

Dominique C. Joyner
UTK, 851 Neyland Drive, Knoxville, TN. 37996
(510) 417-1623
dcjoyner@utk.edu

Project Management Professional and laboratory manager with 19 years of experience managing research programs funded at +\$12,000K, collaborating with 200+ scientists, professionals and students. Supporting the research supply chain with an emphasis on logistics, operations and workflow from early planning stages to final product.

EDUCATION

University of California, Berkeley, California
M.S., Department of Plant and Microbial Biology 1999
California State University, Northridge, California
B.S., Environmental Biology, minor Chemistry 1995

CERTIFICATION

Project Management Institute, Project Management Professional (PMI-PMP) *Certified: May 23, 2013*
HAZWOPR 40h

PROFESSIONAL EXPERIENCE

Research Associate III, University of Tennessee, Civil and Environmental Engineering Department and Oak Ridge National Laboratory, Biosciences Division 2012-present

- Develop cost estimates, budgets, resource and data management plans and timelines
- Monitor resources, project progress and performance
- Assist in grant preparation and development, technical reports to sponsor, project status updates
- Liaison with collaborators, sponsors, internal departments, vendors, team members, students to achieve project milestones
- Management of operations at University and National Laboratory lab spaces

Research Associate-Principal Research Associate, Lawrence Berkeley National Laboratory, Earth Sciences Division 1999-2012

- Managed the Center for Environmental Biotechnology: resource management, inventory, daily operations, training, compliance with federal, state, national laboratory and departmental safety regulations, management of undergraduate student assistants
- Supported research efforts and independent projects, several as co-author
- Mobilization efforts for large scale field sampling events to remote locations, rare sample receipt and storage requiring strict chain of custody

GRANTS AND CONTRACTS SUPPORTED

SINTEF through the Norwegian Science Foundation

Contract: Oil Spill Dispersant Strategies and Biodegradation Efficiency. 2014-2017 \$120K

BP Exploration & Production Inc.

Contract: Ecological Signatures of Oil Biodegradation in the Global Ocean. 2012-2017 \$1,350K

United States Department of Energy

Genomic Sciences Program ENIGMA SFA. 2009- present \$13,500K annual

Energy Biosciences Institute, Systems Biology Program

Contract: Deepwater Horizon Oil Spill Systems Biology. 2010-2011 \$2,100K

PUBLICATIONS

1. Techtmann, S.M., N. Mahmoudi, K. T. Whitt, M. F. Campa, J.L. Fortney, D. C. Joyner, T.C. Hazen. 2017. Comparison of Thaumarchaeotal populations from four deep sea basins. *FEMS Microbiology Ecology*. 93:11
2. Techtmann, S. M., K. S. Fitzgerald, S. C. Stelling, D. C. Joyner, S. M. Uttukar, A. P. Harris, N. K. Alshibli, S. D. Brown, and T. C. Hazen. 2016. *Colwellia psychrerythraea* strains from distant deep sea basins show adaptation to local conditions. *Front. Environ. Sci.*4:33.doi: 10.3389/fenvs.2016.00033(NA,2).
3. Smith, M. B., Rocha, A.M., Smillie, C.S., Olesen, S.W., Paradis, C., Wu, L., Campbell, J.H., Fortney, J.L., Mehlhorn, T.L., Lowe, K.A., Earles, J.E., Phillips, J., Techtmann, S.M., Joyner, D.C., Elias, D.A., Bailey, K.L., Hurt, R.A., Preheim, S.P., Sanders, M.C., Yang, J., Mueller, M.A., Brooks, S., Watson, D.B., Zhang, P., He, Z., Dubinsky, E.A., Adams, P.D., Arkin, A.P., Fields, M.W., Zhou, J., Alm, E.J., and T. C. Hazen. 2015. Natural bacterial communities as quantitative biosensors *mBio* 6 (DOI: 10.1128/mBio.00326-15).(6.786,12)
4. Techtmann, S. M., J. L. Fortney, K. Ayers, D. C. Joyner, T. Linley, S. M. Pfiffner, and T. C. Hazen. 2015. The Unique Chemistry of Eastern Mediterranean Water Masses Selects for Distinct Microbial Communities by Depth. *Plos One* 10: e0120605 DOI: 10.1371/journal.pone.0120605 (3.254, 12).
5. Mahmoudi, N., M. S. Robeson II, H. F. Castro Gonzalez, J. L. Fortney, S. M. Techtmann, D. C. Joyner, C. J. Paradis, S. M. Pfiffner, and T. C. Hazen. 2015. Microbial community composition and diversity in Caspian Sea sediments. *FEMS Microbiology Ecology* 91:1-11, doi: 10.1093/femsec/fiu013. (3.568, 10).
6. Mason, O. U., N. M. Scott, A. Gonzalez, A. Robbins-Pianka, J. Bælum, J. Kimbrel, N. J. Bouskill, E. Prestat, S. Borglin, D. C. Joyner, J. L. Fortney, D. Jurelevicius, W. T. Stringfellow, L. Alvarez-Cohen, T. C. Hazen, R. Knight, J. A. Gilbert, and J. K. Jansson. 2014. Metagenomics reveals sediment microbial community response to Deepwater Horizon oil spill. *ISME J* 8:1464-1475. doi:10.1038/ismej.2013.254 (9.328, 88). Note: Highly cited top 1% according to Essential Science Indicators November/December 2016.
7. 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. (8.314, 31)
8. 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. Microbial community response to addition of polylactate compounds to stimulate hexavalent chromium reduction in groundwater. *Chemosphere* 85:660-665. LBNL-4905E. (3.698, 23)
9. 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-5181E. (3.254, 12)

