

2003 REFEREED PUBLICATIONS

1. Agnisola, C., Randall, D.J., Taylor, E.W. 2003. The modulatory effects of noradrenaline on vagal control of heart rate in the dogfish, *Squalus acanthias*. *Physiological and Biochemical Zoology* 76: 310-320.
2. Altman, A.D., Taylor, E.B. 2003. A molecular assessment of homing in the tidepool sculpin. *Journal of Fish Biology* 62: 623-640.
3. Burns, K.C. 2003. Broad-scale reciprocity in an avian seed dispersal mutualism. *Global Ecology and Biogeography* 12: 421-426.
4. Campbell, A., Lessard, J., Jamieson, G.S. 2003. Fecundity and seasonal reproduction of northern abalone, *Haliotis kamtschatkana*, in Barkley Sound, Canada. *Journal of Shellfish Research* 22: 811-818.
5. Carefoot, T.H. 2003. Energetics and nutritional aspects of brood development in the semiterrestrial isopod, *Ligia pallasii*. *Biology of Terrestrial Isopods V*: 121-132.
6. Eaves, A.A., Palmer, A.R. 2003. Widespread cloning in echinoderm larvae. *Nature* 425: 146.
7. Farrell, A.P., Lee, C.G., Tierney, K., Hodaly, A., Clutterham, S., Healey, M., Hinch, S., Lotto, A. 2003. Field-based measurements of oxygen uptake and swimming performance with adult Pacific salmon using a mobile respirometer swimtunnel. *Journal of Fish Biology* 62: 64-84.
8. Fudge, D.S., Gardner, K.H., Forsyth, V.T., Riekel, C., Gosline, J.M. 2003. The mechanical properties of hydrated intermediate filaments: Insights from hagfish slime threads. *Biophysical Journal* 85: 2015-2027.
9. Leander, B.S., Clopton, R.E. and Keeling, P.J. 2003. Phylogeny of gregarines (Apicomplexa) as inferred from small subunit rDNA and beta-tubulin. *Int. J. Syst. Evol. Microbiol.* 53:345-354.
10. Leander, B.S., Harper, J.T., Keeling, P. J. 2003. Molecular phylogeny and surface morphology of marine aseptate gregarines (Apicomplexa): *Selenidium* and *Lecudina*. *Journal of parasitology* 89: 1191-1205.
11. Leys, S.P. 2003. A comparative study of spiculogenesis in demosponge and hexactinellid larvae. *Microscopy Research and Technique*. 62: 300-311.
12. Leys, S.P. 2003. The significance of syncytial tissues for the position of the Hexactinellida in the Metazoa. *Integrative and Comparative Biology* 43:19-27.

13. Macdonald, T.A. 2003. Phylogenetic relations among spirorbid subgenera and the evolution of opercular brooding. *Hydrobiologia* 496: 125-143.
14. Marchinko, K. B. 2003. Dramatic phenotypic plasticity in barnacle legs (*Balanus glandula darwin*): magnitude, age dependence, and speed of response. *Evolution* 57: 1281-1290.
15. Marchinko, K. B., Palmer, A. R. 2003. Feeding in flow extremes: dependence of cirrus form on wave-exposure in four barnacle species. *Zoology* 106: 127-141.
16. Marko, P.B., Palmer, A.R., Vermeij, G.J. 2003. Resurrection of *Nucella ostrina* (Gould, 1852), lectotype designation for *N. emarginata* (Deshayes, 1839), and molecular genetic evidence of Pleistocene speciation. *Veliger* 46: 77-85.
17. McGaw, I.J. 2003. Behavioral thermoregulation in *Hemigrapsus nudus*, the amphibious purple shore crab. *Biological Bulletin* 204: 38-49.
18. McGaw, I.J., McMahon, B.R. 2003. Balancing tissue perfusion demands: cardiovascular dynamics of *Cancer magister* during exposure to low salinity and hypoxia. *Journal of Experimental Zoology* 295A: 57-70.
19. Mudge, B., Scrosati, R. 2003. Effects of wave exposure on the proportion of gametophytes and tetrasporophytes of *Mazzaella oregona* (Rhodophyta: gigartinales) from Pacific Canada. *Journal of the Marine Biological Association of the United Kingdom* 83: 701-704.
20. Richards, J.G., Heigenhauser, G.J.F., Wood, C.M. 2003. Exercise and recovery metabolism in the pacific spiny dogfish (*Squalus acanthias*). *Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology* 173: 463-474.
21. Rochette, R., Dunmall, K., Dill, L.M. 2003. The effect of life-history variation on the population size structure of a rocky intertidal snail (*Littorina sitkana*). *Journal of Sea Research* 49: 119-132.
22. Ross, P.J.; Donaldson, S.L.; Saunders, G.W. 2003. A molecular investigation of *Mazaella linearis* and *M. splendens*. *Bot. Mar.* 46:202-213.
23. Saldarriaga, J.F.; Leander, B.S.; Taylor, F.J.R.; Kneeling, P.J. 2003. *Lessardia elongata* gen. et sp. nov. (Dinoflagellata, Peridinales, Podolampaceae) and the taxonomic position of the genus *Roscoffia*. *Journal of Phycology* 39:368-378.
24. Schröder, H.C., Krasko, A., Gundacker, D., Leys, S.P., Müller, I.M., Müller, W.E.G. 2003. Molecular and functional analysis of the (6-4) photolyase from the hexactinellid *Aphrocallistes vastus*. *Biochimica et Biophysica acta.* 1651:41-49.

