Shana K. Goffredi

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PROFESSIONAL APPOINTMENTS

OCCIDENTAL COLLEGE, LOS ANGELES, CA 2005-pres

Professor (2020-present)
Associate Professor (2014-2020)
Nominated for the Loftsgordon Memorial Award for Outstanding Teaching (2018/2019)
Assistant Professor (2009-2014)
Linda and Tod White Teaching Prize, Occidental College (2014)
Nominated for the Loftsgordon Memorial Award for Outstanding Teaching (2013)
Adjunct Professor (2005-2009)
Microbial symbiosis, environmental microbial diversity, general zoology

CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CA 2004-pres

Visiting Scientist (2008-present)
Senior Research Associate (2004-2008)
Marine symbiosis, molecular physiology, microbiology

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE, MOSS LANDING, CA 1998-pres

Adjunct Scientist (2016-present)
Research Associate / Project Manager (2000-2004)
Molecular ecology and evolution, symbiosis, larval biology
Postdoctoral Scholar in Environmental Science and Engineering (1998-2000)
Physiology and biochemistry of deep-sea bivalves

EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CA 1993-1998

Ph.D. Ecology, Evolution, and Marine Biology
Thesis: "Physiological functioning of the hydrothermal vent tubeworm *Riftia pachyptila*"

THE UNIVERSITY OF SAN DIEGO, CA 1989-1993

B.A. Biology/Marine Science
University of San Diego Presidential Scholarship

FUNDING AND AWARDS (SELECTED)

National Science Foundation, Biological Oceanography (OCE-2048481, $128,830)	2021
National Science Foundation, Integrative and Organismal Systems (IOS-1947309, $213,809)	2020
National Science Foundation, Major Research Instrumentation (DBI-MRI, $226,559)	2018
Faculty Enrichment Grant ($3,587)	2018
Kurata Faculty Award for Excellence ($5,670)	2016
Center for Environmental Microbiology Interactions (California Institute of Technology, $18,300)	2015
Faculty Enrichment Grant ($3,000)	2015
Faculty Enrichment Grant ($4,230)	2013
National Science Foundation, Major Research Instrumentation (MRI-1126893, $336,750)	2011
National Science Foundation, Integrative and Organismal Systems (IOS-0923775, $128,834)	2009
National Science Foundation, Major Research Instrumentation-R2 (MRI-0960254, $106,205)	2009
National Science Foundation, Microbial Interactions and Processes (MCB-0454860, $103,620)	2006
Davidow Endowment (California Institute of Technology, $32,000)	2005
Regents Fellowship (University of California, Santa Barbara)	1997
Best Paper Award for the Division of Comparative Physiology and Biochemistry (SICB)	1996
Best Student Research Project/Presentation in Biological Sciences -17th Annual West Coast URC	1992

PROFESSIONAL COMMUNICATIONS

Ocean Sciences annual meeting, San Diego, CA	2020
Gordon Conference on Animal-Bacterial Symbioses, Mt. Snow, VT (invited Discussion Leader)	2019
University of Costa Rica, Deep Regions Conference, Costa Rica	2018
15th Deep Sea Biology Symposium, Monterey, CA (Plenary speaker, Session Chair)	2018
17th International Symposium on Microbial Ecology, Leipzig, Germany	2018
Southern California Academy of Sciences, annual meeting, Los Angeles, CA	2018
98th Annual Meeting of the Western Society of Naturalists, Los Angeles, CA	2017
16th International Symposium on Microbial Ecology, Montreal, Canada	2016
Gordon Conference on Animal-Bacterial Symbioses, New Hampshire	2015
Southern California Academy of Sciences, annual meeting, Los Angeles, CA	2015
15th International Symposium on Microbial Ecology, Seoul, South Korea	2014
American Society for Microbiology, 114th General Meeting, Boston, MA	2014
14th International Symposium on Microbial Ecology, Copenhagen, Denmark	2012
American Society for Microbiology, 112th General Meeting	2012
Goldschmidt Conference of the European Association of Geochemistry, Prague, Czech Republic	2011
Gordon Conference on Applied and Environmental Microbiology, S. Hadley, MA	2011
13th International Symposium on Microbial Ecology, Seattle, WA	2010
6th International Symbiosis Society Congress, Madison, WI	2009
Gordon Conference on Applied and Environmental Microbiology, S. Hadley, MA	2009
12th International Symposium on Microbial Ecology, Cairns, Australia	2008
American Society for Microbiology, 107th General Meeting, Toronto, Canada	2007
3rd International Symposium on Hydrothermal Vent and Seep Biology, La Jolla, CA	2005
Society for Integrative and Comparative Biology, San Diego, CA	2005
The Next Generation of In Situ Sensors in the Ocean, Woods Hole, MA	2003
American Physiological Society, Annual Meeting, San Diego, CA	2002
2nd International Symposium on Deep Sea Hydrothermal Biology, San Diego, CA	2001
9th Annual Deep-Sea Biology Symposium, Galway, Ireland	2000
51st Annual Meeting of the American Institute of Biological Sciences, Chicago, IL	2000

