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EDUCATION

Ph.D. (Ecology, Evolution and Marine Biology), Advisor: Dr. Armand Kuris, University of California, Santa Barbara. 2002.
M.S. (Marine Biology), Advisor: Dr. Nora Terwilliger, University of Oregon. 1994.
B.A. (Aquatic Biology) with high honors, University of California, Santa Barbara. 1991.

PROFESSIONAL EXPERIENCE

Postdoctoral Fellow, National Center for Ecological Analysis and Synthesis. Santa Barbara California. 2003-present
Staff Scientist, Smithsonian Tropical Research Institute, Republic of Panama. 2003-present (on leave)
Assistant Research Biologist I. Marine Science Institute. University of California, Santa Barbara. 2002-present.
Postdoctoral Fellow. Smithsonian Institution. Smithsonian Environmental Research Center, Edgewater, Maryland. 2002-2003.
Invited Working Group Participant. National Center for Ecological Analysis and Synthesis, Santa Barbara, California. Infectious Diseases and Conservation Biology. 1999- 2002.
Sea Grant Trainee. University of California, Santa Barbara (for Dr. Armand Kuris). 1999 - 2001.
Sea Grant Trainee. University of California, Santa Barbara (for Dr. Kevin Lafferty). 1997 - 1999.
Graduate Research Assistant. University of California, Santa Barbara (for Dr. Armand Kuris). 1995 - 1996.
Staff Research Assistant. University of California, Santa Barbara (for Dr. Armand Kuris). 1994.
Research Assistant. University of Oregon (for Dr. Nora Terwilliger). 1992.

TEACHING EXPERIENCE

Lecturer. University of California, Santa Barbara. EEMB 112, Invertebrate Zoology. 2002.
Instructor. College of Creative Studies, University of California, Santa Barbara. Marine Biology. 1999.
Teaching Assistant. University of California, Santa Barbara: Parasitology, Invertebrate Zoology. 1995 - 1997.
Teaching Assistant. University of Oregon: Invertebrate Zoology, Marine Biology. 1992 - 1993.

HONORS AND COMPETITIVE AWARDS

Postdoctoral Fellowship, National Center for Ecological Analysis and Synthesis. 2003.
Postdoctoral Fellowship, Smithsonian Institution. 2002.
Graduate Division Travel Grant, University of California, Santa Barbara. 2001.
Mark Dresden Travel Grant, American Society of Parasitologists. 1998.
Graduate Teaching Fellowship, University of Oregon. 1992, 1993.
Summer Science Research Fellowship, American Heart Association. 1992.
Lerner-Gray Award, American Museum of Natural History. 1992.

MANUSCRIPTS IN PEER REVIEWED JOURNALS

- Torchin, M.E., K.D. Lafferty, A.P. Dobson, V.J. McKenzie and A.M. Kuris. 2003. Introduced species and their missing parasites. *Nature* 421: 628-630.
- Kuris, A.M., M.E. Torchin and K.D. Lafferty. 2002. *Fecampia erythrocephala* rediscovered: prevalence and distribution of a parasitoid of the European shore crab, *Carcinus maenas*. *Journal of the Marine Biological Association*, UK 82: 955-960.
- Torchin, M.E., K.D. Lafferty and A.M. Kuris. 2002. Parasites and marine invasions. *Parasitology* 124: S137-S151.
- Torchin, M.E., K.D. Lafferty and A.M. Kuris. 2001. Release from parasites as natural enemies: increased performance of a globally introduced marine crab. *Biological Invasions* 3: 333-345.
- Torchin, M.E., K.D. Lafferty and A.M. Kuris. 1996. Infestation of an introduced host, the European green crab, *Carcinus maenas*, by a native symbiotic nemertean egg predator, *Carcinonemertes epialti*. *Journal of Parasitology* 83: 449-453.
- Torchin, M.E. and C.E. Mitchell. *In press, Frontiers in Ecology and the Environment*. Parasites, pathogens and invasions by plants and animals.
- Torchin, M.E., J.E. Byers and T.C. Huspeni. *In press, Biological Invasions*. Differential parasitism of native and introduced snails: replacement of a parasite fauna.
- Goddard, J.H.R., M.E. Torchin, K.D. Lafferty and A.M. Kuris. *In press, Biological Invasions*. Host specificity of *Sacculina carcini*, a potential biological control agent of the introduced European green crab, *Carcinus maenas*.

OTHER PUBLICATIONS

- Lafferty, K.D. and M.E. Torchin. 1997. Parasites of the sand crabs, *Emerita analoga* and *Blepharipoda occidentalis* and the risk of infection for foraging sea otters, *Enhydra lutris*. Final report to the US Geological Survey.
- Kuris, A.M., K.D. Lafferty, and M.E. Torchin. 1996. Control of the European green crab in California: detection of natural enemies. Final Report to Saltonstall-Kennedy. Grant Number: NA46FDO493.

PROFESSIONAL SERVICE

- Graduate mentor. Academic Research Consortium, University of California, Santa Barbara. 2001.
- Research mentor. Research Mentorship Program, University of California, Santa Barbara. 1999.
- Supervisor. Undergraduate research projects. University of California, Santa Barbara. 1997-2001.
- Reviewer for: Ecology, Ecology Letters, Animal Conservation, Frontiers in Ecology and the Environment. 2003-2004.

