

Summary of Independently Published Articles on Solwara 1

Report Title	Citation
A biological survey method applied to Seafloor Massive Sulphides with contiguously distributed hydrothermal vent fauna	Collins P.C., Kennedy R., Van Dover C.L. (2012) A biological survey method applied to seafloor massive sulphides (SMS) with contagiously distributed hydrothermal-vent fauna, <i>Marine Ecology Progress Series</i> , vol. 452, pp. 89-107.
Application of biological studies to deep-sea governance and management of deep-sea resources	Van Dover, C. L., Arnaud-Haond, S., Clark M., Smith, S., Thaler, A. D., Van den Hove, S. (2011) Application of biological studies to deep-sea governance and management of deep-sea resources. <u>Biological Sampling in the Deep Sea</u> , Wiley-Blackwell Publishing, 488pp.
Biogeography Ecology and Vulnerability of Chemosynthetic Ecosystems in the Deep Sea	Baker, M. C., Ramirez-Llodra, E. Z., Tyler, P. A., German, C. R., Boetius, A., Cordes, E., E., Dubilier, N., Fisher, C., R., Levin, L., A., Metaxas, A., Rowden, A. A., Santos, R. S., Shank, T. M., Van Dover, C. L., Young, C. M., Waren, A. (2010). Biogeography, Ecology and Vulnerability of Chemosynthetic Ecosystems in the Deep Sea, <u>Life in the World's Oceans: Diversity, Distribution, and Abundance</u> , McIntyre, A. D. (Ed), Chapter 9, pp. 161-182, Blackwell Publishing Limited.
Bone-eating marine worms- habitat specialists or generalists?	Vrijenhoek, R. C., Collins, P, and Van Dover, C. L. (2008). Bone-eating worms: habitat specialists or generalists? <i>Proceedings of the Royal Society</i> , doi:10.1098/3sbp.2008.0350.
Characterisation of 9 polymorphic microsatellite loci in <i>Chorocaris</i> sp. (Crustacea, Caridea, Alvinocarididae) from deep-sea hydrothermal vents	Zelnio, K. Z., Thaler, A D., Jones, R. E., Saleu, W., Schultz, T. F., Van Dover, C. L., Carlsson, J. (2010). Characterisation of nine polymorphic microsatellite loci in <i>Chorocaris</i> sp. (Crustacea, Caridea, Alvinocarididae) from deep-sea hydrothermal vents, <i>Conservation Genetic Resources</i> , vol 2, no. 1, pp. 223-226.
Characterization of 10 polymorphic microsatellite loci in <i>Munidopsis lauensis</i>, a squat-lobster from the southwestern Pacific	Boyle, E. A., Thaler, A. D., Jacobson, A., Plouviez, S., Van Dover, C. L. (2013). Characterization of 10 polymorphic microsatellite loci in <i>Munidopsis lauensis</i> , a squat-lobster from the southwestern Pacific, <i>Conservation Genetic Resources</i> , vol. 4, no. 4, doi 10.1007/s12686-013-9872-1.
Characterization of 12 polymorphic microsatellite loci in <i>Ifremeria</i>	Thaler, A. D., Zelnio, K. A, Jones, R. E., Carlsson, J., Van Dover, C. L., Schultz, T. F. (2010). Characterization of 12 polymorphic microsatellite loci in <i>Ifremeria nautilei</i> , a chemoautotrophic gastropod from deep-sea hydrothermal vents. <i>Conservation Genetic Resources</i> , vol. 2, pp. 101-103.
Characterization of 18 polymorphic microsatellite loci from the deep-sea hydrothermal vent mussel <i>Bathymodiolus manusensis</i>	Schultz., T., F., Hsing, P., Eng, A., Zelnio, K., A., Thaler, A. D., Carlsson, J., Van Dover, C. L. (2010). Characterization of 18 polymorphic microsatellite loci from <i>Bathymodiolus manusensis</i> (Bivalvia, Mytilidae) from deep-sea hydrothermal vents, <i>Conservation Genetic Resources</i> , vol. 3, no. 1, pp. 25-27.

