

LAUREN S. MULLINEAUX, PUBLICATIONS

- 2008 Jennings, R.M., T. M. Shank, L. S. Mullineaux, and K. M. Halanych. Assessment of the Cape Cod phylogeographic break using the bamboo worm *Clymenella torquata* (Annelida: Maldanidae). *Molecular Ecology* (in press, *J. Heredity*)
- 2008 Strasser, C.A., L.S. Mullineaux and B.D. Walther. Growth rate and ontogeny effects on *Mya arenaria* shell chemistry: implications for biogeochemical studies. *JEMBE*, in press
- 2008 Adams, D.K. and L.S. Mullineaux. Gastropod larval flux to hydrothermal vents influenced by spatial and temporal variability in currents on small scales. *Limnology and Oceanography* (in press)
- 2008 Strasser, C.A., L. S. Mullineaux, S. R. Thorrold. Temperature and salinity effects on elemental uptake in the shells of larval and juvenile softshell clams (*Mya arenaria*). *MEPS*, in press
- 2007 Strasser, C.A., S.R. Thorrold, V.R. Starczak, and L.S. Mullineaux. Laser ablation ICP-MS analysis of larval shell in softshell clams (*Mya arenaria*) poses challenges for natural tag studies. *Limnology and Oceanography Methods* 5: 241-249
- 2007 Fuchs, H., M. Neubert and L.S. Mullineaux. Effects of turbulence-mediated larval behavior on larval supply and settlement in tidal currents. *Limnol Oceanogr* 52:1156-1165
- 2007 Mills, S.W., L.S. Mullineaux and P.A. Tyler. Habitat associations in gastropod species at East Pacific Rise hydrothermal vents (9°50'N). *Biological Bulletin* 212: 185-194
- 2006 Neubert, M., L.S. Mullineaux and M.F. Hill. A metapopulation approach to interpreting diversity at deep-sea hydrothermal vents. In 'Marine Metapopulations', J. Kritzer and P. Sale, eds., Elsevier Academic Press, pp. 321-350.
- 2005 Pradillon, F., M. Zbinden, L.S. Mullineaux and F. Gaill. Effects of patch dynamics on size-structure and reproductive maturity of *Alvinella pompejana* (Polychaeta: Alvinellidae) populations. *Marine Ecology Progress Series* 302:147-157
- 2005 Mullineaux, L.S., S.W. Mills, A. K. Sweetman, A.H. Beaudreau, A. Metaxas, H.L. Hunt. Spatial structure and temporal variation in larval abundance at hydrothermal vents on the East Pacific Rise. *Marine Ecology Progress Series* 293:1-16
- 2005 Sancho, G., Fisher, C.R., Mills, S. Micheli, F., Johnson, G.A., Lenihan, H.S., Peterson, C.H and Mullineaux, L.S. Selective predation by the zoarcid fish

