

Dominique C Joyner

University of Tennessee Knoxville

Civil and Environmental Engineering, 729 SERF, Knoxville, TN 37996

Phone: 865-974-7836 (office), E-mail: DCJoyner@utk.edu

Biographical Summary

I received my B.S. from California State University Northridge in Environmental Biology and M.S. degree from the University of California Berkeley in Plant and Microbial Biology with Steve Lindow. My research interest has included the bioremediation of heavy metal and radionuclide contaminants in soils and groundwater as well as the investigation of stress response in aerobic and anaerobic organisms. I am currently a research associate managing the microbiology laboratories of Terry Hazen in the Civil and Environmental Engineering Department at the University of Tennessee Knoxville.

Education

Master of Science in Plant and Microbial Biology, University of California Berkeley, 1999

Bachelor of Science in Environmental Biology, Minor in Chemistry, California State University Northridge, 1995

Roles and Responsibilities

- Manage the laboratory to include biohazardous and hazardous materials handling and requisition, ordering and stocking laboratory supplies, maintain a regular PM schedule for maintenance of all laboratory equipment, management of laboratory personnel to perform general laboratory chores and upkeep, tracking of environmental sample, chemical inventory and culture collection with online management system, oversee laboratory safety communication and execution, maintain laboratory culture collection
- Assist in project planning, development and execution.
- Assist in coordinating efforts of team members and collaborators in meeting project deadlines and deliverables.
- Acquire new instrumentation for the effective and efficient completion of experimental goals.
- Determine and assess need for additional personnel and resources needed to achieve project goals.
- Field sampling, handling and distribution of all incoming field samples.
- Phenotype Microarray profiling with Biolog Omnilog.
- Fluorescent staining/tagging of microbes for microscopy and direct enumeration.
- Microbial physiology classical techniques.
- Anaerobic work at bench-top station and chamber.
- Various metals reduction assays.
- Large-scale biomass production of stressed and non-stressed controls.
- Support colleagues on a variety of projects to include: ENIGMA, ERSP, MEHR, JBEI, EBI, NRDA which is detailed in publications list.

Professional Society Membership

American Society for Microbiology

Training

- 45h HAZWOPER
- CPR and First Aid
- Laser Safety

- Fire Extinguisher
- Radiation Safety
- Hazardous Chemical Safety
- Biohazardous Material Safety
- Conflict Resolution/Negotiation training

Professional Awards

LBNL Spot Recognition Award , Safe Laboratory Practice, 2009

LBNL Spot Recognition Award, Gulf Oil Spill Research, Berkeley, 2010

LBNL Spot Recognition Award , Safe Laboratory Practice in Protocol Development, 2011

