

PUBLICATIONS – STEFAN M. SIEVERT

*indicates student or postdoctoral scientist in my lab

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73. McNichol ^{*}, J., S. Dyksma, M. Mussmann, J. S. Seewald, S. P. Sylva, **S. M. Sievert** [^]. 2020. Group-Specific Carbon Fixation Activity Measurements Reveal Distinct Responses to Oxygen Among Hydrothermal Vent Campylobacteria. bioRxiv, <https://www.biorxiv.org/content/10.1101/2020.11.29.402834v1>
72. Mullineaux, L. S., S. W. Mills, N. Le Bris, S. E. Beaulieu, **S. M. Sievert**, L. N. Dykman. 2020. Prolonged recovery time after eruptive disturbance of a deep-sea hydrothermal vent community. Proceedings of the Royal Society B, accepted
71. Hinzke, T., M. Kleiner, M. Meister, R. Schlüter, C. Hentschker, J. Pané-Farré, P. Hildebrandt, H. Felbeck, **S. M. Sievert**, F. Bonn, U. Völker, D. Becher, T. Schweder, S. Markert. 2020. Bacterial symbiont subpopulations have different roles in a deep-sea symbiosis. bioRxiv, <https://doi.org/10.1101/2020.04.08.032177>, eLife
70. Shiotani, T., S. Mino, W. Sato, **S. M. Sievert**, T. Sawabe. *Nitrosophilus alvini* gen. nov., sp. nov., a hydrogen-oxidizing chemolithoautotroph isolated from a deep-sea hydrothermal vent in the East Pacific Rise, inferred by a genome-based taxonomy of the phylum "*Campylobacterota*", PLoS One 15(12):e0241366
69. Wang^{*}, C. H., L. K. Gulmann, T. Zhang, G. A. Farfan, C. M. Hansel[^], **S. M. Sievert**[^]. 2020. Microbial colonization of metal sulfide minerals at a diffuse-flow deep-sea hydrothermal vent at 9°50'N on the East Pacific Rise. Geobiology 18:594-605
68. Hou, J., **S. M. Sievert**, Y. Wang, J. S. Seewald, V. Perumal Natarajan, F. Wang, X. Xiao. 2020. Microbial succession during the transition from active to inactive stages of deep-sea hydrothermal vent sulfide chimneys. Microbiome 8(1):102.
67. Beam J. P., E. D. Becraft, J. M. Brown, F. Schulz, J. K. Jarett, O. Bezuidt, N. Poulton, K. Clark, P. Dunfield, N. V. Ravin, J. R. Spear, B. Hedlund, M. Stott, Kostas Kormas, **S. M. Sievert**, M. S. Elshahed, H. Barton, J. A. Eisen, D. Moser, T. C. Onstott, T. Woyke, R. Stepanauskas. 2020. Ancestral Absence of Electron Transport Chains in Patescibacteria and DPANN Frontiers in Microbiology 11:1848
66. Hinzke T., M. Kleiner, C. Breusing, H. Felbeck, R. Häslner, **S. M. Sievert**, R. Schlüter, P. Rosenstiel, T. B. H. Reusch, T. Schweder, S. Markert. 2019. Host-Microbe Interactions in the Chemosynthetic *Riftia pachyptila* Symbiosis. mBIO 10(6):e02243-19
65. Ponnudurai, R., S. E. Heiden, L. Sayavedra, T. Hinzke, M. Kleiner, C. Hentschker, H. Felbeck, **S. M. Sievert**, R. Schlüter, D. Becher, T. Schweder, and S. Markert. 2019. Comparative proteomics of related symbiotic mussel species reveals high variability of host-symbiont interactions. IMSE Journal 14:649-656.
64. Labonté, J. M., M. Pachiadaki, E. Ferguson, J. McNichol^{*}, A. Grosche, L. K. Gulmann, C. Vetriani, **S. M. Sievert**, R. Stepanauskas. 2019. Single cell genomics-based analysis of gene content and expression of prophages in a diffuse-flow deep-sea hydrothermal system. Frontiers in Microbiology 10:1262.

63. Thomas^{*}, F., J. M. Morris, C. Wigand, **S. M. Sievert**[^]. 2019. Short-term effect of simulated salt marsh restoration by sand-amendment on sediment bacterial communities. *PLoS One* 14(4):e0215767.