INVITED PROFESSIONAL SEMINARS (SELECTED)

University of California Davis – Dept of Microbiology and Molecular Genetics	2021
University of Vienna, Austria – keynote, Establishing interactions in a dynamic environment	2020
Southern California Academy of Sciences Spotlight (https://youtu.be/mj-jxQdkGVs)	2020
International GeoBiology Symposium on Symbiosis, Pasadena, CA	2019
Scripps Institution of Oceanography, San Diego, CA	2019
University of Southern California, Los Angeles CA	2019
California State University, Fullerton, CA	2017
Marine Biological Laboratories – Microbial Diversity summer course, Woods Hole, MA	2015- 2017
Harvey Mudd College, CA	2017
University of Nevada, NV	2016
University of Costa Rica (Centro de Investigación en Ciencias del Mar y Limnología)	2013
Australian Institute of Marine Science, Australia	2013
University of Queensland, Australia	2013
University of Athens, GA	2012
University of Vienna, Austria	2012
University of Arizona, AZ	2009
Scripps Institution of Oceanography, CA	2008
Society for Industrial Microbiology	2005
Gordon Conference on Applied and Environmental Microbiology	2005
University of Southern California, CA	2004
Fourth International Symbiosis Society Congress (see *Science* 301:1467)	2003
Woods Hole Oceanographic Institution	2002

PROFESSIONAL SERVICE

International Advisory Board, Doctoral School of Symbioses (Univ. of Vienna) 2020
Panelist 'Out in the Classroom' and lightning research presentation 2019
Out to Innovate conference, run by the National Organization of Gay and Lesbian Scientists
Delegate for the Organization for Tropical Studies 2018-pres
Member, Board of Directors - Southern California Academy of Sciences 2016-pres
Panelist, Murdock Trust's Natural Sciences–Life Sciences Grants 2016-'20
Panelist 'Out and Accomplished' and Workshop leader 'Being LGBTQ in Academia' 2017
Out to Innovate conference, run by the National Organization of Gay and Lesbian Scientists
Associate Editor for *Frontiers in Microbial Symbiosis* 2013-'18
Advisor for a special session at the annual meeting of the American Society for Microbiology 2012
entitled *Microbiology Career Choices: What's Available and How to Succeed.*
Panelist and Moderator for *Out to Innovate*, a conference at Ohio State University, run by 2012
the National Organization of Gay and Lesbian Scientists and Technical Professionals
RIDGE Education and Outreach Advisory Committee 2000-'04
Monterey Bay Aquarium Research Institute – open house Biology coordinator 2000-'04
Monterey Bay Aquarium Research Institute – Staff Council 2000-'02
Peer reviewer for 20 journals in the fields of Marine Biology, Microbiology and general sciences ongoing
Peer reviewer for 3 funding agencies (NSF, NOAA, NASA) ongoing

PUBLIC AND K-12 OUTREACH (SELECTED)