Publications in Journals

1. Borglin, S. E., D. C. Joyner, K. M. DeAngelis, J. Khudyakov, P. D'haeseleer, M. P. Joachimiak, and T. C. Hazen. 2012. Application of Phenotypic Microarrays to Environmental Microbiology. *Current Opinions in Biotechnology* 23:41-48. (8.486, 0)
2. Brodie, E. L., D. C. Joyner, B. Faybishenko, M. E. Conrad, C. Rios-Velazquez, B. Mork, R. Kelley, A. Willet, S. Koenigsberg, D. Herman, M. K. Firestone, and T. C. Hazen. 2011. Evaluation of sustained release polylactate electron donors for removal of hexavalent chromium from contaminated groundwater. *Chemosphere* 85:660-665. LBNL-4905E. (3.155, 0)
3. Chhabra, S. R., M. P. Joachimiak, C. J. Petzold, G. M. Zane, M. N. Price, S. Gaucher, S. A. Reveco, O-Y Fok, A. R. Johanson, T. S. Batth, M. Singer, J-M. Chandonia, D. Joyner, T. C. Hazen, A. P. Arkin, J. D. Wall, A. K. Singh, and J. D. Keasling. 2011. Towards a Rigorous Network of Protein-Protein Interactions of the Model Sulfate Reducer *Desulfovibrio vulgaris* Hildenborough. *PLoS ONE* 6(6): e21470. doi:10.1371/journal.pone.0021470. LBNL-xxxx. (4.411, 0)
4. Chakraborty, R., T. C. Hazen, D. C. Joyner, K. Küsel, M. E. Singer, J. Sitte, and T. Torok. 2011. Use of immunomagnetic separation for the detection of *Desulfovibrio vulgaris* from environmental samples. *J. Microbiol. Methods* 86:204–209. LBNL-xxxx. (2.018, 0)
5. Hazen, T. C., E. A. Dubinsky, T. Z. DeSantis, G. L. Andersen, Y. M. Piceno, N. Singh, J. R. Jansson, A. Probst, S. E. Borglin, J. L. Fortney, W. T. Stringfellow, M. Bill, M. S. Conrad, L. M. Tom, K. L. Chavarria, T. R. Alusi, R. Lamendella, D. C. Joyner, C. Spier, M. Auer, M. L. Zemla, R. Chakraborty, E. L. Sonnenthal, P. D'haeseleer, H.-Y. N. Holman, S. Osman, Z. Lu, J. D. Van Nostrand, Y. Deng, J. Zhou., and O. U. Mason. 2010. Deep-sea oil plume enriches psychrophilic oil-degrading bacteria. *Science* 330:204-208. LBNL-3989E. (25.940, 1)
6. He, Q., Z. He, D. C. Joyner, M. Joachimiak, M. N. Price, Z. K. Yang, H.-C. B. Yen, C. L. Hemme, W. Chen, M. Fields, D. A. Stahl, J. D. Keasling, M. Keller, A. P. Arkin, T. C. Hazen, J. D. Wall, and J. Zhou. 2010. Impact of Elevated Nitrate on Sulfate-Reducing Bacteria: a comparative study of *Desulfovibrio vulgaris*. *ISME Journal* 2010, 1-12.
7. Tang, Y. J., R. Sapra, D. C. Joyner, T. C. Hazen, S. Myers, D. Reichmuth, H. Blanch, and J. D. Keasling. 2009. Analysis of Metabolic Pathways and Fluxes in a Newly Discovered Thermophilic and Ethanol-Tolerant *Geobacillus* Strain. *Biotechnology and Bioengineering* 102:1377-1386. LBNL-1442E. (2.936,0)
8. Borglin, S. E., J. Jacobsen, D. Joyner A. Mukhopadhyay, and T. C. Hazen. 2009. Overcoming the anaerobic hurdle in phenotypic microarrays: Growth and visualization of *Desulfovibrio vulgaris* Hildenborough. *J. Microbiological Methods* 76:159–168. LBNL-1822E. (2.000, 0)
9. Faybishenko, B., T. C. Hazen, P. E. Long, E. L. Brodie, M. E. Conrad, S. S. Hubbard, D. Joyner, S. Borglin, R. Chakraborty, K. H. Williams, J. E. Peterson, J. Chen, T. K. Tokunaga, J. Wan, M. Firestone, D. R. Newcomer, C. T. Resch, K. J. Cantrell, A. Willett, and S. Koenigsberg. 2008. In Situ Long-Term Bioimmobilization of Cr(VI) in Groundwater Using ¹³C-Labeled Slow-Release Lactate. *Environ. Sci. & Technol.* 42:8478-8485. LBNL-1799E. (4.458, 0)