10. 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-4925E. (1.857, 8)
11. 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. (34.661, 643) Note: Highly cited top 1% according to Essential Science Indicators November/December 2016.
12. He, Q., Z. He, D. C. Joyner, M. Joachimiak, M. N. Price, Z. K. Yang, H.-C. B. Yen, C. L. Hemme, W. 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* 11:1386-1397. LBNL-4012E. (9.328, 34)
13. 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. (4.243,44)
14. 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. Microbiol. Meth.* 76:159–168. LBNL-1822E. (6.786, 14)
15. 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. (5.330, 58)
16. Jacobsen, J. S., D. C. Joyner, S. E. Borglin, T. C. Hazen, A. P. Arkin, and E. W. Bethel. 2007. Visualization of Growth Curve Data from Phenotype Microarray Experiments. 11th International Conference on Information Visualization (IV07), Zurich, Switzerland, July 4-6, 2007. Published by the IEEE Computer Society. LBNL-63251. (NA, NA)
17. Stolyar, S., Q. He, M. P. Joachimiak, Z. He, Z. K. Yang, S. E. Borglin, D. C. Joyner, K. Huang, E. Alm, T. C. Hazen, J. Zhou, J. D. Wall, A. P. Arkin, and D. A. Stahl. 2007. Response of *Desulfovibrio vulgaris* to alkaline stress. *J. Bacteriol.* 189:8944-8952. LBNL-63622. (3.198, 35)
18. 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, D. C. Joyner, V. J. J. Martin, J. D. Wall, Z. K. Yank, J. Zhou, and J. D. Keasling. 2007. Cell wide response to low oxygen exposure in *Desulfovibrio vulgaris* Hildenborough. *J. Bacteriol.* 189:5996-6010. LBNL-63534. (3.198, 84)
19. 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. 2006. Application of a high-density oligonucleotide microarray approach to study bacterial population dynamics during uranium reduction and reoxidation. *Appl. Environ. Microbiol.* 72:6288-6298.

LBNL-59761. (3.823, 442) Note: Highly cited top 1% according to Essential Science Indicators November/December2016

20. 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. (4.079, 44)
21. 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. (3.198,118)
22. Joyner, D. C., Lindow, S.E. 2000. Heterogeneity of iron bioavailability on plants assessed with a whole-cell GFP- based bacterial biosensor. *Microbiology* 146:2435-45. DOI:10.1099/00221287-146-10-2435