- Thermarces cerberus* at hydrothermal vents. *Deep-Sea Research* 152: 837-844
- 2004 Fuchs, H.L., L. S. Mullineaux, and A. R. Solow. Sinking behavior of gastropod larvae (*Ilyanassa obsoleta*) in turbulence. *Limnology and Oceanography* 49: 1937-1948
- 2004 Hunt, H.L., A. Metaxas, R.M. Jennings, K.Halanych and L.S. Mullineaux. Testing biological control of colonization by vestimentiferan tubeworms at deep-sea hydrothermal vents (East Pacific Rise, 9°50'N). *Deep-Sea Research* 51: 225-234
- 2003 Mullineaux, L.S., C.H. Peterson, F. Micheli and S.W. Mills. Successional mechanism varies along a gradient in hydrothermal fluid flux at deep-sea vents. *Ecological Monographs* 73: 523-542.
- 2002 Mullineaux, L.S., K.G. Speer, A.M. Thurnherr, M.E. Maltrud, A. Vangriesheim. Implications of cross-axis flow for larval dispersal along mid-ocean ridges. *Cahiers de Biologie Marine* 43: 281-284.
- 2002 Hunt, H.L., D.A. McLean and L.S. Mullineaux. Alteration of spatial settlement patterns of the soft shell clam *Mya arenaria* by post-settlement events. *Estuaries* 26: 72-81.
- 2002 Podar, M, Mullineaux, L.S., Huang, H.-R., Perlman, P.S. and Sogin, M.L. Bacterial group II introns in a deep sea hydrothermal vent environment. *Applied and Environmental Microbiology* 68:6392-6398.
- 2002 Hunt, H.L. and L.S. Mullineaux. The roles of predation and postlarval transport in recruitment of the soft shell clam *Mya arenaria*. *Limnology & Oceanography* 47:151-164.
- 2002 Micheli, F., C.H. Peterson, L.S. Mullineaux, C. Fisher, S.W. Mills, G. Sancho, G.A. Johnson and H.S. Lenihan. Predation structures communities at deep-sea hydrothermal vents. *Ecological Monographs* 72:365-382.
- 2001 Gulmann, L.K., L.S. Mullineaux and H.L. Hunt. Effects of caging on retention of postlarval soft-shelled clams (*Mya arenaria*). *Journal of Shellfish Research*. 20: 135-142.
- 2001 Marsh, A. G., L. S. Mullineaux, C. M. Young and D. T. Manahan. 2001. Larval dispersal potential of the tubeworm *Riftia pachyptila* at deep-sea hydrothermal vents. *Nature* 411: 77-80.
- 2001 Etter, R. and L.S. Mullineaux. Deep-Sea Communities. In, Bertness, M.D., S.D. Gaines and M.E. Hay, eds., *Marine Community Ecology*, p. 367-394, Sinauer Associates Inc. Sunderland, MA.
- 2000 Mullineaux, L. S., C. R. Fisher, C. H. Peterson and S. W. Schaeffer. Vestimentiferan tubeworm succession at hydrothermal vents: use of biogenic

- cues to reduce habitat selection error? *Oecologia* 123:275-284.
- 1999 Berntson, E. A., S. C. France and L. S. Mullineaux. Phylogenetic relationships within the Class Anthozoa (Phylum Cnidaria) based on 18S ribosomal DNA sequence information. *Molecular Phylogenetics and Evolution* 13(2): 417-433.
- 1999 Dunn, R., L. S. Mullineaux and S. W. Mills. Resuspension of postlarval soft-shell clams *Mya arenaria* through disturbance by the mud snail *Ilyanassa obsoleta*. *Marine Ecology Progress Series* 180:223-232.
- 1998 Kim, S.L. and L.S. Mullineaux. Distribution and near-bottom transport of larvae and other plankton at hydrothermal vents. *Deep-Sea Research II* 45: 423-440.
- 1998 Mullineaux, L.S., S.W. Mills and E. Goldman. Recruitment variation during a pilot colonization study of hydrothermal vents (9°50'N, East Pacific Rise). *Deep-Sea Research II* 45:441-464.
- 1997 Mullineaux, L.S. and S.W. Mills. A test of the larval retention hypothesis in seamount-generated flows. *Deep-Sea Research* 44: 745-770.
- 1996 France, S.C., P.E. Rosel, J. E. Agenbroad, L.S. Mullineaux, T.D. Kocher. DNA sequence variation of mitochondrial large-subunit rRNA provides support for a two subclass organization of the Anthozoa (Cnidaria). *Molecular Marine Biology and Biotechnology* 5:15-28.
- 1996 Mullineaux, L.S., S. Kim, A. Pooley and R. Lutz. Identification of Archaeogastropod larvae from a hydrothermal vent community. *Marine Biology* 124: 551-560.
- 1995 Haney, J.C., L.R. Haury, L.S. Mullineaux, C.L. Fey. Seabird aggregation at a deep North Pacific seamount. *Marine Biology* 123:1-9.
- 1995 Mullineaux, L.S. and S.C. France. Dispersal of deep-sea hydrothermal vent fauna, in S.E. Humphris, R.A. Zierenberg, L.S. Mullineaux, and R.E. Thomson, eds., *Seafloor hydrothermal systems: physical, chemical, biological, and geochemical interactions*, Geophysical Monograph Series volume 91, p. 408-424.
- 1995 Mullineaux, L.S. P.H. Wiebe and E.T. Baker. Larvae of benthic invertebrates in hydrothermal vent plumes over Juan de Fuca Ridge. *Marine Biology* 122: 585-596.
- 1995 Wishner, K.F, C.J. Ashjian, C. Gelfman, M.M. Gowing, L. Kann, L.A. Levin, L.S. Mullineaux and J. Saltzman. The lower interface of the eastern tropical pacific oxygen minimum zone. *Deep-Sea Research* 42:93-115.
- 1994 Rankin, K., L.S. Mullineaux and W.R. Geyer. Transport and deposition of juvenile gem clams (*Gemma gemma*) in a headland wake. *Estuaries* 17:655-667.
- 1994 Kim, S.L., L.S. Mullineaux and K.R. Helfrich. Larval dispersal via entrainment