Alaska Native Science & Engineering Program (high school students) - featured speaker 2021
Heal the Bay, Science Series – featured speaker (Earth Day / GAYpril event) 2021
ArtCenter College of Design – faculty affiliate for Illustration and Publishing course 2021
ArtCenter College of Design – guest lecture for SINC: Symbiosis In Nature & Community course 2020
Science Friday – National Public Radio (https://www.sciencefriday.com/segments/tube-worms-methane/) 2020
Inside Science – Newly Discovered Worms Use Bacteria To Digest Methane in the Deep Ocean 2020
https://www.insidescience.org/news/newly-discovered-feather-duster-worms-use-bacteria-digest-methane-deep-ocean
Neighborhood Partnership Program, participant (http://www.oxy.edu/neighborhood-partnership-program) 2019
Featured in *The New Yorker* (https://www.newyorker.com/science/elements/a-whales-afterlife) 2019
Schmidt Ocean Institute – 'Ship to Shore' classroom program 2018
Caltech Center for Diversity - STEMinar speaker series 2018
Girls in Ocean Sciences Teen Weekend - Ocean Institute (Dana Point, CA) 2018
Featured in the *LA Times* 2018
http://www.latimes.com/science/sciencenow/la-sci-monterey-canyon-extremophiles-20180420-story.html
Featured in *Scientific American* 2017
www.scientificamerican.com/article/bizarro-life-forms-inhabiting-deep-sea-vents-may-be-at-risk/
Featured in *Atlas Obscura* (http://www.atlasobscura.com/articles/whale-fall-carcass) 2017
GearUp LA - Neighborhood Partnership Program 2016
Canyon Oaks High School – Guest speaker on the human microbiome 2015
Featured in *Wired* Magazine (www.wired.com/2015/02/absurd-creature-of-the-week-scaly-foot-snail/) 2015
More MOSTe Workshop for middle school and high school girls of UR minorities in STEM 2015
Cabrillo Marine Aquarium -Young Scientist Symposium (panelist) 2015
Featured in *Women in Oceanography: A Decade Later* 2014
Cabrillo Marine Aquarium Discovery Series – featured speaker 2014
http://www.cabrillomarineaquarium.org/events-news/events-details.asp?id=1203
LA County Science Olympiad, Event Captain 2012
Ocean Institute (Dana Point, CA) – Girls in Science Conference 2007/2012
Aquarium of the Pacific – featured speaker for *Night Dives* program 2012
LA County Science Olympiad, Event Captain 2011
Newport Harbor Nautical Museum, "Alvin Experience" video 2010
California State University, Long Beach - Women and Careers Day 2006
Ocean Institute (Dana Point, CA) – exhibit on 'deep sea life' 2006
California State University, Monterey Bay - Young Women in Science – workshop leader 2002
Super Science – scholastic journal for 4^{th}-6^{th} graders – article on deep-sea biology 2000

SELECTED COLLEGE SERVICE

Academic Program & Calendar Subgroup – covid-19 response	2020
Member, Advisory Council	2019-pres
Queer/Trans Services Work Group	2018
Biology Area Coordinator, URC Summer Research Program	2018
Member, Search Committee for a new TT Analytical Chemistry position in Chemistry	2017
Chair, Search Committee for a new TT Marine Environmental position in Biology	2016
Member, Interim Dean's Search Committee	2016
Member, Dean's Tenure and Promotion Process Task Force	2016
Biology Area Coordinator, URC Summer Research Program	2016
Member, Advisory Council	2015-2018
Member, Institutional Biosafety Committee	2014-pres
Member, Intellectual Culture and Academic Climate Task Force	2013

Supervised independent research for 54 undergraduate students and 1 Master's student, 38 of whom were female, and 21 of whom were from underrepresented populations. 2012-pres

GENERAL INTEREST PUBLICATIONS

Goffredi, S.K. (accepted, following peer review) Deep-Sea Animal-Microbe Symbioses. In Vetriani, C. & Giovannelli, D. (eds). *Deep-Sea Microbiology*. Springer Nature