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Characterization of host-symbiont relationships in hydrothermal vent gastropods of the genus <i>Alviniconcha</i> from the Southwest Pacific	Suzuki, Y., Kojima, S., Sasaki, T., Suzuki, M., Utsumi, T., Watanabe, H., Urakawa, H., Tsuchida, S., Nunoura, T., Hirayama, H., Takai, K., Neelson, K. H., Horikoshi, K. (2006). Host-symbiont relationships in hydrothermal vent gastropods of the genus <i>Alviniconcha</i> from the southwest Pacific, <i>Applied and Environmental Microbiology</i> , vol. 72, no. 2, pp. 1388-1393.
Macrobenthos community structure and trophic relationships within active and inactive Pacific hydrothermal sediments	Levin, L. A., Mendoza, G. F., Konotchick, T., and Lee, R. (2009). Macrobenthos community structure and trophic relationships within active and inactive Pacific hydrothermal sediments, <i>Journal of Deep Sea Research II</i> , doi: 10.1016/j.dsr2.2009.05.010.
Comparative population genetics of two hydrothermal-vent-endemic species, <i>Chorocaris</i> spp. and <i>Olgasolaris tollmanni</i> from southwest Pacific back arc basins	Thaler, A., Plouviez, S., Zelnio, K. A., Jacobson, A., Jollivet, D., Carlsson, J., Schultz, T., Van Dover, C. L. (2012). Comparative population genetics of two hydrothermal-vent-endemic species, <i>Chorocaris</i> spp. and <i>Olgasolaris tollmanni</i> from southwest Pacific back arc basins, Poster from 13 th International Deep-Sea Biology Symposium.
Designating networks of chemosynthetic ecosystem reserves in the deep sea	Van Dover, C. L., Smith, C. R., Ardron, J., Dunn, D., Gjerde, K., Levin, S., Smith, S. (2011). Designating networks of chemosynthetic ecosystem reserves in the deep sea, <i>Marine Policy</i> , vol. 36, pp. 378-381.
Distribution and Sources of Trace Metals in Volcaniclastic Sediments of the SuSu Knolls Hydrothermal Field, Manus Basin, Papua New Guinea	Hrischeva, E. H., and S. D. Scott. (2007). Distribution and Sources of Trace Metals in Volcaniclastic Sediments of the SuSu Knolls Hydrothermal Field, Eastern Manus Basin, Papua New Guinea. <i>American Geophysical Union Fall Meeting Abstracts</i> , vol. 1, p. 0750.
Host-Symbiont Relationships in Hydrothermal Vent Gastropods of the Genus <i>Alviniconcha</i> from the Southwest Pacific	Suzuki, Y., Kojima, S., Sasaki, T., Suzuki, M., Utsumi, T., Watanabe, H., Urakawa, H., Tsuchida, S., Nunoura, T., Hirayama, H., Takai, K., Neelson, K. H., and Horikoshi, K. (2006). Host-Symbiont Relationships in Hydrothermal Vent Gastropods of the Genus <i>Alviniconcha</i> from the Southwest Pacific, <i>Applied and Environmental Microbiology</i> , vol. 72., no. 2, pp. 1388-1393.
Evidence for a chemoautotrophically based food web at inactive hydrothermal vents	Erikson, K. L., Macko, S. A. and Van Dover, C. L. (2009) Evidence for a chemoautotrophically based food web at inactive hydrothermal vents (Manus Basin), <i>Deep Sea Research II</i> , vol. 56, pp. 1577-1585.
Evolution of the Metallothionein gene family in bathymodiolin mussels	Hsing, P., Carlsson, J., Jones, R., Sobel, A., Thaler, A., Van Dover, C. L., Schultz, T. (2014). Evolution of the <i>Metallothionein</i> gene family in bathymodiolin mussels, Poster for <i>VentBase Workshop</i> , Wellington, 2014.
