continental geothermal ecosystems. *Meth. Enzymol.* 486: 171-203.
- Dodsworth, J. A., L. Li, S. Wei, B. P. Hedlund, J. A. Leigh, and P. de Figueiredo. 2010. Inter-domain conjugal transfer of DNA from Bacteria to Archaea. *Appl. Env. Microbiol.* 76: 5644-5647.
- Lefèvre, C. T., F. Abreu, M. L. Schmidt, U. Lins, R. B. Frankel, B. P. Hedlund, and D. A. Bazylinski. 2010. Moderately thermophilic magnetotactic bacteria from hot springs in Nevada USA. *Appl. Env. Microbiol.* 76: 3740-3743.
- Vick, T. J., J. A. Dodsworth, K. C. Costa, E. L. Shock, and B. P. Hedlund. 2010. Microbiology and geochemistry of Little Hot Creek, a hot spring environment in the Long Valley Caldera. *Geobiology* 8: 140-154.
- Costa, K. C., J. B. Navarro, E. L. Shock, C. Zhang, D. Soukup, and B. P. Hedlund. 2009. Microbiology and geochemistry of Great Boiling and Mud Hot Springs in the United States Great Basin. *Extremophiles* 13: 447-459.
- Elkins, J. G., V. Kunin, I. Anderson, K. Barry, E. Goltsman, A. Lapidus, B. P. Hedlund, P. Hugenholtz, N. Kyrpides, D. Graham, M. Keller, G. Wanner, P. Richardson, and K. O. Stetter. 2008. A korarchaeal genome reveals insights into the evolution of archaea. *Proc Natl Acad Sci.* 105: 8102-8107.
- Zhang, C. L., Qi Ye, Z. Huang, W.-J. Li, J. Chen, Z. Song, W. Zhao, C. Bagwell, W.P. Inskeep, L. Gao, J. Wiegel, C. Romanek, and B. P. Hedlund. 2008. Global occurrence and biogeography of putative archaeal amoA genes in terrestrial hot springs. *Appl Environ. Microbiol.* 74: 6417-26.
- Costa, K. C., D. P. Moser, J. Hallmark, J. B. Navarro, D. Soukup, S. LaBahn, and B. P. Hedlund. 2008. Diversity of heterotrophic microorganisms and geochemistry in two ephemeral desert playa lakes. *Geomicrobiol. J.* 25:250-259.
- Navarro, J. B., Andrea Flores, C. Ross, M. R. Rosen, H. Dong, G. Zhang, D. P. Moser, and B. P. Hedlund. Microbial community succession in an ephemeral hypereutrophic Mojave Desert playa lake. In press. *Microbial Ecology*.
- Huang, Z., B. P. Hedlund, J. Wiegel, J. Zhou, and C. L. Zhang. 2007. Molecular phylogeny of uncultivated Crenarchaeota in Great Basin hot springs of moderately elevated temperature. *Geomicrobiol. J.* 24: 535-542.

Stetter, K.O., M.J. Hohn, H. Huber, R. Rachel, E. Mathur, B. P. Hedlund, U. Jahn. 2005. A novel kingdom of parasitic archaea. In W.P. Inskeep and T.R. McDermott (eds.) *Geothermal Biology and Geochemistry in Yellowstone National Park*, Montana State University Publications, Bozeman, MT, USA. pp. 249-259.

R., Reinhart, M. Bettstetter, B. P. Hedlund, M. Häring, A. Kessler, K. O. Stetter, and D. Prangishvili. 2002. Remarkable morphological diversity of viruses and virus-like particles in hot terrestrial environments. *Arch Virol.* 147: 2419-2429.

Hohn, M. J., B. P. Hedlund, and H. Huber. 2002. Detection of 16S rDNA sequences representing the novel phylum "Nanoarchaeota": indication for a world-wide distribution in high temperature biotopes. *Syst Appl Microbiol.* 25: 551-554.

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Hedlund, B. P., J. J. Gosink, and J. T. Staley. 1997. *Verrucomicrobia* div. nov., a new division of the bacteria containing three new species of *Prostheco bacter*. *Antonie van Leeuwenhoek* 72: 29-38.