Goffredi, S.K. (2017) Deep-Sea Hospitality: The enigmatic worm that defies convention, in order to provide for it's internal symbionts. *The Biochemist*

REFEREED PUBLICATIONS

(**bold #**) indicates corresponding / lead author, (*) indicates Oxy undergraduates, (^) Oxy masters student

53. Goffredi, S.K., C. Motooka*, D.A. Fike, L.C. Gusmão, E. Tilic, G.W. Rouse, and E. Rodríguez (2021). Mixotrophic chemosynthesis in a deep-sea anemone from hydrothermal vents in the Pescadero Basin, Gulf of California. BMC Biol 19, 8 (2021). doi.org/10.1186/s12915-020-00921-1. See also Behind the Paper (https://go.nature.com/3lZUAUy).

52. Brzechffa*, C. and **S.K. Goffredi** (2021). Contrasting Influences on Bacterial Symbiont Specificity by Co-Occurring Deep-Sea Mussels and Tubeworms. Environmental Microbiology Reports. 13(2): 104-111. DOI: 10.1111/1758-2229.12909.

51. Goffredi, **S.K.,** E. Tilic, S.W. Mullin, K.S. Dawson, A. Keller, R.W. Lee, F. Wu, L.A. Levin, G.W. Rouse, E.E. Cordes, V.J. Orphan (2020). Methanotrophic bacterial symbionts fuel dense populations of deep-sea feather duster worms (Sabellida, Annelida) and extend the spatial influence of methane seepage. Science Advances 6:14, eaay8562

50. Appy, R.G., S. Goffredi, B. Pernet and C. Latino. (2019). Experimental transmission of Rhinebothrium urobatidium (Cestoda: Rhinebothriidea) from the round stingray (Urobatis halleri: Myliobatiformes) to first and second intermediate hosts. Bull. Southern California Acad. Sci. 118 (3) 1-19. https://doi.org/10.3160/0038-3872-118.3.139

49. Michel‡, A.J., Ward‡, L.E., Goffredi, S.K., Dawson, K.S., Baldassarre, D.T., Brenner, A., Gotanda, K.M., McCormack, J.E., Mullin, S., O'Neill, A., Tender, G., Uy, A.C., Yu, K., Orphan, V.J., and Chavez, J.A. (2018). The Gut of the Finch: Uniqueness of the gut microbiome of the Galápagos vampire finch. Microbiome 6:167 (doi.org/10.1186/s40168-018-0555-8). ‡co-1st authors.

48. Blankenchip, C.L.*, Michels, D.E.*, Braker, E.N., and **S.K. Goffredi** (2018) Diet breadth and exploitation of exotic plants shift the core microbiome of Cephaloleia, a group of tropical herbivorous beetles. Peer J 6:e4793. https://doi.org/10.7717/peerj.4793.

47. Otero-Bravo, A., S.K. Goffredi, Z. Sabree, (2018) Cladogenesis and Genomic Streamlining in Extracellular Endosymbionts of Tropical Stinkbugs. *Genome Biology and Evolution.* 10(2): 680–693. doi.org/10.1093/gbe/evy033.

46. Rouse, G, S.K. Goffredi, S.J. Johnson, R.C. Vrijenhoek. (2018.) An inordinate fondness for *Osedax*

(Siboglinidae: Annelida): Fourteen new species of bone worms from California. *Zootaxa*. 4377 (4): 451-489.

45. Goffredi, S.K., S. Johnson, V. Tunnicliffe, D. Caress, D. Clague, E. Escobar, L. Lundsten, J.B. Paduan, G. Rouse, D.L. Salcedo, L.A. Soto, R. Spelz-Madero, R. Zierenberg, R. Vrijenhoek (2017). Hydrothermal vent fields discovered in the Gulf of California reveal the role of habitat in augmenting regional diversity. *Proc Royal Society B.* 284: 20170817. http://dx.doi.org/10.1098/rspb.2017.0817.

