

Appendix B

**Dr. Gretchen Lambert
Circulum Vitae**

GRETCHEN LAMBERT

Marine biological consultant and ascidian taxonomist
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<http://depts.washington.edu/ascidian/>

Current Research Interests: Ascidian taxonomy, biodiversity, invasive species

Ascidian Taxonomic Workshops Presented (since 2001) (with C. Lambert except N. Ireland)

Third Intl. Invasive Sea Squirt Conference, Woods Hole, Mass., April 26, 2010 (upcoming)
Maurice Lamontagne Institute, Fisheries and Oceans Canada, Mont-Joli, Québec, Oct. 5-9, 2009
Instructor with C. Lambert and R. Rocha: Tunicate Biology and Taxonomy, Smithsonian
Tropical Research Station, Bocas del Toro, Panama August 13-27, 2006, June 3-17, 2009.
Instructor with J. Bishop, J. Ryland and B. Picton. Ascidian Taxonomy Training Workshop,
Portaferry, Northern Ireland, 4-8 August 2008
Pacific Biological Station, Nanaimo, British Columbia, Canada November 4, 2005.
Numerous workshops on invasive ascidians 2005 for WA Dept. of Fish & Wildlife and WA Sea
Grant.
Bodega Bay Marine Laboratory, California, sponsored by the Natl. Park Service, May 29, 2003.
Huntsman Marine Science Centre, St. Andrews, New Brunswick, Canada Oct. 2002.
Nahant Marine Science Center, MA, for Univ. of Mass. Boston and Mass. Sea Grant. Oct. 2002.
Smithsonian Env'l. Research Center, MD Feb. 2001; Nov. 2001; July 2002; Feb. 2003, Jan. 2004.

Ascidian Taxonomic Consulting (since 2000)

Coral Reef Research Foundation (1999, 2000); Dr. Brent Copp, Univ. of Auckland: NZ
specimens (2000); Dr. Gustav Paulay, Guam specimens (1999, 2000); Vancouver BC Aquarium
2002-2005; Smithsonian Env'l. Research Center, Edgewater, MD ongoing since 1999; CA Dept.
Fish & Game, administered by Moss Landing Marine Lab: thousands of ascidians from open
coast, bays and harbors, 2001, 2005-present; Fisheries & Oceans Canada 2003-present; WA
Dept. Fish & Wildlife 2005-present; Australia marine biosecurity 2010.

Member, Recent Major Taxonomic Expeditions (since 2003)

New England RAS July 24-Aug. 1, 2007. Sponsored by MA Sea Grant and EPA Natl. Estuary
Program.
Brittany, France—rapid assessment survey of harbors for invasive ascidians. Aug. 24-Sept. 3,
2005.
Maine-Rapid assessment survey of Cobscook Bay for invasive marine taxa Aug. 5-10, 2005.
Southern England, UK-Rapid assessment survey of harbors for invasive marine taxa Sept., 2004.
Miami, Florida for the Smithsonian Env'l. Research Center August 9-17, 2004.
S. Padre Is., Texas Aug. 1-4, 2004. For Univ. TX-Pan Am. Fac. Res. Council.
Ketchikan, Alaska, for the Smithsonian Env'l. Research Center Sept. 8-16, 2003.
Rapid assessment survey for nonindigenous species in the U.S. EPA National Estuary program
from Casco Bay, Maine, through Pekonic, Long Island Sound, Aug. 3-10, 2003.
Tomales and Bodega Bays, California, rapid assessment survey of the invertebrate diversity and
invasive marine species, sponsored by the National Park Service, May 28-30, 2003.

Recent Publications (since 2003)

Since my first publication in 1968, I have authored or co-authored 64 peer-reviewed papers.