ABSTRACTS

1. von Netzer, F., D. Gorman-Lewis, E. Shock, S. Turkarlan, C. E. Arens, A. W. Thompson, N. S. Baliga, A. Zhou, J. Zhou, A. Aaring, R. Chakraborty, J. W. Moon, D. Elias, D. C. Joyner, T. C. Hazen, H. Smith, M. Fields, F. Poole, M. W. W. Adams, H. Carlson, A. Deutschbauer, D. Vuono, K. Meinhardt, D. A. Stahl, A. P. Arkin, and P. D. Adams. Understanding the thermodynamic Foundations of microbial Growth Efficiencies in the Lab and Field. February 6-8, 2017. 2017 Genomic Sciences Program Annual PI Meeting.
2. Smith, H. J., A. Zelaya, I. Miller, D. Joyner, T. C. Hazen, M. W. Fields, A. P. Arkin, and P. D. Adams. Temporal Variability and Microbial Activity in Groundwater Ecosystems. February 6-8, 2017. 2017 Genomic Sciences Program Annual PI Meeting.
3. Ning, D., J. Wang, J. D. Van Nostrand, L. Wu, P. Zhang, Z. He, M. B. Smith, A. M. Rocha, S. W. Olesen, C. Paradis, J. H. Campbell, J. L. Fortney, T. L. Mehlhorn, K. A. Lowe, J. E. Earles, S. M. Techtmann, D. C. Joyner, D. Elias, K. L. Bailey, R. A. Hurt, S. P. Preheim, M. C. Sanders, M. A. Mueller, D. B. Watson, E. A. Dubinsky, P. D. Adams, A. P. Arkin, M. W. Fields, E. J. Alm, T. C. Hazen, A. Lancaster, B. J. Vaccaro, F. L. Poole, M. W. Adams, and J. Zhou. Disentangling Ecological Processes and Drivers In Subsurface Microbial Community Assembly In A Nuclear Waste Site. August 21-26, 2016. Montreal, Canada. International Symposium for Microbial Ecology.
4. Liu, J., J. L. Fortney, S. M. Techtmann, D. C. Joyner, and T. C. Hazen. Microbial Community Changes and Crude Oil Biodegradation in Different Deep Oceans. August 21-26, 2016. Montreal, Canada. International Symposium for Microbial Ecology.
5. Ning, D., J. Wang, J. D. Van Nostrand, L. Wu, P. Zhang, Z. He, M. B. Smith, A. M. Rocha, S. W. Olesen, C. Paradis, J. H. Campbell, J. L. Fortney, T. L. Mehlhorn, K. A. Lowe, J. E. Earles, S. M. Techtmann, D. C. Joyner, D. Elias, K. L. Bailey, R. A. Hurt, S. P. Preheim, M. C. Sanders, M. A. Mueller, D. B. Watson, E. A. Dubinsky, P. D. Adams, A. P. Arkin, M. W. Fields, E. J. Alm, T. C. Hazen, A. Lancaster, B. J. Vaccaro, F. L. Poole, M. W. Adams, and J. Zhou. Disentangling Ecological Processes and Drivers In Subsurface Microbial Community Assembly In A Nuclear Waste Site. June 16, 2016. Boston, MA. ASM Microbe Annual Meeting.
6. Liu J., J. L. Fortney, S. M. Techtmann, D. C. Joyner, and T. C. Hazen. Microbial Community Response and Crude Oil Biodegradation in Different Deep Oceans. June 16, 2016. Boston, MA. ASM Microbe Annual Meeting.
7. Liu J., J. L. Fortney, S. M. Techtmann, D. C. Joyner, and T. C. Hazen. Microbial Community Response and Crude Oil Biodegradation in Different Deep Oceans. March 12, 2016. Knoxville, TN. 3rd Annual Southeastern Biogeochemistry Symposium.