Facilitating fine-scale population genetic studies at Manus Basin hydrothermal fields	Carlsson, J., Jones, R., Schultz, T., Sobel, A., Thaler, A., Zelnio, K., Van Dover, C. L. (2014). Facilitating fine-scale population genetic studies at Manus Basin hydrothermal vent fields, Post for <i>VentBase Workshop</i> , Wellington, 2014.
Food Web Structure at Manus Basin Hydrothermal Vents	Honig, D. L., Hsing, P., Jones, R., Schultz, T., Sobel, A., Thaler, A., Van Dover, C. L. (2008). <i>American Geophysical Union Fall Meeting Abstracts</i> , no. 12.

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Comparative Population Structure of Two Deep-Sea Hydrothermal-Vent-Associated Decapods (<i>Chorocaris</i> sp. 2 and <i>Munidopsis lauensis</i>) from Southwestern Pacific Back-Arc Basins	Thaler, A. D., Plouviez, S., Saleu, W, Alej, F, Jacobson, A., Boyle, E. A, Schultz, T. F., Carlson, J., Van Dover, C. L. (2014). Comparative Population Structure of Two Deep-Sea Hydrothermal-Vent-Associated Decapods (<i>Chorocaris</i> sp. 2 and <i>Munidopsis lauensis</i>) from Southwestern Pacific Back-Arc Basins, <i>PLOS ONE</i> , vol. 9, no. 7, e101345.
A biogeographical perspective of the deep-sea hydrothermal vent fauna	Tunnicliffe, V., McArthur, A. G., and McHugh, D. (1998). A biogeographical perspective of the deep-sea hydrothermal vent fauna, <i>Advances in Marine Biology</i> , vol. 34, pp. 354-442.
Genetic differentiation of populations of a hydrothermal vent-endemic gastropod, <i>Ifremeria nautilei</i>, between the North Fiji Basin and the Manus Basin revealed by nucleotide sequences of mitochondrial DNA	Kojima, S., Segawa, R., Fujiwara, Y., Hashimoto, J., Ohta, S. (2000). Genetic differentiation of populations of a hydrothermal vent-endemic gastropod, <i>Ifremeria nautilei</i> , between the North Fiji Basin and the Manus Basin revealed by nucleotide sequences of mitochondrial DNA, <i>Zoological Science</i> , vol. 17, pp. 1167-1174.
The SuSu Knolls hydrothermal field, Eastern Manus Basin, Papua New Guinea: An active submarine high sulfidation copper-gold system	Yeats, C. J., Parr, J. M., Binns, R. A., Gemmell, J. B., Scott, S. D. (2014). The SuSu Knolls hydrothermal field, Eastern Manus Basin, Papua New Guinea: An active submarine high sulfidation copper-gold system, <i>Economic Geology</i> , vol. 109, pp. 2207-2226.
Habitats of the Su Su Knolls hydrothermal site	Beaudoin, Y. and Smith, S. (2010). Habitats of the SuSu Knolls hydrothermal site. In Harris, P. T. And Baker, E. K. (eds). (2010). <u>Seafloor Geomorphology as Benthic Habitat: GeoHAB Atlas of Seafloor Geomorphic Features and Benthic Habitats</u> , Elsevier.
Hydrothermal Input into Volcaniclastic Sediments of the SuSu Knolls Hydrothermal Field	Hrischeva, E. H., Scott, S. D. (2005). Hydrothermal input into volcaniclastic sediments of the SuSu Knolls hydrothermal field, Eastern Manus Basin, Bismarck Sea, Papua New Guinea, <i>American Geophysical Union Spring Meeting Abstracts</i> , no. V52A-06.