44. Aronson, H.S.*, A.J. Zellmer, **Goffredi, S.K**. (2017). The specific and exclusive microbiome of the deep-sea bone-eating snail, *Rubyspira osteovora*. *FEMS Microbiology Ecology.* 93(3): fiw250

43. Pasulka, A.L., S.K. Goffredi, P.L. Tavormina, K.S. Dawson, L.A. Levin, G.W. Rouse, V. J. Orphan. (2017). Colonial tube-dwelling ciliates influence methane cycling and microbial diversity within methane seep ecosystems. *Frontiers in Marine Science - Aquatic Microbiology.* 3:276. doi: 10.3389/fmars.2016.00276.

42. Klann, J.*, A. McHenry*. C. Montelongo*, **Goffredi, S.K**, (2016). Decomposition of plant-sourced carbon compounds by heterotrophic Betaproteobacteria isolated from the tank of a tropical Costa Rican bromeliad. *MicrobiologyOpen.* doi:10.1002/mbo3.344.

41. Goffredi, S.K., G. Jang*, M. Haroom. (2015) Transcriptomics in the tropics: Total RNA-based profiling of Costa Rican bromeliad-associated communities. *Computational and Structural Biotechnology Journal.* 13: 18-23.

40. Rahman, N.A., D.H. Parks, D.L. Willner, A.L. Engelbrektson, S.K. Goffredi, F. Warnecke, R.H. Scheffrahn, P. Hugenholtz. (2015). A molecular survey of Australian and North American termite genera indicates that co-evolution is the primary force shaping termite gut microbiomes. *Microbiome*. *3*:5 doi:10.1186/s40168-015-0067-8

39. Goffredi, S.K, H. Yi, Q. Zhang, J. Klann*, I. Struve*, R.C. Virjenhoek, C. Brown. (2014). Genomic versatility and functional variation between two dominant heterotrophic symbionts of deep-sea *Osedax* worms. *The ISME Journal.* 8: 908-924.

38. Ferguson, M A, ME Núñez, H-J Kim, S.K. Goffredi, E Shamskhou, L Faudree, E Chang, R M Landry, A Choi, N Thomas, J Schmitt, E M Spain. (2014) Spatially organized films from *Bdellovibrio bacteriovorus* prey lysates. *Applied and Environmental Microbiology*. 80(23): 7405–7414.

37. Bistolas, K.I.S.*, R. Sakamoto*, J.A.M. Fernandes, **Goffredi, S.K**. (2014). Symbiont polyphyly, co-evolution, and necessity in pentatomid stinkbugs from Costa Rica*. Frontiers in Microbiology.* 5:349 doi: 10.3389/fmicb.2014.00349

36. Larson, H.K., Goffredi, S.K., Parra, E.L., Vargas, O., Pinto, A., McGlynn, T.P. (2014). Distribution and dietary regulation of an associated facultative Rhizobiales-related bacterium in the omnivorous Giant Tropical Ant, *Paraponera clavata*. *Naturwissenschaften*. 101(5): 397-406.

35. Goffredi, S.K, W.J. Jones, A. Gregory*, N. Morella*, R. Sakamoto*. (2014). Ontogenetic variation in epibiont community structure in the deep-sea yeti crab, *Kiwa hirsuta*: Convergence among crustaceans*. Molecular Ecology.* 23:1457-1472.

34. Goffredi S.K., N. Morella*, M. Pulcrano*. (2012). Affiliations between bacteria and marine fish leeches (Piscicolidae), with emphasis on a new deep-sea species from Monterey Canyon, CA. *Environmental Microbiology.* 14:2429-2444.

33. Levin LA, Orphan VJ, Rouse GW, Rathburn AE, Ussler W III, Cook GS, Goffredi S.K., et al. (2012). A hydrothermal seep on the Costa Rica margin: middle ground in a continuum of reducing ecosystems. *Proc. R. Soc. B.* 279: 2580-2588.

32. Martin^, A.M. and **S.K. Goffredi.** (2012). *"Pliocardia" krylovata*, a new species of vesicomyid clam from cold seeps along the Costa Rica Margin. *Journal of the Marine Biological Association UK.* 92:1127-1137.