8. Rocha, A. M., B. Adams, C. Paradis, T. L. Mehlhorn, J. E. Earles, K. A. Lowe, D. M. Klingeman, D. B. Watson, D. C. Joyner, S. Jagadamma, J. L. Fortney, J. J. Zhou, J. D. Van Nostrand, M. W. W. Adams, R. Chakraborty, D. Elias, E. J. Alm, T. C. Hazen, A. P. Arkin, and P. D. Adams. Temporal Variation in Groundwater Microbial Community Structure: Implications for Groundwater Monitoring. March 6, 2016. Tyson's Corner, VA. DOE Genomic Sciences Contractor Annual Meeting.
9. Hazen, T. C., Smith, M. B., Rocha, A. M., Smillie, C. S., Olesen, S. W., Paradis, C., Wu, L., Campbell, J. H., Fortney, J. L., Mehlhorn, T. L., Lowe, K. A., Earles, J. E., Phillips, J., Techtmann, S. M., Joyner, D. C., Elias, D. A., Bailey, K. L., Hurt, R. A., Preheim, S. P., Sanders, M. C., Yang, J., Mueller, M. A., Brooks, S., Watson, D. B., Zhang, P., He, Z., Dubinsky, E. A., Adams, P. D., Arkin, A. P., Fields, M. W., Zhou, J., and Alm, E. J. Keynote. Microbial Community Structure Predicts Groundwater Geochemistry. October 22-24, 2015, Lafayette, IN. Critical Zone Science, Sustainability, and Services in a Changing World. Purdue University.
10. Liu, J., J. L. Fortney, S. M. Techtmann, D. C. Joyner, and T. C. Hazen. Microbial Community changes and Crude Oil Biodegradation and Microbial Community Changes in Deep Oceans. October 22-24, 2015, Lafayette, IN. Critical Zone Science, Sustainability, and Services in a Changing World. Purdue University.
11. Liu*, J., J. L. Fortney, S. M. Techtmann, D. C. Joyner, T. C. Hazen. Microbial Activity and Community Changes to Crude Oil in Deep Oceans. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
12. Woo*, H., K. O'Dell, S. Techtmann, J. L. Fortney, D. C. Joyner and T. C. Hazen. What happens to lignin in the ocean? Evidence of Lignin Transformation from Marine Microcosms. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
13. Jagadamma*, S., C. J. Paradis, S. W. Olesen, A. M. Rocha, D. C. Joyner, J. L. Fortney, D. B. Watson, D. Elias, T. L. Mehlhorn, J. E. Earles, K. A. Lowe, P. Zhang, R. Chakraborty, M. Fields, M. W. W. Adams, J. Zhou, E. J. Alm, and T. C. Hazen. The Memory Effect: Investigating the exposure-history dependence of electron donor biodegradation rates in groundwater. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
14. Wang*, J., P. Zhang, L. Wu, Z. He, M. B. Smith, A. M. Rocha, C. S. Smillie, S. W. Olesen, C. J. Paradis, J. H. Campbell, J. L. Fortney, T. L. Mehlhorn, K. A. Lowe, J. E. Earles, J. Phillips, S. M. Techtmann, D. C. Joyner, S. P. Preheim, M. S. Sanders, J. Yang, M. A. Mueller, S. Brooks, D. B. Watson, M. W. W. Adams, W. A. Lancaster, F. L. Poole, E. Dubinsky, D. A. Elias, P. D. Adams, A. P. Arkin, M. W. Fields, E. J. Alm, T. C. Hazen, and J. Zhou. Free-living and particle-attached bacterial communities of groundwater along multiple environmental gradients. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
15. Rocha*, A. M., T. L. Mehlhorn, J. E. Earles, K. A. Lowe, D. M. Klingeman, D. B. Watson, D. C. Joyner, J. L. Fortney, S. Jagadamma, B. Detienne, B. Adams, J. J. Zhou, J. D. Van Nostrand, M. W. W. Adams, F. L. Poole, W. A. Lancaster, R. Chakraborty, E. J. Alm and T. C. Hazen. The Impact of Groundwater Well Disinfection on Microbial Community Response and Regrowth. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
16. Techtmann*, S., S. Stelling, D. Joyner, S. Uttakar, A. Harris, N. Alshibli, S. Brown, and T. C. Hazen. Phenotypic and Genomic Heterogeneity among *Colwellia psychrerythraea* Strains from Distant Deep-Sea Basins. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
17. Ulrich*, N., J. Wright, A. Rosenberger, T. C. Hazen, M. Campa, D. C. Joyner, and C. J. Grant. A Temporal Analysis of Impacts of Unconventional Natural Gas Extraction on Microbial Communities in Headwater Stream Ecosystems in Northwestern Pennsylvania. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
18. Wright*, J. R., D. Marabello, J. McDermott, W. Wang, T. Macbeth, M. F. Campa, D. C. Joyner, T. C. Hazen, and R. Lamendella. Microbial Community Structure and Function Associated with