INVITED TALKS PRESENTED AT SYMPOSIA AND INSTITUTIONS

- American Association for the Advancement of Science. Denver, Colorado. 2003
- Smithsonian Tropical Research Institute, Panama City, Panama. 2003.
- National Marine Fisheries Service, Alaska Fisheries Science Center, Seattle, Washington. 2001.
- Estacion Costera de Investigaciones Marinas, Las Cruces, Universidad Catolica, Chile. 2001.
- Kristineberg Marine Research Station, Royal Swedish Academy of Sciences, Sweden. 1995.
- Institute of Zoology, University of Copenhagen, Denmark. 1995.

TALKS PRESENTED AT (OR CO-AUTHORED*) AT SCIENTIFIC MEETINGS

- Torchin, M.E., K.D. Lafferty, and A.M. Kuris. 2004. Introduced species and their missing parasites: what's gained by their loss? American Association of Limnology and Oceanography, Honolulu, Hawaii.
- Torchin, M.E., R.F. Hechinger, T.C. Huspeni, K.L. Whitney and K.D. Lafferty*. 2003. Ecology of the introduced ribbed mussel (*Geukensia demissa*) in Estero de Punta Banda, Mexico: interactions with the native cord grass, *Spartina foliosa*. Western Society of Naturalists. Long Beach, California.
- Torchin, M.E., J.E. Byers and T.C. Huspeni. 2002. Differential parasitism in sympatric native and introduced snails: implications for pronounced and cryptic impacts by biological invaders. International Congress for Parasitology X. Vancouver, Canada.
- Torchin, M.E., K.D. Lafferty, and A.M. Kuris. 2001. Parasites and the success of exotic marine species. Western Society of Naturalists. Ventura, California.
- *Kuris, A.M., M.E. Torchin and K.D. Lafferty. 2001. *Fecampia erythrocephala* rediscovered: prevalence and distribution of a parasitoid of the European shore crab, *Carcinus maenas*. Western Society of Naturalists. Ventura, California.
- Torchin, M.E., K.D. Lafferty and A.M. Kuris. 2001. The role of parasites in the invasion success of a globally introduced marine crab. American Fisheries Society, Phoenix, Arizona.
- Torchin, M.E., K.D. Lafferty and A.M. Kuris. 2001. Release from natural enemies and invasion success: increased performance of green crabs in the absence of parasites. Second International Conference on Marine Bioinvasions. New Orleans, Louisiana.
- *Goddard, J.H.R., M.E. Torchin, K.D. Lafferty and A.M. Kuris. 2001. Experimental infection of native California crabs by *Sacculina carcini*, a potential biocontrol agent of introduced European green crabs. Second International Conference on Marine Bioinvasions. New Orleans, Louisiana.
- *Goddard, J.H.R., M.E. Torchin, A.M. Kuris, and K.D. Lafferty. 2001. Host specificity of *Sacculina carcini* (Crustacea: Rhizocephala): infection and immune responses of host and non-host crabs differing in their evolutionary histories with the parasite. American Society of Parasitologists meeting. Albuquerque, New Mexico.
- Torchin, M.E., J.E. Byers and T.C. Huspeni. 1999. Differential parasitism by larval trematodes in co-occurring native and introduced estuarine snails. American Society of Parasitologists. Monterey, California.
- Torchin, M.E., J.E. Byers and T.C. Huspeni. 1999. Do parasites influence the invasion success and impacts of an introduced snail? Western Society of Naturalists Meeting. Monterey, California.
- *Goddard, J.H.R., M.E. Torchin, A.M. Kuris, and K.D. Lafferty. 1999. Biocontrol of introduced green crabs: root heads to the rescue? Western Society of Naturalists Meeting. Monterey, California.
- Torchin, M.E., K.D. Lafferty, and A.M. Kuris. 1998. The European green crab, its escape from natural enemies, and the safety and efficacy of biological control. Eighth International Zebra Mussel and Aquatic Nuisance Species Conference. Sacramento, California.
- Torchin, M.E., K.D. Lafferty, and A.M. Kuris. 1998. Introduced species and their escape from parasitism: the European green crab leaves its parasites behind. American Society of Parasitologists. Kona, Hawaii.
- *Lafferty, K.D. and M.E. Torchin. 1998. Conflict and shared interest in a community of larval parasites infecting two sympatric sand crabs. American Society of Parasitologists. Kona, Hawaii.
- Torchin, M.E., K.D. Lafferty, and A.M. Kuris. 1997. Introduced species and their escape from natural enemies: the European green crab, *Carcinus maenas*, as an example. Western Society of Naturalists. La Paz, Mexico.

GRANTS RECEIVED AND PENDING (* CO-WRITTEN AS A PH.D. STUDENT)

- Tests of ANS risk analysis II: Do changes in population characteristics associated with US Transcoastal invasions limit robust predictions? National Sea Grant. (PIs: Drs. A. Whitman Miller, Gregory M. Ruiz, Mark E. Torchin, Jonathan Geller and James Carlton) \$210,000.
- *Larval trematode communities as indicators of wetland ecosystem health. New Hampshire Sea Grant. (P.I.: Dr. James Byers). \$135,000. 2002
- *The role of parasites in the invasion success of introduced fish species of Mexico and the United States. UC Mexus-CONACYT (P.I.s: Drs. Armand Kuris and Victor Vidal Martínez). \$25,000. 2000.
- *Biological control of invasive green crabs: a new, rapid and reliable safety test of a proposed control agent. California Sea Grant (P.I.s: Drs. Armand Kuris and Jeffrey Goddard). \$179,313. 1999.
- *The Safety and Efficacy of Green Crab Biological Control. California Sea Grant (P.I. Dr. Kevin Lafferty). \$107,493. 1997.