10. Mukhopadhyay, A., A. M. Redding, M. P. Joachimiak, A.P. Arkin, S. E. Borglin, P. S. Dehal, R. Chakraborty, J. T. Geller, T. C. Hazen, Q. He, D. C. Joyner, V. J. J. Martin, J. D. Wall, Z. K. Yang, J. Zhou, J. D. Keasling. *J. Bacteriology* 2007 : JB.00368-07v1. Cell wide responses to low oxygen exposure in *Desulfovibrio vulgaris* Hildenborough.
11. Stolyar S., Q. He, Z. Yang, S.E.Borglin, D. Joyner, E. Alm, T. C. Hazen, J. Zhou, J. D. Wall, A. P. Arkin, D. A. Stahl. *J. Bacteriology* (Submitted 2007) Response of *Desulfovibrio vulgaris* to alkaline stress.
12. Brodie, E. L., T. Z. DeSantis, D. C. Joyner, S. M. Baek, J. T. Larsen, G. L. Andersen, T. C. Hazen, P. M. Richardson, D. J. Herman, T. K. Tokunaga, J. M. Wan, and M. K. Firestone. *Appl. Envir. Microbiol.* 2006 72: 6288-6298. Application of a High-Density Oligonucleotide Microarray Approach To Study Bacterial Population Dynamics during Uranium Reduction and Reoxidation. LBNL-59761.
13. Redding, A. M., A. Mukhopadhyay, D. Joyner, T. C. Hazen, and J. D. Keasling. 2006. Study of Nitrate Stress in *Desulfovibrio vulgaris* Hildenborough Using iTRAQ Proteomics. *Briefings in Functional Genomics and Proteomics* 5: 133-143. LBNL-59867.
14. Mukhopadhyay, A., Z. He, E. J. Alm, A. P. Arkin, E. E. Baidoo, S. C. Borglin, W. Chen, T. C. Hazen, Q. He, H.-Y. Holman, K. Huang, R. Huang, D. C. Joyner, N. Katz, M. Keller, P. Oeller, A. Redding, J. Sun, Z. Yang, J. D. Wall, J. Wei, H.-C. Yen, J. Zhou, and J. D. Keasling. 2006. Salt stress in *Desulfovibrio vulgaris* Hildenborough: An integrated genomics approach. *J. Bacteriol.* 188:4068-4078. LBNL-59862.
15. Joyner, D. C. and Lindow, S. E. Heterogeneity of Iron Bioavailability on Plants. Assessed with a Whole-Cell GFP-Based Bacterial Biosensor. *Microbiology.* 2000 Oct;146 (Pt10):2435-45.

Conference Presentations and Abstracts

1. Borglin*, S. E., Y. Piceno, D. C. Joyner, J. Fortney, and T. C. Hazen. Contributed. Analysis of microbial community structure and alkane composition in Mississippi Canyon oil spill using phospholipid fatty acid analysis. May 24, 2011, New Orleans, LA. ASM annual Meeting.
2. Joyner*, D. C., R. Chakraborty, S. E. Borglin, D. H. Long, and T. C. Hazen. Contributed. High Throughput Metabolic Phenotype Profiling of Oil and Dispersant Degrading Consortia from the MC252 Oil Spill in the Gulf of Mexico. May 22, 2011, New Orleans, LA. ASM annual Meeting.
3. Chakraborty*, R., S. E. Borglin, D. H. Long, D. C. Joyner, and T. C. Hazen. Contributed. Interaction of MC252 oil and COREXIT with isolates and enrichments from Gulf of Mexico. May 22, 2011, New Orleans, LA. ASM annual Meeting.
4. Geller*, J. T., H. Woo, D. C. Joyner, S. Kendall, and T. C. Hazen. Contributed. Microfluidic Studies of Nitrate Stress on *Shewanella oneidensis* Biofilms. May 22, 2011, New Orleans, LA. ASM annual Meeting.
5. Chakraborty*, R., D. Joyner, B. A. Faybishenko, M. Fields, T. Torok, G. L. Andersen, and T. C. Hazen. Contributed. Integrated Microbiological Approaches to Characterize Cr(VI)-Reducing Microbial Community at the DOE Hanford 100H Site. April 10-13, 2011, Crystal City, VA. Joint Meeting 2011 Genomic Science Awardee Meeting IX and USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Meeting, U. S. Department of Energy.
6. Borglin*, S. E., O. U. Mason, E. Dubinsky, J. Fortney, R. Lamendella, D. Joyner, Y. Piceno, and T. C. Hazen. Contributed. Analysis of microbial community structure in crude oil and oil spill samples using phospholipid fatty acid analysis. August 2-5, 2010, San Francisco, CA. Annual Meeting of the Society for Industrial Microbiology.
7. Timberlake*, S. C., M. P. Joachimiak, D. Joyner, R. Chakraborty, J. K. Baumohl, P. S. Dehal, A. P. Arkin, T. C. Hazen, and E. J. Alm. Contributed. Conservation of Modules but not Phenotype in Bacterial Stress Responses. May 23-27, 2010, San Diego, CA. Annual meeting of the American Society for Microbiology Meeting.
8. Borglin*, S., O. U. Mason, E. Dubinsky, J. Fortney, R. Lamendella, D. Joyner, Y. Piceno, and T. C. Hazen. Contributed. Analysis of Microbial Community Structure in Crude Oil and Oil Spill