- Dichloromethane Contaminated Groundwater. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
19. Fortney, J. L., J. Liu, S. M. Techtmann, D. C. Joyner*, and T. C. Hazen. Oil Biodegradation in Oxygen Minimum Zones. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
 20. Lamendella*, R., J. Wright, N. Weit, S. Rummel, T. C. Hazen, M. Fernanda Campa, D. C. Joyner, and C. Grant. Microbial Community Structure of a Passive Abandoned Coal Mine Remediation System In Pennsylvania. May 30, 2015, New Orleans, LA. American Society for Microbiology Annual Meeting.
 21. Whitt, K., S. M. Techtmann, J. L. Fortney, D. C. Joyner, and T. C. Hazen. Abundance and Diversity of *Thaumarchaeota* in Four Ocean Basins. April 13-15, 2015. Knoxville, TN. University of Tennessee Exhibition of Undergraduate Research and Creative Achievement (EURECA).
 22. Fitzgerald, K., S. M. Techtmann, J. L. Fortney, D. C. Joyner, and T. C. Hazen. Diversity and Distribution of Archaeal amoA Genes in Geochemically Distinct Marine Basins. April 13-15, 2015. Knoxville, TN. University of Tennessee Exhibition of Undergraduate Research and Creative Achievement (EURECA).
 23. Techtmann*, S., S. Stelling, D. Joyner, S. Uttukar, A. Harris, N. Alshibli, S. Brown, and T. C. Hazen. Phenotypic and Genomic Heterogeneity among *Colwellia psychrerythraea* Strains from Distant Deep-Sea Basins. March 28, 2015. Atlanta, GA. 2nd Annual Southeastern Biogeochemistry Symposium.
 24. Liu*, J., J. Fortney, S. Techtmann, D. Joyner, and T. C. Hazen. Crude Oil Biodegradation and Microbial Community Changes in Deep Oceans. March 28, 2015. Atlanta, GA. 2nd Annual Southeastern Biogeochemistry Symposium.
 25. Rocha, A. M., T. L. Mehlhorn, J. E. Earles, K. A. Lowe, D. M. Klingeman, D. B. Watson, D. C. Joyner, J. L. Fortney, S. Jagadamma, J. J. Zhou, J. D. Van Nostrand, M. W. W. Adams, F. L. Poole, W. A. Lancaster, R. Chakraborty, D. Elias, P. D. Adams, A. P. Arkin, E. J. Alm and T. C. Hazen. Temporal Variation in Groundwater Geochemistry and Microbial Community Structure at Oak Ridge Field Site. February 23, 2015. Tyson's Corner, VA. DOE Genomic Sciences Contractor Annual Meeting.
 26. Hazen, T. C., A. M. Rocha, M. Smith, C. Smillie, T. L. Mehlhorn, J. E. Earles, K. A. Lowe, J. Phillips, D. B. Watson, C. Paradis, K. Bailey, D. Joyner, J. L. Fortney, S. Pfiffner, J. J. Zhou, J. D. Van Nostrand, L. Wu, P. Zhang, Z. He, D. Curtis, D. Xu, D. Elias, M. Adams, F. Poole, R. Chakraborty, A. P. Arkin, E. Alm, and T. C. Hazen. Plenary Lecture. Microbial Community Structure Predicts Groundwater Geochemistry. October 7, 2014. Asilomar, CA. International Symposium of Subsurface Microbiology 2014 (ISSM 14).
 27. Woo, H., S. Techtmann, J. L. Fortney, D. C. Joyner, and T. C. Hazen. Investigating lignin degradation potential by microbial communities in the deep-ocean. October 7, 2014. Asilomar, CA. International Symposium of Subsurface Microbiology 2014 (ISSM 14).
 28. Mahmoudi, M., M. Robeson, T. Porter, S. Pfiffner, S. Techtmann, J. L. Fortney, D. C. Joyner, and T. C. Hazen. Sedimentary microbiomes in the Caspian Sea. August 24-29, 2014, Seoul, South Korea. International Symposium of Microbial Ecology (ISME 15).
 29. Techtmann, S., K. Ayers, J. L. Fortney, D. C. Joyner, S. Pfiffner, and T. C. Hazen. The structure and function of the eastern Mediterranean microbial community is strongly stratified by water mass. August 24-29, 2014, Seoul, South Korea. International Symposium of Microbial Ecology (ISME 15).
 30. Woo, H., S. Techtmann, J. L. Fortney, D. C. Joyner, and T. C. Hazen. Investigating lignin degradation potential by microbial communities in the deep-ocean. August 24-29, 2014, Seoul, South Korea. International Symposium of Microbial Ecology (ISME 15).
 31. Liu, J., S. Techtmann, J. L. Fortney, D. C. Joyner, and T. C. Hazen*. Microbial respiration and community changes to crude oil in deep Eastern Mediterranean and Great Australian Bight.

