

Publications Related To These Projects

- Amend, J.P., **Meyer-Dombard, D.R.** (2021) The shallow-sea hydrothermal system at Vulcano Island (Italy): The 'type locality' for several transformative discoveries in geobiology. *Italian Journal of Geosciences*, 140:7-15.
- **Meyer-Dombard, D.R.**, Amend, J.P., Osburn, M.R. (2013). Microbial diversity and potential for arsenic and iron biogeochemical cycling at an arsenic-rich, shallow-sea hydrothermal vent (Tutum Bay, Papua New Guinea). *Chemical Geology*, 348:37-47. doi.org/10.1016/j.chemgeo.2012.02.024.
- **Meyer-Dombard, D.R.**, Price, R., Pichler, T., Amend, J.P. (2012). Prokaryotic populations in heated, arsenic-rich sediments of a shallow-sea hydrothermal system, Ambitle Island, Papua New Guinea. *Geomicrobiology Journal*, 29:1-17.
- Amend, J.P., **Meyer-Dombard, D.R.**, Sheth, S.N., Zolotova, N., and Amend, A.C. (2003), *Palaeococcus helgesonii*, sp. nov., a facultatively anaerobic, hyperthermophilic Archaeon from a geothermal well on Vulcano Island, Italy. *Archives of Microbiology*, 179: 394-401.

REFEREED BOOKS AND SERIES

- Amend, J.P., Rogers, K.L., and **Meyer-Dombard, D.R.**, (2004), Microbially mediated sulfur-redox: Energetics in marine hydrothermal vent systems. IN: *Sulfur Biogeochemistry-Past and Present*. GSA Special Paper 379 (Eds., Amend, J.P, Edwards, K.J., and Lyons, T.W.), p.17-34.

Conference Presentations Related To These Projects:

CONTRIBUTED ORAL PRESENTATIONS:

- 3] **Amend, J.P.**, Meyer-Dombard, D.R., Akerman, N.H., Osburn, M.R., Herndon, E.M., Garey, J.R., Rubelman, H., Wu., T. (2007). Archaea and Bacteria in an arsenic-rich shallow-sea hydrothermal system, Papua New Guinea. <http://www.goldschmidt2007.org/index.php>.
- 2] **Amend, J.P.**, Akerman, N.H., Meyer-Dombard, D.R., Osburn, M.R., Pichler, T., Price, R.E. (2006). Microbial communities and geochemical energy in an arsenic-rich marine hydrothermal system. Goldschmidt Geochemical Conference. <http://goldschmidt2006.org>
- 1] **Amend, J.P.**, Meyer-Dombard, D.R., Rogers, K., Rusch, A. (2004). Thermophiles and vent geochemistry at Vulcano (Italy) and Ambitle (Papua New Guinea). Goldschmidt Geochemical Conference. <http://www.goldschmidt2004.dk/>.

CONTRIBUTED POSTER PRESENTATIONS:

- 6] **Meyer-Dombard, D.R.**, Cardace, D., Loiacano, S., Güleçal, Y., Woycheese, K., Amend, J.P. (2011). Biogeochemical Cycling in Shallow-Sea and Terrestrial Hydrothermal Systems Goldschmidt Geochemical Conference, Prague. <http://goldschmidt2011.org/program/programIndex?letter=M>
- 5] **Meyer-Dombard, D.R.**, Burton, M., Vennelakanti, S., Havig, J., Shock, E.L. (2009). Carbon and nitrogen cycling in thermally heated sediments. *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract B23C-0390, American Geophysical Union, Fall Meeting, 2009.

- 4] Akerman, N.H., Amend, J.P., **Meyer-Dombard, D.R.**, Osburn, M.R. (2006). Archaeal Communities in an Arsenic-Rich Shallow-Sea Hydrothermal System. *AGU*, 87(52), Fall Meet. Suppl., Abstract B32-12727, American Geophysical Union, Fall Meeting, 2006.
- 3] **Meyer-Dombard, D.R.**, Osburn, M.R., Amend, J.P. (2005). Archaeal and Bacterial Variation Across Geochemical Gradients in an Arsenic-Rich, Shallow Submarine Vent, Papua New Guinea. *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract B21A-1015, American Geophysical Union, Fall Meeting, 2005.
- 2] Amend, J.P., **Meyer-Dombard, D.R.**, Pichler, T., Price, R., Herndon, E., Hsia, N. (2005) Microbial Arsenic Oxidation in a Shallow Marine Hydrothermal Vent System. *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract B31A-0955, American Geophysical Union, Fall Meeting, 2005.
- 1] **Meyer-Dombard, D.R.**, Price, R., Pichler, T., Amend, J.P. (2004). Geochemical-microbial Processes in Hydrothermal Sediments, Ambitle Island, Papua New Guinea. Goldschmidt Geochemical Conference. <http://www.goldschmidt2004.dk/>.