62. Youssef N., C. R. Hahn, I. Farag, J. Jarett, E. Becraft, E. Eloë-Fadrosh, J. Lightfoot, A. Bourgeois, T. Cole, S. Ferrante, M. Truelock, W. Marsh, M. Jamaledine, S. Ricketts, R. Simpson, A. McFadden, W. Hoff, N. Ravin, **S. Sievert**, R. Stepanauskas, T. Woyke, M. Elshahed. 2019. Genomic characterization of candidate division LCP-89 reveals an atypical cell wall structure, microcompartment production, and dual respiratory and fermentative capacities. *Applied and Environmental Microbiology* 85(10):e00110-19
61. Dang, H., M. G. Klotz, C. R. Lovell, **S. M. Sievert**. 2019. Editorial: The response of marine microorganisms, communities and ecofunctions to environmental gradients. *Frontiers in Microbiology* 10:115
60. Le Bris, N., M. Yücel, A. Das, **S. M. Sievert**, L. PonnaPakkam, P. R Girgius. Hydrothermal energy transfer and organic carbon production at the deep seafloor. *Frontiers in Marine Science* 5:531
59. **Sievert, S. M.**, J. McNichol^{*}, F. Thomas^{*}. 2018. How do deep-sea hot spring ecosystems work? *Environmental Science Journal for Kids*
58. Götz^{*} F., P. Pjevac, S. Markert, J. McNichol, D. Becher, T. Schweder, M. Mussmann, **S. M. Sievert**[^]. 2018. Transcriptomic and proteomic insight into the mechanism of cyclooctasulfur- versus thiosulfate-oxidation by the chemolithoautotroph *Sulfurimonas denitrificans*. *Environmental Microbiology* 21:244-258.
57. Longnecker K., **S. M. Sievert**, S. P. Sylva, J. S. Seewald, E. B. Kujawinski. 2018. Dissolved organic carbon compounds in deep-sea hydrothermal vent fluids from the East Pacific Rise at 9°50'N. *Organic Geochemistry* 125:41-49.
56. McNichol^{*}, J., H. Stryhanyuk, S. P. Sylva, F. Thomas^{*}, N. Musat, J. S. Seewald, **S. M. Sievert**[^]. 2018. Primary productivity below the seafloor at deep-sea hot-springs. *Proceedings of the National Academy of Sciences of the USA* 115:6756-6761
55. Troy L., N. Resnick, **S. M. Sievert**. 2018. Engineering Partnerships: How collaborating with a scientist created an authentic engineering problem. *ScienceScope* 41(8).
54. Götz[#], F., K. Longnecker, M. C. Kido-Soule, K. W. Becker, J. McNichol, E. B. Kujawinski, **S. M. Sievert**[^]. 2018. Targeted metabolomics reveals proline as a major osmolyte in the chemolithoautotroph *Sulfurimonas denitrificans*. *MicrobiologyOpen*. e586.
53. Signori[#], C. N., V. H. Pellizari, A. Enrich-Prast, **S. M. Sievert**[^]. 2018. Spatiotemporal dynamics of marine bacterial and archaeal communities in surface waters off the northern Antarctic Peninsula. *Deep-Sea Research Part II* 149:150-160.
52. Bühring[^], S. I., **S. M. Sievert**[^]. 2017. The shallow submarine hot vent system off Milos (Greece) – a natural laboratory for the study of hydrothermal geomicrobiology. *In* Life at Vents and Seeps, Jens Kallmeyer (ed.), De Gruyter, Berlin, Germany.
51. Punudurai, R., L. Sayavedra, M. Kleiner, S. E. Heiden, A. Thürmer, H. Felbeck, R. Schlüter, **S. M. Sievert**, R. Daniel, T. Schweder, S. Markert. 2017. Genome sequence of the sulfur-oxidizing *Bathymodiolus thermophilus* gill endosymbiont. *Standards in Genomic Sciences* 12:50.

50. Pérez-Rodríguez[#] I., **S. M. Sievert**, M. L. Fogel, D. I. Foustoukos. 2017. Biogeochemical N signatures from rate-yield trade-offs during in vitro chemosynthetic NO₃⁻ reduction by deep-sea vent ϵ -Proteobacteria and Aquificae growing at different temperatures. *Geochimica et Cosmochimica Acta* 211:214–227.