- August 24-29, 2014, Seoul, South Korea. International Symposium of Microbial Ecology (ISME 15).
32. Rocha*, A., S. Pfiffner, K. Ayers, J. L. Fortney, S. Techtmann, D. C. Joyner, J. Van Nostrand, P. Zhang, A. Lancaster, J. Zhou, D. Watson, M. Adams, R. Chakraborty, A. Arkin, E. Alm, and T. C. Hazen. Phospholipid fatty acid analysis for characterization of a microbial community structure across a geochemically diverse watershed. August 24-29, 2014, Seoul, South Korea. International Symposium of Microbial Ecology (ISME 15).
 33. Rocha*, A. M., T. L. Mehlhorn, J. E. Earles, K. A. Lowe, J. Phillips, D. B. Watson, C. Paradis, K. Bailey, D. C. Joyner, J. L. Fortney, S. Pfiffner, J. J. Zhou, J. D. Van Nostrand, L. Wu, P. Zhang, Z. He, D. Curtis, D. Xu, D. Elias, M. Adams, A. Lancaster, R. Chakraborty, A. P. Arkin, E. Alm and T. C. Hazen. Temporal Variation in Groundwater Geochemistry has a Dominant Effect on Microbial Community Structure. August 19-20, 2014, Berkeley, CA. ENIGMA SFA Annual Retreat
 34. Liu*, J., S. Techtmann, J. Fortney, D. Joyner, and T. C. Hazen. Oil-Induced Changes in the Structure and Function of the Eastern Mediterranean Sea Microbial Community. May 18, 2014, Boston, MA. American Society for Microbiology Annual Meeting.
 35. Techtmann*, S. M., K. Ayers, J. L. Fortney, D. C. Joyner, S. M. Pfiffner, and T. C. Hazen. The Eastern Mediterranean Microbial Community is Strongly Stratified by Water Mass. May 18, 2014, Boston, MA. American Society for Microbiology Annual Meeting.
 36. Woo*, H. L., S. M. Techtmann, J. L. Fortney, D. C. Joyner, and T. C. Hazen. Investigating Lignin Degradation Potential in the Hypersaline Eastern Mediterranean Deep-Sea Basin. May 18, 2014, Boston, MA. American Society for Microbiology Annual Meeting.
 37. Rocha*, A. M., C. Smillie, T. L. Mehlhorn, J. E. Earles, K. A. Lowe, J. Phillips, D. B. Watson, C. Paradis, K. Bailey, D. Joyner, J. L. Fortney, S. Pfiffner, J. J. Zhou, J. D. Van Nostrand, L. Wu, P. Zhang, D. Curtis, D. Xu, D. Elias, M. W. Adams, A. Lancaster, R. Chakraborty, A. P. Arkin, E. J. Alm, and T. C. Hazen. Temporal Variation in Groundwater Geochemistry Has a Dominant Effect on Microbial Community Structure at the Oak Ridge Field Research Site. May 18, 2014, Boston, MA. American Society for Microbiology Annual Meeting.
 38. Mahmoudi*, N., M. S. Robeson, S. M. Techtmann, S. M. Pfiffner, S. C. Stelling, J. L. Fortney, D. C. Joyner, and T. C. Hazen. Diversity and Function of Microbial Communities in the Caspian Sea. May 18, 2014, Boston, MA. American Society for Microbiology Annual Meeting
 39. Rocha*, A. M., M. Smith, C. Smillie, J. L. Fortney, S. M. Techtmann, D. C. Joyner, T. L. Mehlhorn, J. E. Earles, K. A. Lowe, J. Phillips, D. B. Watson, J. H. Campbell, S. Pfiffner, K. Ayers, C. Paradis, J. D. Van Nostrand, L. Wu, P. Zhang, Z. He, J. Zhou, M. W. W. Adams, A. Lancaster, P. D. Adams, A. P. Arkin, E. J. Alm, and T. C. Hazen. Microbial Community Structure Predicts Groundwater Geochemistry. February 10-12, 2014. Arlington, VA. Genomics Sciences Program Contractor-Grantee Meeting.
 40. Rocha*, A. M., M. Smith, C. Smillie, J. L. Fortney, S. M. Techtmann, D. C. Joyner, T. L. Mehlhorn, J. E. Earles, K. A. Lowe, D. B. Watson, J. H. Campbell, E. Alm, A. P. Arkin, and T. C. Hazen. Global Survey of the Department of Energy's Oak Ridge Field Research Site. July 18, 2013, Oak Ridge, TN. 1st Annual Postdoc Research Symposium, Oak Ridge National Laboratory
 41. Techtmann*, S., J. Fortney, A. Rocha, D. Joyner, and T. C. Hazen. Hydrocarbon-Degrading Bacteria in the Warm Oligotrophic Deep Eastern Mediterranean. June 10-13, 2013, Jacksonville, FL. *Second International Symposium on Bioremediation and Sustainable Environmental Technologies*.
 42. Rocha*, A. M., J. L. Fortney, S. M. Techtmann, D. C. Joyner, T. L. Mehlhorn, J. Earles, K. A. Lowe, D. B. Watson, J. H. Campbell, E. Alm, M. Smith, A. P. Arkin, and T. C. Hazen. Geochemical diversity and microbial-environmental associations of uranium-contaminated groundwater at Oak Ridge field research sites. May 19, 2013, Denver, CO. American Society for Microbiology Annual Meeting.