- Lambert, G., Shenkar, N. and Swalla, B. J. First Pacific record of the north Atlantic ascidian *Molgula citrina* – bioinvasion or circumpolar distribution? *Aquatic Invasions* **5** (4): in press.
- Shenkar, N. and **Lambert, G.** 2010. A new species of the genus *Boltenia* (Ascidiacea) from the Red Sea. *Zootaxa* 2391: 61–68.
- Griffith, K., Mowat, S., Holt, R. H. F., Ramsay, K., Bishop, J. D. D., **Lambert, G.** and Jenkins, S. R. 2009. First records in Great Britain of the invasive colonial ascidian *Didemnum vexillum* Kott, 2002. *Aquatic Invasions* **4** (4): 581-590.
- Cole, L. and **Lambert, G.** 2009. Tunicata (Urochordata) of the Gulf of Mexico. Chapt. 73, pp. 1209-1216 *in: Gulf of Mexico: Origin, Waters, and Biota. Vol. 1, Biodiversity. Ed. By D. L. Felder and D. K. Camp. Texas A&M Univ. Press.*
- Lambert, G. 2009. Adventures of a sea squirt sleuth: unraveling the identity of *Didemnum vexillum*, a global ascidian invader. *Aquatic Invasions* **4**: 5-28.
- Stefaniak, L., **Lambert, G.**, Gittenberger, A., Zhang, H., Lin, S. and Whitlatch, R. B. 2009. Genetic conspecificity of the worldwide populations of *Didemnum vexillum* Kott, 2002. *Aquatic Invasions* **4**: 29-45.
- Abbott, D. P., Lambert, C. C., **Lambert, G.** and Newberry, A. T. 2007. Chordata: Ascidiacea. In: Carlton, J. T. (ed.), *The Light & Smith Manual: Intertidal invertebrates from central California to Oregon*. Berkeley, California, University of California Press, chapter 35: 918-933.
- Lambert, G. 2007. The nonindigenous ascidian *Molgula ficus* in California. *Cah. de Biol. Mar.* **48**: 95-102.
- Bullard, S. G., **Lambert, G.**, Carman, M. R., Byrnes, J., Whitlatch, R. B., et al. 2007. The colonial ascidian *Didemnum* sp. A: current distribution, basic biology, and potential threat to marine communities of the northeast and west coasts of North America. *J. Exp. Mar. Biol. Ecol.* **342** (1): 99-108
- Arenas, F., Bishop, J. D. D., Carlton, J. T., Dyrinda, P. J., Farnham, W. F., Gonzales, D. J., Jacobs, M. W., Lambert, C., **Lambert, G.**, et al. 2006. Alien species and other notable records from a rapid assessment survey of marinas on the south coast of England. *J. Mar. Biol. Ass. U.K.* **86**: 1329-1337.
- Cohen, A. N., Harris, L. H., Bingham, B. L., Carlton, J. T., Chapman, J. W., Lambert, C. C., **Lambert, G.**, Ljubenkov, J. C., Murray, S. N., Rao, L. C., Reardon, K. and Schwindt, E. 2005. Rapid Assessment Survey for exotic organisms in southern California bays and harbors, and abundance in port and non-port areas. *Biol. Invasions* **7**: 995-1002.
- Lambert, G. 2005. Ecology and natural history of the protochordates. *Can. J. Zool.* **83** (1): 34-50.
- Lambert, G. 2005. First North American record of the ascidian *Perophora japonica*. *J. Mar. Biol. Assoc. UK* **85**: 1011-1012.
- Lambert, G., Faulkes, Z., Lambert, C. C., and Scofield, V. L. 2005. Ascidiaceans of South Padre Island, Texas, with a key to species. *Texas J. Sci.* **57** (3): 251-262.
- Lambert, G. 2004. The south temperate and antarctic ascidian *Corella eumyota* reported in two harbours in northwestern France. *J. Mar. Biol. Assoc. UK* **84** (1) 239-241.
- Lambert, G. 2003. New records of ascidians from the NE Pacific: a new species of *Trididemnum*, range extension and redescription of *Aplidiopsis pannosum* (Ritter, 1899) including its larva, and several nonindigenous species. *Zoosystema* **25** (4): 665-679.
- Lambert, C. C. and **Lambert, G.** 2003. Persistence and differential distribution of nonindigenous ascidians in harbors of the Southern California Bight. *Mar. Ecol. Prog. Ser.* **259**: 145-161.
- Lambert, G. 2003. Marine biodiversity of Guam: the Ascidiacea. *Micronesica* **35-36**: 588-597. Full list available at <http://depts.washington.edu/ascidian/glpub.html>

Grants and Awards

Washington Dept. of Fish and Wildlife, \$20,000 in 2006 for consulting and survey of all the major harbors and marinas of Puget Sound and Hood Canal for invasive ascidians; \$10,000 for consultation and presentation of workshops during 2005 on invasive ascidians.
Lambert, C.C. and **G. Lambert**, co-principal investigators. The Introduction of Non-indigenous Ascidian Species into Southern California Harbors and Marinas. California Sea Grant #NA36RG0537, \$~95,000; 2 years, Oct. 1, 1996-Sept. 30, 1998.
Zoological Science Award from the Zool. Soc. of Japan Sept. 1998 for excellence in zool. research.

Leadership Positions

Canadian J. of Zoology Editorial Advisory Board. Since June 2005.
2007. 4th Intl. Tunicata meeting, June 23-27, Villefranche-sur-Mer, France. **Co-organizer.**
2005. 3rd Intl. Tunicata meeting, July 9-13 at Univ. of Calif. Santa Barbara. **Co-organizer.**
2005. Intl. Invasive Sea Squirt Conference at Woods Hole, Mass., April 21-22. **Keynote speaker.**
1990--2004 Univ. of Washington Friday Harbor Labs Advisory Committee
2003-2004 Member, Friday Harbor Laboratories Centennial Committee
Publisher (with C.C. Lambert) of Ascidian News since 1975.
<http://depts.washington.edu/ascidian/>

Professional organizations

Southern Calif. Assoc. of Marine Invertebrate Taxonomists; Northern Assoc. of Marine Invertebrate Taxonomists

Professional Preparation

Carleton College, Minnesota 1959-1961
B.A. Univ. of Minnesota 1963 (Zoology, Magna cum Laude)
Univ. of Miami Inst. of Marine Science 1964-1965
M.S. Univ. of Washington 1967 (Zoology). **Advisor** Dr. Robert Paine, UW Dept. of Biology

Positions

Ascidian taxonomist consultant 1978-present
Senior Research Assoc. CA State Univ. Fullerton 1995-1998; Research Assoc. CSUF 1978-1995; Coordinator Biol. 101 Labs, CSUF 1974-1977; Lecturer in Biology, CSUF 1970, 1972-1973; Curator of Mar. Invert. Synoptic Collection, CSUF 1971.

Visiting Investigator (since 2000)

Santa Barbara Museum of Natural History June-July 2005. Identified and catalogued entire ascidian collection and donated my personal large collection to the museum.
Univ. of Washington Friday Harbor Laboratories summer 2001, Sept. 2002, June-July 2003, 2004, 2006, 2007, 2009, 2010
Station Biologique, Roscoff, France July-Aug. 2002, Aug.-Sept. 2005.
Univ. of Guam Jan. – March 1999, 2000