- Samples Using Phospholipid Fatty Acid Analysis. November 17, 2010, San Diego, CA. Sustainable Approaches to Remediation of Contaminated Land (SARCL-2010) and Contaminated Site Management (CSM-2010).
9. Joyner*, D. C., Hazen, T. C. Invited. Phenotypic MicroArray for bioenergy applications. September 13-15, 2010, Florence, Italy. Florence Conference on Phenotype Microarray Analysis of Microorganisms.
 10. Dubinsky, E., T. DeSantis*, Y. Piceno, O. Mason, N. Singh, A. Probst, D. Joyner, R. Chakraborty, T. C. Hazen, G. Andersen. Contributed. Phylochip assay finds deepwater oil plume enrichment of psychrophilic oil-degrading bacteria. August 22-27, 2010, Seattle, WA. ISME 13 – 13th International Symposium on Microbial Ecology.
 11. Joyner*, D. C., J. L. Fortney, R. Chakraborty, and T. C. Hazen. Contributed. Adaptation the Biolog OmniLog Phenotype MicroArray plate technology to profile the strict metal reducing anaerobe *Geobacter metallireducens*. May 23-27, 2010, San Diego, CA. Annual meeting of the American Society for Microbiology Meeting.
 12. Chakraborty*, R., E. L. Brodie, B. Faybishenko, Y. M. Piceno, L. Tom, S. Choudhuri, H. R. Beller, J. Liu, T. Torok, D. C. Joyner, P. E. Long, D. R. Newcomer, G. L. Andersen, and T. C. Hazen. Contributed. Microbial community changes during sustained Cr(VI) reduction at the 100H site in Hanford, WA. May 23-27, 2010, San Diego, CA. Annual meeting of the American Society for Microbiology Meeting.
 13. Arkin, A. P., E. Baidoo, K. Bender, P. I. Benke, A. Deutschbauer, M. Fields, T. C. Hazen, Z. He, D. C. Joyner, J. Keasling, K. Keller, E. G. Luning, A. Mukhopadhyay, L. Rajeev, J. Ray, J. D. Wall, G. Zane, A. Zhou, and J. Zhou. Contributed. Laboratory models for the study of community interaction, functional stability, and survival. February 2010, Washington, DC. Genomics:GTL Contractor-Grantee Workshop VIII, USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2010.
 14. Hazen, T. C., G. Anderson, S. Borglin, E. Brodie, S. van Dien, M. Fields, J. Fortney, J. Geller, E. Hendrickson, K. L. Hillesland, H.-Y. Holman, J. Leigh, T. Lie, D. Joyner, R. Chakraborty, D. Elias, A. Mukhopadhyay, C. Schadt, D. Stahl, S. Stolyar, C. Walker, J. Wall, Z. Yang, H.-C. Yen, G. Zane, J. Zhou. Contributed. Environmental Microbiology Core Research on Stress Response Pathways in Metal-Reducers ENIGMA:VIMSS:ESPP. February 2010, Washington, DC. Genomics:GTL Contractor-Grantee Workshop VIII, USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2010.
 15. Chakraborty, R., E. L. Brodie, D. C. Joyner, T. Torok, J. L. Fortney, S. E. Borglin, P. E. Long, D. R. Newcomer, S. Choudhuri, H. R. Beller, Y. M. Piceno, L. Tom, G. L. Andersen, B. Faybishenko, and T. C. Hazen. Contributed. Microbial community changes during sustained Cr(VI) reduction at the 100H site in Hanford, WA. December 2009, San Francisco, CA. American Geophysical Union Annual Meeting.
 16. Elias*, D. A., M. Auer, M. D. Biggin, G. Butland, S. Chhabra, A. Fagorala, T. C. Hazen, D. Jorgans, D. C. Joyner, T. R. Juba, M. Perez, J. P. Remis, A. Tauscher, and J. D. Wall. Protein Complex Analysis Project (PCAP): Localization of Multi-Protein Complexes through SNAP-Tag Labeling. May 2009, Philadelphia, PA. Annual meeting of the American Society for Microbiology Meeting.
 17. Kozina*, C. L., A. S. Pawate, D. Joyner, K. L. Sale, D. S. Reichmuth, T. C. Hazen, and R. Sapa. Metabolic engineering of a novel thermophilic ethanologen *Geobacillus thermoglucosidasius* M10EXG for enhanced ethanol production. May 2009, San Francisco, CA. 31st Symposium on Biotechnology for Fuels and Chemicals, Society for Industrial Microbiology.
 18. Hazen*, T. C., B. Faybishenko, H. Beller, E. Brodie, S. S. Hubbard, J. Peterson, E. Sonnenthal, C. Steefel, L. Yang, J. Larsen, M. Conrad, J. Christensen, S. Brown, D. Joyner, S. Borglin, J. Geller, R. Chakraborty, P. Nico, T. Tokunaga, J. Wan, M. Firestone, P. Long, D. Newcomer, and L. N'Guessan. Field-Scale Investigations of Cryptic Growth and Memory Response Hypotheses at