- into hydrothermal vent plumes. *Journal of Geophysical Research* 99: 12,655-12,665.
- 1994 Mullineaux, L.S. Implications of mesoscale flows for dispersal and retention of larvae in deep-sea habitats. In: C.M. Young and K.J. Eckelbarger, eds. *"Reproduction, larval biology and recruitment of the deep-sea benthos"*. Columbia University Press, p. 201-222.
- 1994 Kaartvedt, S., C.L. Van Dover, L.S. Mullineaux, P.H. Wiebe and S. Bollens. Deep-sea amphipods on a hydrothermal treadmill. *Deep-Sea Research* 41: 179-195.
- 1993 Mullineaux, L. S. and E. D. Garland. Larval recruitment in response to manipulated field flows. *Marine Biology* 116:667-683.
- 1991 Mullineaux, L. S. and C. A. Butman. Initial contact, exploration, and attachment of barnacle (*Balanus amphitrite*) cyprids settling in flow. *Marine Biology* 110: 93-103.
- 1990 Wishner, K., L. Levin, M. Gowing and L. Mullineaux. Involvement of the oxygen minimum in benthic zonation of a deep seamount. *Nature* 346: 57-59.
- 1990 Mullineaux, L. S. and C. A. Butman. Recruitment of benthic invertebrates in boundary-layer flows: a deep water experiment on Cross Seamount. *Limnol. Oceanogr.* 35: 409-423.
- 1989 Noble, M. and L. S. Mullineaux. Internal tidal currents over the summit of Cross Seamount. *Deep-Sea Research* 36:1791-1802.
- 1989 Mullineaux, L. S. Vertical distributions of the epifauna on manganese nodules: implications for feeding and settlement in flow. *Limnol. Oceanogr.* 34(7): 1247-1262.
- 1988 Mullineaux, L. S. The role of initial settlement in structuring a hard-substratum community in the deep sea. *J. Exp. Mar. Biol. Ecol.* 120: 247-261.
- 1988 Mullineaux, L. S. Taxonomic notes on large, mat-like foraminifers encrusting manganese nodules, including the description of a new genus, *Chondrodapis* (Komokiacea). *J. Foram. Res.* 18: 46-53.
- 1987 Mullineaux, L. S. Organisms encrusting manganese nodules and crusts: distribution and abundance at three North Pacific sites. *Deep-Sea Res.* 34: 165-184.
- 1986 Mullineaux, L. S. and M. J. Westberg-Smith. Radiolarians as paleoceanographic indicators in the Miocene Monterey Formation, Newport Beach, California. *Micropaleontology* 32: 48-71.
- 1984 Mullineaux, L. S. and T. E. DeLaca. Distribution of Antarctic benthic foraminifers settling on the pecten *Adamusium colbeckii*. *Polar Biol.* 3: 185-189.

- 1981 Mullineaux, L. S. and G. P. Lohmann. Late Quaternary stagnations and recirculation of the eastern Mediterranean: changes in the deep water recorded by fossil benthic foraminifers. *Jour. Foram. Res.* 11: 20-39.