

## CURRICULUM VITAE

### ROBERT R. WARNER

**INTERESTS:** Behavioral ecology; the interaction of behavior and life history; population ecology, particularly in coral reef fishes.

**PERSONAL:** Born October 28, 1946; U. S. Citizen

#### PROFESSIONAL EXPERIENCE:

- 1964 - 67 Analytical chemist, Atlantic Richfield Oil Co., Wilmington, CA (summers).
- 1970 Research histologist, U.S. Bureau of Commercial Fisheries
- 1973 Programmer and Field Assistant, Marine Ecological Consultants, Solana Beach, CA

#### UNIVERSITY EMPLOYMENT:

- 1973 Instructor, San Diego City College, CA
- 1975-81 Assistant Professor of Marine Biology, Dept. of Biological Sciences, UC Santa Barbara.
- 1982-85 Associate Professor of Marine Biology, Dept. of Biological Sciences, UC Santa Barbara.
- 1985 Professor of Marine Biology, Dept. of Biological Sciences, UC Santa Barbara.
- 1990-95 Vice-Chair, Dept. of Biological Sciences, UC Santa Barbara.
- 1995 Acting Chair, Dept. of Biological Sciences, UCSB
- 1995-98 Chair, Dept. Ecology, Evolution, and Marine Biology, UCSB
- 2007-09 Chair, Dept. Ecology, Evolution, and Marine Biology, UCSB

#### EDUCATION:

- |       |      |                    |   |
|-------|------|--------------------|---|
| A.B.  | 1968 | Vertebrate Zoology | UC Berkeley                                       |
| Ph.D. | 1973 | Marine Biology     | UC San Diego, Scripps Institution of Oceanography |

ROBERT R. WARNER

**HONORS/AWARDS/SPECIAL APPOINTMENTS:**

- 1964 Kraft Award, UC Berkeley
- 1965-68 Academic Scholarships, UC Berkeley
- 1968 Phi Beta Kappa, UC Berkeley
- 1968 Graduated with distinction in general scholarship and in the honors zoology program.
- 1971 Academic scholarship, Scripps Institution of Oceanography
- 1973-75 Postdoctoral fellowship, Smithsonian Tropical Research Institute
- 1982 Plenary Speaker: Fourth European Ichthyology Congress, Hamburg
- 1983 Plenary Speaker: International Ethological Congress, Brisbane
- 1986 C.I.M.A.S. Distinguished Professor, University of Miami
- 1988 Main Speaker: Symposium on Recruitment, Sixth Intl. Coral Reef Congress, Townsville, Aust.
- 1990 Darwin lecturer, University of Kentucky
- 1990 Lawrence Distinguished Professor, SUNY Stony Brook
- 1991 Plenary Speaker: International Ethological Congress, Kyoto
- 1992 Tester Distinguished Professor, University of Hawaii
- 1996 Plenary Speaker: Eighth International Coral Reef Congress, Panama
- 1996-2000 Editorial Board, *Behavioral Ecology*
- 1997 Plenary Speaker, Coastal and Reef Processes: Strategic Development ARC Symposium, James Cook University, Australia
- 1998 Plenary Speaker, Annual International Symposium, The Fisheries Society of the British Isles
- 1998 OUEVRE Visioning Committee for NSF Biological Oceanography
- 1998 Councillor, Society for the Study of Evolution
- 1999 NCEAS Sabbatical Fellowship
- 1999 Marine Reserves Scientific Advisory Panel, Channel Islands National Marine Sanctuary
- 2000-05 Editorial Board, *Journal of Ethology*
- 2001 Distinguished Marine Scientist – Oregon State University
- 2002-09 Research Chair, Channel Islands National Marine Sanctuary Advisory Council
- 2005 Plenary speaker, 7<sup>th</sup> Indo-Pacific Fish Conference, Taipei
- 2006 Distinguished Teaching Award, UC Santa Barbara
- 2006 William R. and Lenore Mote Eminent Scholar Chair in Fisheries Ecology and Enhancement – Florida State University and Mote Marine Laboratory
- 2007 Marsden lecturer, McGill University
- 2009 Plenary speaker, Australian Marine Sciences Association Conference 2009, Adelaide