- the Chromium Contaminated Hanford 100-H Site. April 2009, Lansdowne, VA. 4th Annual DOE-ERSP PI Meeting.
19. He*, Q., Z. He, D. C. Joyner, M. Joachimiak, M. N. Price, Z. K. Yang, H.-C. B. Yen, C. L. Hemme, R Chakraborty, W. Chen, M. M. Fields, D. A. Stahl, J. D. Keasling, M. Keller, A. P. Arkin, T. C. Hazen, J. D. Wall, and J. Zhou. Impact of Elevated Nitrate on Sulfate-Reducing Bacteria: Implications of inhibitory mechanisms in addition to osmotic stress. February 2009, Bethesda, MD. Genomics:GTL Contractor-Grantee Workshop VII, USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2009.
 20. Auer, M., M. D. Biggin, G. Butland, S. Chhabra, D. A. Elias*, A. Fagorala, T. C. Hazen, D. Jorgens, D. C. Joyner, T. R. Juba, M. Perez, J. P. Remis, A. Tauscher, and J. D. Wall. Protein Complex Analysis Project (PCAP): Localization of Multi-Protein Complexes through SNAP-Tag Labeling. February 2009, Bethesda, MD. Genomics:GTL Contractor-Grantee Workshop VII, USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2009.
 21. Hazen*, T. C., G. Anderson, S. Borglin, E. Brodie, S. van Dien, M. Fields, J. Fortney, J. Geller, E. Hendrickson, K. L. Hillesland, H.-Y. Holman, J. Leigh, T. Lie, J. Jacobsen, D. Joyner, R Chakraborty, M. Keller, A. Mukhopadhyay, C. Schadt, D. Stahl, S. Stolyar, C. Walker, J. Wall, Z. Yang, H.-C. B. Yen, G. Zane, and J. Zhou. Applied Environmental Microbiology Core Research on Stress Response Pathways in Metal-Reducers VIMSS:ESPP. February 2009, Bethesda, MD. Genomics:GTL Contractor-Grantee Workshop VII, USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2009.
 22. Hazen*, T. C., H.-Y. Holman, J. Keasling, A. Mukhopadhyay, S. Chhabra, J. T. Geller, M. Singer, D. Joyner, L. Camp, T. Torok, J. Wall, D. Elias, and M. D. Biggin. Protein Complex Analysis Project (PCAP): High Throughput Identification and Structural Characterization of Multi-Protein Complexes during Stress Response in *Desulfovibrio vulgaris*: Microbiology Subproject. February 2009, Bethesda, MD. Genomics:GTL Contractor-Grantee Workshop VII, USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2009.
 23. Miller*, L. D., A. Venkateswaran, J. Mosher, M. Drake, Z.K. Yang, M. Rodriguez, S.D. Brown, T. J. Phelps, M. Podar, A. V. Palumbo, C. W. Schadt, M. Keller, D. C. Joyner, T. C. Hazen, S. Stolyar, K. Hillesland, and D.A. Stahl. Development and Analysis of Multispecies Consortia to Study Microbial Community Stress and Survival. February 2009, Bethesda, MD. Genomics:GTL Contractor-Grantee Workshop VII, USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2009.
 24. Joyner*, D. C., C. B. Walker, R. Chakraborty, J. L. Fortney, J. T. Geller, L. E. Camp, A. Zhou, Z. He, M. P. Joachimiak, S. Stolyar, J. Zhou, D. A. Stahl, A. P. Arkin, and T. C. Hazen. Characterization of Stress Response in a Sulfate Reducer/Methanogen Coculture. June 2008, Boston, MA. Annual Meeting American Society for Microbiology.
 25. Chakraborty, R., N. Ramos-Hernandez, D. C. Joyner, E. X. Perez, Y. Katsuura, A. Massol-Deya*, and T. C. Hazen. Characterization of marine sulfate-reducing bacteria resistant to RDX and other explosives. June 2008, Boston, MA. Annual Meeting American Society for Microbiology.
 26. Hazen*, T. C., S. E. Borglin, D. C. Joyner, and J. Jacobsen. Anaerobic Phenotypic Microarray. March 2008, Florence, Italy. Phenotypic Microarray Conference.
 27. Joyner*, D., J. Jacobsen, A. Mukhopadhyay, and T. C. Hazen. Assessment of Nitrogen utilization in *Desulfovibrio vulgaris* using phenotype microarray. March 2008, Florence, Italy. Phenotypic Microarray Conference
 28. Camp, L., S. Chhabra, D. Elias, J. T. Geller, H.-Y. Holman, D. C. Joyner, J. D. Keasling, A. Mukhopadhyay, M. Singer, T. Torok, J. D. Wall, T. C. Hazen, S. Allen, G. Butland, M. Choi, M. Dong, S. C. Hall, B. K. Jap, J. Jin, S. J. Fisher, H. Liu, E. Szakal, P. J. Walian, H. E. Witkowska, L. Yang, M. D. Biggin*, P. Arbelaez, M. Auer, D. Ball, F. Garczarek, R. M. Glaeser, D. Jorgens, J. Malik, E. Nogales, H. Palsdottir, J. P. Remis, D. Typke, K. H. Downing, S. S. Andrews, A. P. Arkin, S. E. Brenner, Y. W. Huang, K. Keller, R. Santos, M. Shatsky, and J.-M.