49. Giovannelli D., **S. M. Sievert**, M. Hügler, S. Markert, D. Becher, T. Schweder, C. Vetriani. 2017. Insight into the evolution of microbial metabolism from the deep-branching bacterium, *Thermovibrio ammonificans*. *eLIFE* 6:e18990.
48. Waite D. W., I. Vanwonterghem, C. Rinke, D. H. Parks, Y. Zhang, K. Takai, **S. M. Sievert**, J. Simon, B. J. Campbell, T. E. Hanson, T. Woyke, M. G. Klotz, P. Hugenholtz. 2017. Comparative Genomic Analysis of the Class *Epsilonproteobacteria* and Proposed Reclassification to *Epsilonbacteraeota* (phyl. nov.). *Frontiers in Microbiology* 8:682. and erratum 2018, 9:772.
47. Gomez-Saez G. V., P. Pop Ristova, **S. M. Sievert**, M. Elvert, K.-U. Hinrichs, S. I. Bühring. 2017. Relative importance of chemoautotrophy for primary production in a light exposed marine shallow hydrothermal system. *Frontiers in Microbiology* 8:702.
46. Mino, S., S. Nakagawa, H. Makita, T. Toki, J. Miyazaki, **S. M. Sievert**, M. Polz, F. Inagaki, A. Godfroy, S. Kato, H. Watanabe, T. Nunoura, K. Nakamura, H. Imachi, T. Watsuji, S. Kojima, K. Takai, T. Sawabe. 2017. Endemicity of the cosmopolitan mesophilic chemolithoautotroph *Sulfurimonas* at deep-sea hydrothermal vents. *ISME Journal* 11(4):909-919.
45. McNichol^{*}, J., S. P. Sylva, Fr. Thomas, C. D. Taylor, **S. M. Sievert**[^], J. S. Seewald[^]. 2016. Assessing microbial processes in deep-sea hydrothermal systems by incubation at in situ temperature and pressure. *Deep-Sea Research Part I* 155:221-232.
44. He, Y., M. Li, V. Perumal, X. Feng, J. Fang, J. Xie, **S. M. Sievert**, F. Wang. 2016. Genomic and enzymatic evidence for acetogenesis among multiple lineages of the archaeal phylum Bathyarchaeota widespread in marine sediments. *Nature Microbiology* 1:16035.
43. Gulmann, L. K., S. E. Beaulieu, T. M. Shank, K. Ding, W. E. Seyfried, **S. M. Sievert**[^]. 2015. Bacterial diversity and successional patterns during biofilm formation on freshly exposed basalt surfaces at diffuse-flow deep-sea vents. *Frontiers in Microbiology*, 6:901.
42. Signori[#], C. N., F. Thomas, A. Enrich-Prast, R. C. G. Pollery, **S. M. Sievert**[^]. 2014. Microbial diversity and community structure across environmental gradients in Bransfield Strait, Western Antarctic Peninsula. *Frontiers in Microbiology* 5:647
41. Honjo, S., T. I. Eglinton, C. D. Taylor, K. M. Ulmer, **S. M. Sievert**, A. Bracher, C. R. German, V. Edgcomb, R. Francois, M. D. Iglesias-Rodriguez, B. van Mooy, D. J. Repeta. 2014. Understanding the role of the biological pump in the global carbon cycle: An imperative for ocean science. *Oceanography Magazine* 27(3):10–16.
40. Thomas^{*^}, F., A. E. Giblin, Z. G. Cardon, **S. M. Sievert**[^]. 2014. Rhizosphere heterogeneity shapes abundance and activity of sulfur-oxidizing bacteria in vegetated salt marsh sediments. *Frontiers in Microbiology* 5:309.
39. Zhang^{*} Y., **S. M. Sievert**. 2014. Pan-genome analyses identify lineage- and niche-specific markers of evolution and adaptation in *Epsilonproteobacteria*. *Frontiers in Microbiology* 5:110.

38. Rinke C., P. Schwientek, A. Sczyrba, N. N. Ivanova¹, I. J. Anderson, J.-F. Cheng, A. Darling, S. Malfatti, B. K. Swan, E. A. Gies, J. A. Dodsworth, B. P. Hedlund, G. Tsiamis, **S. M. Sievert**, W.-T. Liu, J. A. Eisen, S. J. Hallam, N. C. Kyrpides, R. Stepanauskas, E. M. Rubin, P. Hugenholtz, T. Woyke. 2013. Insights into the phylogeny and coding potential of microbial dark matter. *Nature* 499:431-437.