43. Techtmann*, S. M., J. L. Fortney, D. C. Joyner, A. M. Rocha, T. D. Linley, and T. C. Hazen. Hydrocarbon Degrading Bacteria in the Warm Oligotrophic Deep Eastern Mediterranean. May 19, 2013, Denver, CO. American Society for Microbiology Annual Meeting.
44. Piceno*, Y., L. Tom, F. Reid, S. Borglin, J. Fortney, D. Joyner, A. Pettenato, T. C. Hazen, C. Spier, W. Stringfellow, J. Wong, and G. Andersen. Microbial community structure differences associated with elevated hydrocarbon concentrations in sediment near and far from the Deepwater Horizon MC-252 wellhead. August 20-24, 2012, Copenhagen, Denmark. International Symposium of Microbial Ecology (ISME 14).
45. Dubinsky, E. A., L. Tom, F. Reid, S. Borglin, K. Chavarria, J. Fortney, D. Joyner, J. Kuehl, R. Lamendella, H. Lim, O. Mason, Y. Piceno, K. Wetmore, C. Wu, T. C. Hazen, and G. Andersen. Succession and persistence of hydrocarbon-degrading microbial communities following the Deepwater Horizon Oil Spill. June 16, 2012, San Francisco, CA. Annual Meeting of the American Society for Microbiology.
46. Podar, M., J. J. Mosher, S. D. Brown, D. C. Joyner, R. Csencsits, T. J. Phelps, K. H. Downing, T. C. Hazen, A. P. Arkin, A. V. Palumbo, and D. A. Elias. A Functional Genomic Characterization of Metal-reducing *Pelosinus* spp. isolated from Cr(VI) Contaminated Groundwater. June 16, 2012, San Francisco, CA. Annual Meeting of the American Society for Microbiology.
47. Dubinsky, E. A., L. M. Tom, F. Reid, S. Borglin, K. Chavarria, J. Fortney, D. Joyner, J. Kuehl, R. Lamendella, H. - C. Lim, R. Mackelprang, O. U. Mason, Y. Piceno, K. Wetmore, C. Wu, T. C. Hazen, G. L. Andersen. Microbial community composition as a highly sensitive biosensor for oil spills in the deep ocean. March 2012, San Diego, CA. ACS Spring Meeting.
48. Chakraborty*, R., S. E. Borglin, B. Faybishenko, P. Dehal, A. P. Arkin, T. C. Hazen, M. W. Fields, J. Geller, J. Fortney, D. Joyner², M. Conrad, and P. D. Adams. Effect of Nitrate Stress on Metal-reducing Microbes and Results of Nitrate push/pull Field Tests at Hanford 100H. February 27-29, 2012. Washington, DC. DOE Genomic Science Meeting.
49. Hazen*, T. C., M. W. Fields, J. Zhou, J. Van Nostrand, D. A. Elias, J. J. Mosher, S. D. Brown, T. J. Phelps, M. Podar, A. V. Palumbo, R. A. Hurt, A. Singh, E. Alm, M. B. Smith, D. C. Joyner, R. Chakraborty, B. Faybishenko, K. DeLeon, J. Geller, B. Lam, T. Torok, J. Fortney, S. E. Borglin, D. Stahl, J. Wall, A. P. Arkin, and P. D. Adams. ENIGMA Environmental Overview: Field to Lab to Field. February 27-29, 2012. Washington, DC. DOE Genomic Science Meeting.
50. Hazen. T. C., B. Faybishenko, H. R. Beller, E. Brodie, E. L. Sonnenthal, C. I. Steefel, J. Larsen, M. E. Conrad, J. N. Christensen, S. T. Brown, D. C. Joyner. S. E. Borglin, J. Geller, R. Chakraborty, P. Nico, P. Long, D. Newcomer, and E. Arntzen. Comparison of field groundwater biostimulation experiments using polylactate and lactate solutions at the Chromium-contaminated Hanford 100-H Site. December 2011, San Francisco, CA. American Geophysical Union Annual Meeting.
51. Conrad*, M. E., M. Bill, W.T. Stringfellow, S. E. Borglin, O. U. Mason, E. A. Dubinsky, Y. M. Piceno, J. L. Fortney, L. M. Tom, K. L. Chavarria, R. Lamendella, D. C. Joyner, K. Wetmore, J. Kuehl, R. Mackelprang, C. Wu, J. Lim, F. Reid, and T. C. Hazen. Invited Symposium. Isotopic evidence for microbial oxidation of dissolved methane in the Gulf of Mexico oil spill deep plume. August 14-19, 2011, Prague, Czech Republic. Goldschmidt Conference.
52. Chakraborty*, R., T. C. Hazen, S. E. Borglin, and D. C. Joyner. Invited Symposium. Degradation and oil and dispersant by microbes isolated from the Gulf of Mexico in the aftermath of MC252 oil spill. July 25, 2011, New Orleans, LA. SIM annual meeting.
53. Hazen, T. C., B. Faybishenko*, H. Beller, E. Brodie, E. Sonnenthal, C. Steefel, J. Larsen, M. Conrad, M. Bell, J. Christensen, S. Brown, D. Joyner, S. Borglin, J. Geller, R. Chakraborty, P. Nico, P. Long, D. Newcomer, and E. Arntzen. Comparison of Field Groundwater Biostimulation Experiments Using Polylactate and Lactate Solutions at the Chromium Contaminated Hanford 100-H Site. June 27, 2011, Reno, NV. The International Symposium on Bioremediation and Sustainable Environmental Technologies.