- Chandonia. Invited. Protein Complex Analysis Project (PCAP): Project overview. February 2008, North Bethesda, MD. Genomics: GTL Awardee Workshop VI.
29. Hazen*, T. C., H.-Y. Holman, J. D. Keasling, A. Mukhopadhyay, S. Chhabra, J. T. Geller, M. Singer, D. C. Joyner, L. Camp, T. Torok, J. D. Wall, D. Elias, and M. D. Biggin. Protein Complex Analysis Project (PCAP): High Throughput Identification and Structural Characterization of Multi-Protein Complexes during Stress Response in *Desulfovibrio vulgaris*: Microbiology Subproject. February 2008, North Bethesda, MD. Genomics: GTL Awardee Workshop VI.
 30. Mukhopadhyay, A., D. Joyner, E. Luning, K. Keller, J. Robertson, G. Zane, J. Jacobsen, M. Price, S. Chhabra, T. C. Hazen, A. P. Arkin, J. Wall, and J. Keasling. VIMSS ESPP: Deciphering the roles of two-component systems in *Desulfovibrio vulgaris* Hildenborough. February 2008, North Bethesda, MD. Genomics: GTL Awardee Workshop VI.
 31. Hazen, T. C., C. Abulencia, G. Anderson, S. Borglin, E. Brodie, S. v. Dien, M. Fields, J. Fortney, J. Geller, E. Hendrickson, H.-Y. Holman, J. Leigh, T. Lie, R. Phan, J. Jacobsen, D. Joyner, R. Chakraborty, M. Keller, A. Mukhopadhyay, C. Schadt, D. Stahl, S. Stolyar, C. Walker, J. D. Wall, E. Wozei, Z. Yang, H.-c. Yen, G. Zane, and J. Zhou. Applied Environmental Microbiology Core Research on Stress Response Pathways in Metal-Reducers VIMSS:ESPP. February 2008, North Bethesda, MD. Genomics: GTL Awardee Workshop VI.
 32. Arkin, A. P., T. C. Hazen, C. Abulencia, E. J. Alm, G. Anderson, M. Auer, E. Baidoo, K. S. Bender, P. Benke, S. Borglin, E. Brodie, S. Brown, L. Camp, R. Chakraborty, S. Chhabra, G. Chirica, D. Chivian, M. Cipriano, P. S. Dehal, T. DeSantis, E. Drury, I. Dubchak, D. Elias, M. W. Fields, V. O. Y. Fok, J. Fortney, S. Gaucher, J. Geller, M. Hadi, Z. He, C. Hemme, K. Hillesland, H.-Y. Holman, K. H. Huang, Y. W. Huang, C. Hwang, J. Jacobsen, M. P. Joachimiak, D. Joyner, J. Keasling, K. Keller, M. Keller, Y. Light, E. Luning, R. Meagher, A. Mukhopadhyay, A. Palumbo, R. Phan, T. Phelps, F. Pingitore, M. Podar, M. N. Price, A. Redding, J. Robertson, R. Sapra, C. Schadt, M. Shirley, A. Shutkin, M. Singer, A. Singh, D. A. Stahl, S. Stolyar, A. Sundararajan, Y. Tang, J. V. Nostrand, S. Villa, C. Walker, J. D. Wall, Z. K. Yang, H.-c. Yen, G. Zane, A. Zhou, and J. Zhou. The Virtual Institute of Microbial Stress and Survival - VIMSS:ESPP Overview. February 2008, North Bethesda, MD. Genomics: GTL Awardee Workshop VI.