Metalliferous sediments associated with presently forming volcanogenic massive sulfides	Hrischeva, E., Scott, S. D., Weston, R. (2007). Metalliferous sediments associated with presently forming volcanogenic massive sulphides: the SuSu Knolls hydrothermal field, Eastern Manus Basin, Papua New Guinea, <i>Economic Geology</i> , vol. 102, pp. 55-73.
Mining seafloor massive sulphides and biodiversity – what is at risk	Van Dover, C. L. (2010). Mining seafloor massive sulphides and biodiversity: what is at risk?, <i>ICES Journal of Marine Science</i> ; doi:10.1093/icejms/fsq086.
Molecular phylogenetic analysis of a known and a new hydrothermal vent octopod: their relationship with the genus <i>Benthoctopus</i> (Cephalopoda: Octopodidae)	Strugnell, J., Voight, J. R., Collins, P. C., Allcock, A. L. (2009). Molecular phylogenetic analysis of a known and a new hydrothermal vent octopod: their relationship with the genus <i>Benthoctopus</i> (Cephalopoda: Octopodidae), <i>Zootaxa</i> , vol. 2096, pp. 442-459.
Molecular taxonomy and naming of five cryptic species of <i>Alviniconcha</i> snails (Gastropoda: Abyssochrysidae) from hydrothermal vents	Johnson, S. B., Waren, A., Tunnicliffe, V., Van Dover, C. L., Wheat, C. G., Schultz, T. F., Vrijenhoek, R. C. (2015). Molecular taxonomy and naming of five cryptic species of <i>Alviniconcha</i> snails (Gastropoda: Abyssochrysidae) from hydrothermal vents, <i>Systematics and Biodiversity</i> , vol. 13, no. 3, pp. 278-295.

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Population Genetics of Species Associated with Deep-Sea Hydrothermal Vents in the Western Pacific	Thaler, A. D. (2012). <i>Population Genetics of Species Associated with Deep-sea Hydrothermal Vents in the Western Pacific</i> , Doctoral dissertation, Duke University.
The spatial scale of genetic subdivision in populations of <i>Ifremeria nautilei</i>, a hydrothermal-vent gastropod from the southwest Pacific	Thaler, A. D., Zelnio, K., Saleu, W., Schultz, T. F., Carlsson, J., Cunningham, C., Vrijenhoek, R. C., Van Dover, C. L. (2011). The spatial scale of genetic subdivision in populations of <i>Ifremeria nautilei</i> , a hydrothermal-vent gastropod from the southwest Pacific, <i>BCM Evolutionary Biology</i> , vol. 11, no. 372.
Two species of caridean shrimps (Decapoda: Hippolytidae and Nematocarinidae) newly recorded from the Manus Basin, southwestern Pacific	Komai, T., Collins, P. (2009). Two species of caridean shrimps (Decapoda: Hippolytidae and Nematocarinidae) newly recorded from the Manus Basin, southwestern Pacific, <i>Crustacean Research</i> , no. 38, pp. 28-41.
Ecological restoration in the deep sea: Desiderata	Van Dover, C. L., Aronson, J., Pendleton, L., Smith, S., Arnaud-Haond, S., Moreno-Mateos, D., Barberi, E., Billett, D., Bowers, K., Danovaro, R., Edwards, A., Kellert, S., Morato, T., Pollard, E., Rogers, A., Warner, R. (2014). Ecological restoration in the deep sea: Desiderata, <i>Marine Policy</i> , vol. 44, pp. 98-106.
Tighten regulations on deep-sea mining	Van Dover, C. L. (2011). Tighten regulations on deep-sea mining, <i>Nature</i> , vol. 470, pp. 31-33.
Genetic diversity and connectivity of deep-sea hydrothermal vent metapopulations	Vrijenhoek, R. C. (2010). Genetic diversity and connectivity of deep-sea hydrothermal vent metapopulations, <i>Molecular Ecology</i> , vol. 19, pp. 4391-4411.