37. Yücel, M., **S. M. Sievert**, C. Vetriani, D. I. Foustoukos, D. Giovannelli, N. Le Bris. 2013. Eco-geochemical dynamics of a shallow-water hydrothermal vent system at Milos Island, Aegean Sea (Eastern Mediterranean). *Chemical Geology* 356:11-20.
36. **Sievert**[^], **S. M.**, C. Vetriani. 2012. Chemoautotrophic at deep-sea vents: Past, present, and future. *Oceanography Magazine* 25(1): 218-233.
35. Gardebrecht A., S. Markert, **S. M. Sievert**, H. Felbeck, A. Thürmer, D. Albrecht, A. Wollherr, J. Kabisch, N. Le Bris, R. Lehmann, R. Daniel, H. Liesegang, M. Hecker, T. Schweder. 2011. Comparative proteogenomics reveals physiological homogeneity among endosymbionts of the deep-sea vent tubeworms *Riftia pachyptila* and *Tevnia jerichonana*. *ISME Journal* 6: 766-776.
34. Smith A., M. Fisk, M. Nielsen, C. G. Wheat, H. W. Jannasch, A. T. Fisher, K. Becker, **S. M. Sievert**, G. Flores, R. Popa. 2011. *In situ* enrichment of ocean crust microbes on igneous minerals and glasses using an osmotic flow-through device. *Geochemistry, Geophysics, Geosystems* 12 (6).
33. Markert S., A. Gardebrecht, H. Felbeck, **S. M. Sievert**, A. Thürmer, D. Becher, J. Klose, D. Albrecht, A. Wollherr, R. Daniel, M. Kleiner, M. Hecker, T. Schweder. 2011. Status quo in physiological proteomics of *Endoriftia persephone*, the uncultured endosymbiont of the giant tubeworm *Riftia pachyptila*. *Proteomics* 11:3106-3117.
32. Hügler[^] M, **S. M. Sievert**[^]. 2011. Beyond the Calvin Cycle: Autotrophic Carbon Fixation in the Ocean. *Annual Review of Marine Science* 3:261-289.
31. Foustoukos D. I., J. L. Houghton, W. E. Seyfried Jr., **S. M. Sievert**, G. D. Cody. 2011. Kinetics of H₂-H₂O redox equilibria and formation of metastable H₂O₂ under low temperature hydrothermal conditions. *Geochimica et Cosmochimica Acta* 75:1594-1607.
30. Hügler[#] M., J. M. Petersen, N. Dubilier, J. F. Imhoff, **S. M. Sievert**[^]. 2011. Pathways of carbon and energy metabolism of the epibiotic community associated with the deep-sea hydrothermal vent shrimp *Rimicaris exoculata*. *PLoS One* 6(1): e16018.
29. Bühring[^] S. I., **S. M. Sievert**[^], H. M. Jonkers, T. Ertefai, M. S. Elshahed, L. R. Krumholz, K.-U. Hinrichs. 2011. Insights into chemotaxonomic composition and carbon cycling of phototrophic communities in an artesian sulfur-rich spring (Zodletone, Oklahoma, USA), a possible analogue for ancient microbial mat systems. *Geobiology* 9:166-179.
28. Xie W., F. Wang, L. Guo, Z. Chen, **S. M. Sievert**, J. Meng, G. Huang, Y. Li, Q. Yan, S. Wu, X. Wang, S. Chen, G. He, X. Xiao, A. Xu. 2011. Comparative metagenomics of microbial communities inhabiting deep-sea hydrothermal vent chimneys with contrasting chemistries. *ISME Journal* 5:414-426.
27. Walker, C. B., J. R. de la Torre, M. G. Klotz, H. Urakawa, N. Pinel, D. J. Arp, C. Brochier-Armanet, P. S. G. Chain, P. P. Chan, A. Golabgir-Anbarani, J. Hemp, M. Hügler, E. A. Karr, M. Könneke, D. Lang, T. Lowe, W. Martens-Habbena, L. A. Sayavedra-Soto, M. Shin, **S. M. Sievert**, A. C. Rosenzweig, G. Manning, D. A. Stahl. 2010. The *Nitrosopumilus*

- maritimus* genome reveals unique mechanisms for nitrification and autotrophy in globally distributed marine Archaea. Proceedings of the National Academy of Sciences of the USA 107:8818-8823.
