



Publications for 2007

Denef, V. J.; Shah, M. B.; VerBerkmoes, N. C.; Hettich, R. L.; Banfield, J. F. "Implications of strain- and species-level sequence divergence for community and isolate shotgun proteomic analysis." Submitted to *J. Proteome Res.*

Giannone, R. J.; McDonald, W. H.; Hurst, G. B.; Huang, Y.; Liu, Y.; Wang, Y. "A dual-tagging system for affinity purification of mammalian protein complexes" in preparation, 2007.

Hervey, W. J. IV; Strader, M. B.; Hurst, G. B. "Comparison of Digestion Protocols for Microgram Quantities of Enriched Protein Samples" in preparation for submission to *J. Proteome Res.* 2007.

Lo, I.; Denef, V. J.; VerBerkmoes, N. C.; Shah, M.; Goltsman, D.; DiBartolo, G.; Tyson, G. W.; Allen, E. E.; Ram, R. J.; Detter, C.; Richardson, P.; Thelen, M. P.; Hettich, R. L.; Banfield, J. F. "Strain-resolved community proteomics reveals that recombination shapes acidophilic bacterial genomes." *Nature*, in press.

Maraha, N.; VerBerkmoes, N. C.; Spiers, A. J.; Shah, M.; Timms-Wilson, T.; Bailey, M.; Jansson, J. K. "Comparison of the *Pseudomonas fluorescens* SBW25 proteome expressed under starvation or nutrient rich conditions." In preparation.

Pan, C.; Oda, Y.; Lankford, P.; Zhang, B.; Samatova, N.; Pelletier, D.; Harwood, C.; Hettich, R. "Characterization of Anaerobic Catabolism of p-Coumarate in *Rhodospseudomonas palustris* by Integrating Transcriptomics and Quantitative Proteomics" *J. Bacteriology* (Mar. 2007), submitted.

Sharp, J. L.; Anderson, K. K.; Daly, D. S.; Pelletier, D. A.; Cannon, W. R.; Auberry, D. L.; Hurst, G. B.; Schmoyer, D. D.; McDonald, W. H.; White, A. M.; Hooker, B. S.; Victry, K. D.; Buchanan, M. V.; Kery, V.; Wiley, H. S. "Inferring protein-protein associations with affinity isolation LC-MS/MS assay experiments" submitted to *J. Proteome Res.* 2007.

Thompson, M. R.; VerBerkmoes, N. C.; Chourey, K.; Shah, M.; Thompson, D. K.; Hettich, R. L. "Dosage-Dependent Proteome Response of *Shewanella oneidensis* MR-1 to Acute Chromate Challenge." *J. Proteome Res.* In press.

Van Berkel, G. J.; Kertesz, V. "Utilizing the Electrochemistry of the Electrospray Ion Source" *Anal. Chem.* in press.

Van Berkel, G. J.; Tomkins, B. A.; Kertesz, V. "Thin-Layer Chromatography/Desorption Electrospray Ionization Mass Spectrometry: Investigation of Goldenseal Alkaloids" *Anal. Chem.* in press.

Viehland, L. A.; Danailov, D. M.; Goeringer, D. E. "Moment Theory of Ion-Neutral Reactions in Traps and Similar Devices." *J. Phys. Chem. A* in press.