25. Smith, S.E., Douglas, R., da Silva, K.B., Swalla, B.J. 2003. Morphological and molecular identification of Saccoglossus species (Hemichordata : Harrimaniidae) in the Pacific Northwest. *Canadian Journal of Zoology* 81: 133-141.
26. Tsurumi, M., De Graaf, R.C., Tunnicliffe, V. 2003. Distributional and biological aspects of copepods at hydrothermal vents on the Juan de Fuca Ridge, north-east Pacific ocean. *Journal of the Marine Biological Association of the United Kingdom* 83: 469-477.
27. Van Parijs, S.M., Corkeron, P.J., Harvey, J., Hayes, S.A., Mellinger, D.K., Rouget, P.A., Thompson, P.M., Wahlberg, M., Kovacs, K.M. 2003. Patterns in the vocalizations of male harbor seals. *Journal of the Acoustical Society of America* 113: 3403-3410.
28. Weightman, J.O., Arsenault, D.J. 2003. Reply to the comment by Dalby and Elliott on "Predator classification by the sea pen *Ptilosarcus gurneyi* (Cnidaria): role of waterborne chemical cues and physical contact with predatory sea stars" *Canadian Journal of Zoology* 81: 559-561.
29. Wright, J.C., Carefoot, T.H., Albers, M.A. 2003. Osmoregulation and salt excretion in the Ligiidae and Tylidae (Isopoda, Oniscidea) *Biology of Terrestrial Isopods V*: 311-334.
30. SUBMITTED
31. McGaw, I.J. 2003. Physiological compensation associated with burying behaviour in two sympatric crab species, *Cancer magister* and *Cancer productus*. *Journal of Experimental Marine Biology and Ecology* (submitted)

NONREFEREED PUBLICATIONS AND REPORTS

1. Department of Fisheries and Oceans. 2003. 2002 Pacific Region State of the Ocean. DFO Ocean Status Report 2003/01. 54p.
2. Mortimor, J.P., Henderson, C.R., Elliott, G.R.D. 2003. Night and day surveys of a northern abalone (*Haliotis kamtschatkana*) population in Eagle Bay, British Columbia. Proceedings of the workshop on rebuilding techniques for abalone in British Columbia. Tech. Rep. Fish. Aquat. Sci. no. 2482: 49-64.
3. Pearce, C.M., Agerup, P., Alabi, A., D. Renfrew, et al. 2003. Recent progress in hatchery production of pinto abalone *Haliotis kamtschatkana* in British Columbia, Canada. *Can. Tech. Rep. Fish. Aquat. Sci.* 2482: 29-44.
4. Simpson, K., Chamberlain, M., Fagan, J., Holtby, B., Sweeting, R., Tanasichuk, R.W. 2003. Forecast for southern and central British Columbia coho salmon in 2003. DFO Can. Stock Assess. Res. Doc. 2003/102 76p.

DISSERTATIONS AND THESES

1. McGhee, K.E. 2003. The role of allorecognition and larval interactions in the fusion of sponge larvae. Florida State University M.S. Thesis.
2. Schneider, S.M.B. 2003. Substrate, wave action, algae, and functional ecological diversity of the rocky intertidal in Barkley Sound. University of Victoria, M. Sc. Thesis.
3. Stoeckle, Mathis. 2003. "Analysis of morphology, excitability and membrane currents in central neurones of *Nereis vexillosa*: establishment of neurobiological methodologies in an uninvestigated marine animal" Diplomathesis in Marine Zoology, Institute of Zoology, Biocenter/ Pharmacenter, University of Basel, Switzerland.
4. ABSTRACTS
5. Stewart, A. 2003. Absolutely abalone: Habitat stewardship programme for the pinto abalone on the west coast of Vancouver Island. Can. Rep. Fish. Aquat. Sci. 2482: 23-24.