26. Ehrhardt[#], C. J., R. M. Haymon, **S. M. Sievert**, P. A. Holden. 2009. An improved method for nanogold *in situ* hybridization visualized with environmental scanning electron microscopy. Journal of Microscopy 236:5-10.
 25. Voordeckers J. W., M. Do, M. Hügler, V. Ko, **S. M. Sievert**, C. Vetriani. 2008. Culture dependent and independent analyses of 16S rRNA and ATP citrate lyase genes: a comparison of microbial communities from different black smoker chimneys on the Mid-Atlantic Ridge. Extremophiles 12:627-640.
 24. **Sievert**[^] **S. M.**, K. M. Scott[^], M. Klotz, et al. 2008. The genome of epsilonproteobacterial chemolithoautotroph *Sulfurimonas denitrificans*. Applied and Environmental Microbiology 74:1145-1156.
 23. **Sievert**[^], **S.M.**, M. Hügler^{*}, C. O. Wirsen, C. D. Taylor. 2008. Sulfur oxidation at deep-sea hydrothermal vents. Pp 238-258 In "Microbial Sulfur Metabolism", C. Dahl & C. G. Friedrich (eds), Springer, Berlin, Germany. ISBN-13 978-3-540-72679-1.
 22. Kniemeyer O., F. Musat, **S. M. Sievert**, K. Knittel, H. Wilkes, M. Blumenberg, W. Michaelis, C. Bolm, S. B. Joye, F. Widdel. 2007. Anaerobic oxidation of propane and butane by novel marine sulphate-reducing bacteria. Nature 449:898-901.
 21. **Sievert**[^], **S. M.**, R. Kiene, H. Schulz. 2007. The sulfur cycle. The Oceanography Society June '07 special issue "A Sea of Microbes" edited by Lita Procter and David Karl.
 20. Tait^{*}, E., M. Carman, **S. M. Sievert**[^]. 2007. Phylogenetic diversity of bacteria associated with ascidians in Eel Pond (Woods Hole, Massachusetts, USA). Journal of Experimental Marine Biology and Ecology 342:138-146.
 19. Markert S., C. Arndt, H. Felbeck, R. A. Feldman, D. Becher, **S. M. Sievert**, M. Hügler, D. Albrecht, J. Robidart, S. Bench, M. Hecker, T. Schweder. 2007. Approaching the uncultivable endosymbiont of *Riftia pachyptila* by physiological proteomics. Science 315:247-250.
 18. Hügler^{*} M., H. Huber, S. J. Molyneaux, C. Vetriani, **S. M. Sievert**[^]. 2007. Autotrophic CO₂ fixation via the reductive tricarboxylic acid cycle in different lineages within the phylum *Aquificae*. Evidence for two ways of citrate cleavage. Environmental Microbiology 9:271-276.
 17. **Sievert**[^], **S. M.**, E. B. A. Wieringa, C. O. Wirsen, C. D. Taylor[^]. 2007. Growth and mechanism of filamentous-sulfur formation by *Candidatus Arcobacter sulfidicus* in opposing oxygen-sulfide gradients. Environmental Microbiology 9:81-92.
 16. Scott, K. M., **S. M. Sievert** et al. The genome of deep-sea vent chemolithoautotroph *Thiomicrospira crunogena* XCL-2. PLoS Biology, Vol. 4, No. 12, e383.
 15. Bach, W., K. E. Edwards, J. M. Hayes, J. A. Huber, **S. M. Sievert**, M. L. Sogin. 2006. Energy in the dark: Fuel for life in the deep ocean and beyond. EOS Transactions, American Geophysical Union, Vol. 87, No. 7.
 14. Tolli[#] J. D., **S. M. Sievert**, C. D. Taylor. 2006. Unexpected diversity of bacteria capable of carbon monoxide oxidation in a coastal marine environment, and contribution of the

- Roseobacter-associated clade to total CO oxidation. *Applied and Environmental Microbiology* 72:1966-1973.
13. Hügler* M., C. O. Wirsen, G. Fuchs, C. D. Taylor, **S. M. Sievert**[^]. 2005. Evidence for autotrophic CO₂ fixation via the reductive tricarboxylic acid cycle by members of the ϵ -subdivision of proteobacteria. *Journal of Bacteriology* 187: 3020-3027.