31. Goffredi S.K., G. Jang*, W. T. Woodside* and W. Ussler III. (2011). Bromeliad catchments as habitats for methanogenesis in tropical rainforest canopies. *Frontiers in Microbiology.* **2**:256. doi: 10.3389/fmicb.2011.00256.

30. Martin^, A.M. G. M. Martin, R. Butler, and **S.K. Goffredi.** (2011). Synthesis of keyhole limpet hemocyanin by the rhogocytes of *Megathura crenulata*. *Invertebrate Biology.* 130: 302-312.

29. Rouse, G.W., S.K. Goffredi, S. B. Johnson, and R. C. Vrijenhoek (2011) Not whale-fall specialists, *Osedax* worms also consume fishbones. *Biol. Lett.* 7:736-739.

28. Goffredi S.K., A.H. Kantor*, W.T. Woodside* (2011). Aquatic microbial habitats within a neotropical rainforest: bromeliads and pH-associated trends in bacterial diversity. *Microbial Ecology*, 61: 529-542.

27. Goffredi S.K. (2010). Indigenous ectosymbiotic bacteria associated with diverse hydrothermal vent invertebrates. *Environ. Microbiol. Reports.* 2: 479-488.

26. Goffredi S.K., V. J. Orphan. (2010). Bacterial community shifts in taxa and diversity in response to localized organic loading in the deep sea. *Environ. Microbiol.* 12: 344-363.