54. Borglin*, S. E., Y. Piceno, D. C. Joyner, J. Fortney, and T. C. Hazen. 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.
55. Joyner*, D. C., R. Chakraborty, S. E. Borglin, D. H. Long, and T. C. Hazen. 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.
56. Chakraborty*, R., S. E. Borglin, D. H. Long, D. C. Joyner, and T. C. Hazen. Interaction of MC252 oil and COREXIT with isolates and enrichments from Gulf of Mexico. May 22, 2011, New Orleans, LA. ASM annual Meeting.
57. Geller*, J. T., H. Woo, D. C. Joyner, S. Kendall, and T. C. Hazen. Microfluidic Studies of Nitrate Stress on *Shewanella oneidensis* Biofilms. May 22, 2011, New Orleans, LA. ASM annual Meeting.
58. Chakraborty*, R., D. Joyner, B. A. Faybishenko, M. Fields, T. Torok, G. L. Andersen, and T. C. Hazen. 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.
59. Borglin*, S., O. U. Mason, E. Dubinsky, J. Fortney, R. Lamendella, D. Joyner, Y. Piceno, and T. C. Hazen. Invited Symposium. 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).
60. Joyner*, D. C., Hazen, T. C. Phenotypic MicroArray for bioenergy applications. September 13-15, 2010, Florence, Italy. Florence Conference on Phenotype Microarray Analysis of Microorganisms.
61. Dubinsky, E., T. DeSantis*, Y. Piceno, O. Mason, N. Singh, A. Probst, D. Joyner, R. Chakraborty, T. C. Hazen, G. Andersen. 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.
62. Borglin*, S. E., O. U. Mason, E. Dubinsky, J. Fortney, R. Lamendella, D. Joyner, Y. Piceno, and T. C. Hazen. 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.
63. 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. 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.
64. Joyner*, D. C., J. L. Fortney, R. Chakraborty, and T. C. Hazen. 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.
65. 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. 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.
66. 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. 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.

67. 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. 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.
68. 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. 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.
69. 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.
70. Kozina*, C. L., A. S. Pawate, D. Joyner, K. L. Sale, D. S. Reichmuth, T. C. Hazen, and R. Sapra. 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.
71. 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.
72. 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.
73. 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.
74. 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.
75. 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.
76. 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.
 77. 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.
 78. 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.
 79. Hazen*, T. C., S. E. Borglin, D. C. Joyner, and J. Jacobsen. Anaerobic Phenotypic Microarray. March 2008, Florence, Italy. Phenotypic Microarray Conference
 80. 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.
 81. 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. Protein Complex Analysis Project (PCAP): Project overview. February 2008, North Bethesda, MD. Genomics: GTL Awardee Workshop VI.
 82. 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.
 83. 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.
 84. 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. Wozel, 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.
 85. 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.
86. 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.
 87. 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
 88. 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.
 89. 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.
 90. 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.
 91. 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.
 92. 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.
 93. Hazen*, T. C., B. Faybishenko, E. Brodie, D. Joyner, S. Borglin, J. Hanlon, M. Conrad, T. Tokunaga, J. Wan1, S. Hubbard, K. Williams, J. Peterson, M. Firestone, G. Andersen, T. DeSantis, R. Chakraborty, P. E. Long, D. R. Newcomer, C. T. Resch, K. Cantrell, A. Willett, and S. Koenigsberg. Field-Integrated Studies of Long-Term Sustainability of Chromium Bioreduction at Hanford 100H Site. April 2007, Lansdowne, VA. DOE Environmental Remediation Sciences Program Annual Review.
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149. Hazen, T. C., D. Joyner, S. Borglin, B. Faybishenko, J. Wan, T. Tokunaga, S. Hubbard, K. Williams, M. Firestone, E. Brodie, P. E. Long, E. Willett, and S. Koenigsberg. Field Investigations of HRC®-Stimulated Bioreduction of Cr(VI) at Hanford 100H. May 2004, Monterey, CA. International Conference on Chlorinated and Recalcitrant Compound Remediation
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 152. DeAngelis*, K., E. Schwartz, M. Firestone, J. Wan, T. Tokunaga, D. Joyner, and T. C. Hazen. Microbial community composition and chromium transport in a clay sediment. June 2001, Berkeley, CA. UC Berkeley, 2nd Ann. Microbiology Symposium.
 153. Wan, J., T. Tokunaga, D. Joyner, T. C. Hazen, M. Firestone, E. Schwartz, S. Sutton, and M. Newville. Invited Symposium. Mesoscale biotransformation dynamics controlling reactive transport of chromium. February 2000, Reston, VA. NABIR annual investigators meeting.

ADDITIONAL INFORMATION

- Google Scholar H index of 17 with 22 publications (two highly cited, top 1%) and 153 abstracts
- Full CV available at hazenlab.utk.edu, Google Scholar link: goo.gl/nVpaoD
- Extensive laboratory skills, Next Gen sequencing, classical microbiology, epifluorescence microscopy, OmniLog, nucleic acid and lipids extractions, anaerobic technique, data manipulation and analysis. Can troubleshoot, maintain and operate most laboratory equipment and train others to do the same.

as of 01/02/2018