 12. Zemmelenk[#], H. J., L. Houghton, **S. M. Sievert**, N. M. Frew, J. W. H. Dacey. 2005. Dimethylsulphide, Dimethylsulphonioacetate, Dimethylsulphoxide, and bacteria in the sea-surface microlayer and subsurface water. *Marine Ecology Progress Series* 295:33-42.
 11. Simmons[#] S. L., **S. M. Sievert**, R. B. Frankel, D. A. Bazylinski, K. J. Edwards. 2004. Spatiotemporal distribution of marine magnetotactic bacteria in a seasonally stratified coastal salt pond. *Applied and Environmental Microbiology* 70: 6230-6239.
 10. Wirsen C. O., **S. M. Sievert**, C. M. Cavanaugh, S. J. Molyneaux, A. Ahmad, L. T. Taylor, E. F. DeLong, C. D. Taylor. 2002. Characterization of an autotrophic sulfide-oxidizing marine *Arcobacter* that produces filamentous sulfur. *Applied and Environmental Microbiology* 68:316-325.
 9. Kuever J., **S. M. Sievert**, H. Stevens, T. Brinkhoff, G. Muyzer. 2002. Microorganisms of the oxidative and reductive part of the sulphur cycle at a shallow-water hydrothermal vent in the Aegean Sea (Milos, Greece). *Cahiers de Biologie Marine* 43: 413-416.
 8. **Sievert**[^] **S. M.**, W. Ziebis, J. Kuever, and K. Sahn. 2000. Relative abundance of *Archaea* and *Bacteria* along a thermal gradient quantified by rRNA slot-blot hybridization at a shallow-water hydrothermal vent. *Microbiology* 146:1287-1293.
 7. **Sievert**, **S. M.**, T. Heidorn, J. Kuever. 2000. *Halothiobacillus kellyi* sp. nov., a mesophilic obligately chemolithoautotrophic sulfur-oxidizing bacterium isolated from a shallow-water hydrothermal vent in the Aegean Sea and emended description of the genus *Halothiobacillus*. *International Journal of Systematic and Evolutionary Microbiology* 50:1229-1237.
 6. **Sievert**, **S. M.**, J. Kuever. 2000. *Desulfacinum hydrothermale*, sp. nov., a thermophilic sulfate-reducing bacterium from geothermally heated sediments near Milos island (Greece). *International Journal of Systematic and Evolutionary Microbiology* 50:1239-1246.
 5. **Sievert** **S. M.**, J. Kuever, G. Muyzer. 2000. Identification and distribution of 16S rDNA-defined bacterial populations at a shallow submarine hydrothermal vent. *Applied and Environmental Microbiology* 66:3102-3109.
 4. Dando, P. R., S. Aliani, C. N. Bianchi, S. Cocito, S. W. Fowler, J. Gundersen, L. Hooper, R. Kölbl, J. Kuever, P. Linke, K. C. Makropoulos, R. Meloni, J.-C. Miquel, C. Morri, S. Müller, C. R. Robinson, H. Schlesner, **S. Sievert**, R. Stöhr, D. Stüben, M. Thomm, S. P. Varnavas, W. Ziebis. 2000. Hydrothermalism in the Aegean Sea. *Chemistry and Physics of the Earth, Part B* 25:1-8.
 3. **Sievert**, **S. M.**, T. Brinkhoff, G. Muyzer, W. Ziebis, and J. Kuever. 1999. Spatial heterogeneity of bacterial populations along an environmental gradient at a shallow submarine hydrothermal vent near Milos island (Greece). *Applied and Environmental Microbiology* 65:3834-3842.
 2. Brinkhoff, T., **S. M. Sievert**, J. Kuever, G. Muyzer. 1999. Distribution and diversity of sulfur-oxidizing *Thiomicrospira* spp. at a shallow-water hydrothermal vent in the Aegean Sea (Milos, Greece). *Applied and Environmental Microbiology* 65:3843-3849.

1. Böttcher, M. E., **S. M. Sievert**, J. Kuever. 1999. Fractionation of sulfur isotopes during dissimilatory reduction of sulfate by a thermophilic gram-negative bacterium at 60°C. *Archive of Microbiology* 172:125-128.