**ROBERT R. WARNER**

**INVITED LECTURES:**

- 1975 Seminars: Smithsonian Tropical Research Institute  
Yale University  
Guelph University  
UC Berkeley  
UC Santa Barbara  
UC Los Angeles
- 1976 Seminars: Scripps Institution of Oceanography  
Calif. State Universtiy, San Francisco  
California Academy of Sciences  
Symposium: Tropical Biology, UCLA
- 1977 Seminars: Smithsonian Tropical Research Institute
- 1978 Seminars: Cornell University  
McGill University  
UC Davis  
Symposium: Sociobiology, AAAS, Washington, D.C.
- 1979 Seminars: University of Utah  
University of Arizona  
Arizona State University  
UC Santa Cruz
- 1980 Seminars: UC Riverside  
UC Irvine  
Scripps Institution of Oceanography
- 1981 Seminars: University of Nevada  
Oregon State University  
University of Alberta, Canada
- 1982 Seminars: Max Planck Institute, Seewiesen, F.R.G.  
University of Freiburg, F.R.G.  
University of Gronnigen, Netherlands  
Symposium: International Ethological Congress, Oxford  
Main Plenary Speaker: Fourth European Ichthyology Congress, Hamburg
- 1983 Seminars: Scripps Institution of Oceanography  
University of Utah  
Plenary Speaker: International Ethological Congress, Brisbane
- 1984 Symposium: Collias Honorary, UCLA

**ROBERT R. WARNER**

**INVITED LECTURES: (Cont'd)**

- 1985    Seminars:    Ohio State University  
                         University of Kentucky  
                         University of New Mexico  
                         University of California, Santa Barbara  
                         S.T.A.R.E.S.O., Calvi, Corsica  
                         University of British Columbia  
                         Simon Fraser University  
                         Princeton University  
          Symposia:    Coral Reef Congress, Tahiti  
                         Indo-Pacific Fish Congress, Tokyo
- 1986    Seminars:    C.I.M.A.S. Visiting Professor, University of Miami  
          Symposium: Sex Determination, University of Colorado
- 1987    Seminars:    Scripps Institution of Oceanography  
          Symposium: Ethology and Evolutionary Ecology of Fishes
- 1988    Seminars:    McGill University  
                         Laval University  
                         West Indies Laboratory, St. Croix  
          Main Speaker:    Symposium on Recruitment, Sixth Intl. Coral Reef  
   Congress, Townsville, Aust.
- 1989    Seminars:    University of North Dakota  
                         University of Minnesota
- 1990    Darwin Lecturer: University of Kentucky  
          Lawrence Distinguished Visiting Professor, SUNY Stony Brook  
          Seminars:    U.C. Davis  
                         University of Georgia  
                         Scripps Institution of Oceanography  
                         Oxford University  
                         Cambridge University  
                         Uppsala University
- 1991    Seminars:    Imperial College, Silwood Park  
                         University of Berne  
                         University of Zurich  
                         University of Basel  
                         Brown University  
          Plenary Speaker: International Ethological Congress, Kyoto
- 1992    Seminars:    Northern Arizona University  
                         University of the Virgin Islands  
                         Oregon State University

**ROBERT R. WARNER**

Tester Distinguished Professor, University of Hawaii

**ROBERT R. WARNER**

**INVITED LECTURES:** (Cont'd)

- 1993 Symposium: Sexual Selection in Lower Vertebrates (ASIH, Austin)  
Seminars: University of New Hampshire  
Pepperdine University  
Cuesta College  
University of Arizona
- 1994 Seminars: University of North Carolina  
University of Southern California
- 1995 Seminars: Uppsala University, Sweden  
SUNY Buffalo
- 1996 Seminars Calif. State University, Northridge  
Scripps Institution of Oceanography (Rosenblatt symposium)  
Eastern Michigan University  
Michigan State University  
Plenary Speaker, Eighth International Coral Reef Congress, Panama
- 1997 Seminars Scripps Institution of Oceanography, UCSD  
Department of Psychology, UCSB  
Evolutionary Behavior and Social Science Seminar, UCSB  
University of Padova, Italy  
National Center for Ecological Analysis and Synthesis  
Plenary Speaker, Coastal and Reef Processes: Strategic Development  
ARC Symposium, James Cook University, Australia
- 1998 Seminars Florida State University  
University of Florida  
Cornell University  
Humbolt State University  
Workshop OEUVRE (Future of Marine Ecology) NSF, Keystone, CO.  
Working Group Marine Protected Areas (National Center for Ecological  
Analysis and Synthesis)  
Working Group Connectivity in Marine Populations (NSF, Santa Barbara,  
CA)  
Symposium: Marine Protected Areas (NOAA and Mote Marine Laboratory,  
Sarasota, Florida)  
Plenary Speaker, Annual International Symposium, The Fisheries Society of  
the British Isles