 33. He, Q., Z. He, W. Chen, Z. Yang, E. J. Alm, K. H. Huang, H-C. Yen, D. C. Joyner, M. Keller, A. P. Arkin, T. C. Hazen, J. D. Wall, and J. Zhou. Understanding the Suppression of Sulfate Reducing Bacteria by Nitrate: A Functional Genomics Approach. May 2007, Toronto, Canada. Annual Meeting American Society for Microbiology.
 34. Gaucher*, S. P., G. S. Chirica, R. Sapra, A. M. Redding, A. Mukhopadhyay, G. M. Buffleben, C. Kozina, R. Phan, D. C. Joyner, J. D. Keasling, T. C. Hazen, A. P. Arkin, and A. K. Singh. A Survey of Protein Post-Translational Modifications Found in the Sulfate-Reducing Bacterium *Desulfovibrio vulgaris* Hildenborough: Search for Stress Response Mediators. May 2007, Toronto, Canada. Annual Meeting American Society for Microbiology. LBNL 62234.
 35. Joyner*, D., J. Jacobsen, A. Mukhopadhyay, and T. C. Hazen. Assessment of Nitrogen utilization in *Desulfovibrio vulgaris* using phenotype microarray. May 2007, Toronto, Canada. Annual Meeting American Society for Microbiology. LBNL 62409.
 36. Brodie*, E. L., T. C. Hazen, B. Faybishenko, D. Joyner, S. E. Borglin, R. Chakraborty, M. Conrad, J. Zhou, J. Van Nostrand, P. E. Long, D. R. Newcomer, and G. L. Andersen. Phylogenetic and Functional Gene Microarray Analysis Demonstrates Direct and Indirect Mechanisms for Sustained Chromium Bioimmobilization. May 2007, Toronto, Canada. Annual Meeting American Society for Microbiology. LBNL 62428.
 37. Mukhopadhyay*, A., A. M. Redding, A. P. Arkin, S. Borglin, P. Dehal, R. Chakraborty, J. T. Geller, B. Giles, T. C. Hazen, Q. He, M. Joachimiak, D. C. Joyner, J. D. Wall, Z. Yang, J. Zhou, and J. D. Keasling. Comparison of *Desulfovibrio vulgaris* Hildenborough response to microaerobic and aerobic exposure. May 2007, Toronto, Canada. Annual Meeting American Society for Microbiology. LBNL 62423.

38. Ramos-Hernandez*, N., R. Chakraborty, D. C. Joyner, E. X. Perez, A. Massol-Dêya, and T. C. Hazen. Chemotactic and Growth Responses to Explosives of *Desulfovibrio vulgaris* H. and Sulfate-Reducing Bacteria Isolated from Tropical Marine Sediments. May 2007, Toronto, Canada. Annual Meeting American Society for Microbiology. LBNL 62424.
39. Walian*, P. J., M. Dong, S. Fisher, J. T. Geller, S. Hall, T. C. Hazen, D. C. Joyner, M. E. Singer, H. E. Witkowska, M. D. Biggin, B. K. Jap. Isolation and Identification of Membrane Protein Complexes in *Desulfovibrio vulgaris* Hildenborough. May 2007, Toronto, Canada. Annual Meeting American Society for Microbiology. LBNL 62452.
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