25. Rouse, G. W., N. G. Wilson, S.K. Goffredi, S. B. Johnson, T. Smart, C. Widmer, C. M. Young and R. C. Vrijenhoek (2009) Spawning and development in *Osedax* boneworms. *Marine Biology* 156: 395-405.
24. Goffredi S.K., W. J. Jones, H. Erhlich, A. Springer, R. C. Vrijenhoek. (2008). Epibiotic bacteria associated with the recently discovered Yeti crab, *Kiwa hirsuta. Environ. Microbiol.* 10: 2623-2634.
23. Pernthaler, A., A. E. Dekas, C. Titus Brown, S.K. Goffredi, T. Embaye, and V. J. Orphan (2008). Diverse syntrophic partnerships from deep-sea methane vents revealed by direct cell capture and metagenomics. *Proc. Natl. Acad. Sci.* 105: 7052-7057.
22. Goffredi S.K., R. Wilpiszeski, R. W. Lee, V. J. Orphan. (2008). Temporal evolution of methane cycling and phylogenetic diversity of archaea in sediments from a deep-sea whale fall in Monterey Canyon (CA). *Inter. Soc. Microbial Ecol. Journal.* 2: 204-220.
21. Ciche T. and Goffredi S.K. (2007). General Methods to Investigate Microbial Symbioses. *In:* Reddy, C. A. (ed) Methods for General and Molecular Microbiology,3rd ed. ASM Press. Washington, D.C. pp 394-420.
20. Goffredi S.K., Johnson S. and Vrijenhoek R.C. (2007). Genetic and functional diversity of microbial symbionts associated with new species of *Osedax* polychaete worms. *Applied and Environmental Microbiology.* 73: 2314-2323.
19. Osborn K.J., Rouse G.W., Goffredi S.K., and Robison B.H. (2007). Description and relationships of *Chaetopterus pugaporcinus*, an unusual pelagic polychaete (Annelida, Chaetopteridae) *Biological Bulletin* 212:40-54.
18. Goffredi S.K., Jones W.J., Scholin C.A., Marin R., and Vrijenhoek R.C. (2006). Molecular detection of marine invertebrate larvae. *Marine Biotechnology.* 1: 1-12.
17. Goffredi S.K., Orphan V.J., Rouse G.W., Jahnke L., Embaye T., Turk K., Lee R. and Vrijenhoek R.C. (2005). Evolutionary innovation: A bone-eating marine symbiosis. *Environmental Microbiology.*7: 1369-1378.
16. Seibel, B.A., S.K. Goffredi, J.J. Childress, E.V. Thuesen, R. Sherlock, and B.H. Robison. (2004). Ammonium content and buoyancy in midwater cephalopods. *Journal of Experimental Marine Biology and Ecology.* 313:375-387.
15. Rouse G.W.*, **Goffredi S.K.*** and Vrijenhoek R.C. (2004). *Osedax*: bone-eating marine worms with dwarf males. *Science.* 305:668-671. (***co-1st authors).**
14. Goffredi S.K., Hurtado L.A., Paull C., and Vrijenhoek R.C. (2004). Unusual benthic fauna associated with a whale fall in Monterey Canyon, CA. *Deep Sea Research I.* 51:1295-1306.
13. Goffredi S.K., Warén A., Orphan V., Van Dover C.L. and Vrijenhoek R.C. (2004). Novel forms of structural integration between microbes and a vent gastropod from the Indian Ocean. *Applied and Environmental Microbiology* 70:3082-3090.
12. Goffredi S.K., Barry J.P., and Buck K.R. (2004). Vesicomyid symbioses from Monterey Bay (Central California) cold seeps. *Symbiosis* 36:1-27.
11. Warén A., Bengtson S., Goffredi S.K. and Van Dover C.L. (2003). A hydrothermal-vent gastropod with iron sulfide biomineralized dermal sclerites. *Science* 302: 1007.
10. Goffredi S.K., Hurtado L.A., Hallam S., and Vrijenhoek R.C. (2003). Evolutionary relationships of deep-sea vent and cold seep clams (Mollusca: Vesicomyidae) of the '*pacifica/lepta*' species complex. *Marine Biology* 142:311-320.
9. Drazen J.C., Goffredi S.K., Schlining B. and D.S. Stakes. (2003). Aggregations of egg brooding deep-sea fish and cephalopods on the Gorda Escarpment: a reproductive hotspot? *Biological Bulletin* 205:1-7.
8. Orphan V.O., Goffredi S.K., Boles, J.R. and Delong E. (2003). Geochemical influence on diversity and microbial processes in high temperature petroleum reservoirs. *Geomicrobiology Journal* 20:1-17.
7. Goffredi S.K. and Barry J.P. (2002). Species-specific variation in sulfide physiology between closely related Vesicomyid clams. *Marine Ecology Progress Series* 225:227-238.
6. Goffredi S.K., and Childress J.J. (2001). Activity and inhibitor sensitivity of ATPases in the hydrothermal vent tubeworm *Riftia pachyptila*. *Marine Biology* 138:259-265.
5. Pasteris J., Freeman J. Goffredi S., and Buck K. (2001). Raman spectroscopic and laser scanning confocal microscopic analysis of sulfur in living sulfur-precipitating marine bacteria. *Chemical Geology* 180:3-18.
4. Goffredi S.K., Childress J.J., Girguis P.R., and Desaulniers N.T. (1999). The physiological functioning of carbonic anhydrase in the hydrothermal vent tubeworm *Riftia pachyptila*. *Biological Bulletin* 196:257-264.

3. Goffredi S.K., Childress J.J., Lallier F.H., and Desaulniers N.T. (1999). The ionic composition of the hydrothermal vent tubeworm *Riftia pachyptila*: Evidence for the elimination of SO_4^{2-} and H^+ and for a Cl^-/HCO_3^- shift. *Physiological and Biochemical Zoology* 72:296-306.

2. Goffredi S.K., Childress J.J., Desaulniers N.T., and Lallier F.H. (1997). Sulfide acquisition by the vent worm *Riftia pachyptila* appears to be via uptake of HS^-, rather than H_2S. *Journal of Experimental Biology* 200:2609–2616.

1. Goffredi S.K., Childress J.J., Desaulniers N.T., Lee R.W., Lallier F.H., and Hammond D. (1997). Inorganic carbon acquisition by the hydrothermal vent tubeworm *Riftia pachyptila* depends upon high external PCO_2 and upon proton elimination by the worm. *Journal of Experimental Biology* 200:883–896.