**ROBERT R. WARNER**

**INVITED LECTURES: (Cont'd)**

1999	Seminars	Oregon State University National Center for Ecological Analysis and Synthesis University of California, Riverside University of California, Santa Cruz
	Working Group	Marine Protected Areas (National Center for Ecological Analysis and Synthesis)
	Working Group	Long-term Marine Records (National Center for Ecological Analysis and Synthesis)
	Working Group	Open vs. closed marine populations (National Center for Ecological Analysis and Synthesis) – convenor
2000	Seminars	National Center for Ecological Analysis and Synthesis Pacific Marine Fisheries Council Channel Islands Marine Reserves Working Group Pacific Marine Conservation Council Sustainable Seas Expedition Coordinating Group Communication Partnership for Science and the Sea
	Working Group	Marine Protected Areas (National Center for Ecological Analysis and Synthesis)
	Working Group	Long-term Marine Records (National Center for Ecological Analysis and Synthesis)
	Working Group	Open vs. closed marine populations (National Center for Ecological Analysis and Synthesis) – convenor
2001	Seminars	Scripps Institution of Oceanography Oregon State University North Carolina State University
	Speaker	Consultative Group on Biological Diversity Annual Meeting
	Symposium	American Association for the Advancement of Science The Theory of Marine Reserves
	Invited speaker	Second workshop on North American Marine Protected Areas
	Interlocutor	Marine Conservation Biology Symposium on Zoning in the EEZ
2002	Seminars Speaker	Scripps Institution of Oceanography COMPASS Symposium on Marine Reserves US House of Representatives: House Ocean Caucus US House of Representatives: Committee on Resources California Fish and Game Commission California World Ocean Conference Chancellor's breakfast group
	Working Group	Marine Protected Areas II (National Center for Ecological Analysis and Synthesis)

**ROBERT R. WARNER**

**INVITED LECTURES: (Cont'd)**

2003	Seminars	University of Connecticut College of the Atlantic
	Symposia	American Association for the Advancement of Science Coastal Marine Ecology Evolution of Sex and Gender
	Workshop	NSF: Connectivity in marine populations
	Working Group	Marine Protected Areas II (National Center for Ecological Analysis and Synthesis)
2004	Seminars	Hopkins Marine Station, Stanford Florida State University University of Miami
	Working Groups	Marine Protected Areas II (National Center for Ecological Analysis and Synthesis) Land-sea connections (National Center for Ecological Analysis and Synthesis) NOAA National Marine Protected Areas Center – Integration of Marine Protected Areas and Fishery Science and Management
	Symposia	International Coral Reef Congress, Okinawa – Connectivity in Marine Populations International Coral Reef Congress Satellite Meeting – Sex Allocation (Keynote speaker) Friday Harbor Laboratory - Ecosystem-based Management for Resilience Evolution, Mind, and Behavior Symposium– UCSB/UCLA
2005	Seminars	Boston University Woods Hole Oceanographic Institution Channel Islands National Marine Sanctuary
	Working Groups	Marine Protected Areas II (National Center for Ecological Analysis and Synthesis) NOAA National Marine Protected Areas Center – Integration of Marine Protected Areas and Fishery
	Plenary Speaker	7 <sup>th</sup> Indo-Pacific Fish Conference, Taipei
2006	Symposia	Keynote Speaker, UCLA Biology Research Symposium Keynote Speaker, 2006 Sanctuary Currents Symposium, Monterey, CA Keynote Speaker, Sixth William R. and Lenore Mote International Symposium in Fisheries Ecology, Sarasota, FL Policy and Management Implications of Large-Scale Interdisciplinary Studies – Society for Conservation Biology

**ROBERT R. WARNER**

**INVITED LECTURES: (Cont'd)**

2006	Seminars	Florida State University SUNY Stony Brook
2007	Plenary Speaker Seminar Working Group	The Marsden Lecture, McGill University Yale University Marine Protected Area Monitoring (NCEAS)
2008	Seminar Symposium  Invited Speaker  Invited Speaker  Invited Speaker  Invited Speaker	Bamfield Marine Station, BC Organizer for symposium on Connectivity: 11th International Coral Reef Symposium, Fort Lauderdale, FL NRDC-IEEP workshop on 'Meeting the Targets of Marine Protected Areas Networks', Brussels, Belgium ASAP 2008: Analogies in the evolution of gender expression and Sexual strategies in Animals and Plants Neuhausen auf den Fildern, Germany The Seventh William R. and Lenore Mote International Symposium in Fisheries Ecology, Sarasota, FL Multiscale Phenomena in Biology. OIST, Okinawa, Japan
2009	Invited Speaker Keynote Speaker  Invited Seminar Invited Seminar Workshop  Invited Seminar Invited Seminar	Workshop on MPA Process, Ijmuiden, Netherlands Australian Marine Sciences Association Conference 2009, Adelaide Australian Institute for Marine Sciences, Townsville Macquarie University, Sydney Temperate-Tropical Differences in Connectivity. ASIH meetings, Portland (co-organisers: J. Leis, J. Caselle). Scripps Institution of Oceanography Georgia Institute of Technology

**ROBERT R. WARNER**

**EXTRAMURAL GRANTS:**

National Geographic Society	Sex change in coral reef fishes	1976 \$6,500
National Science Foundation (with A. Ebeling)	Continued analysis of kelp-bed fish communities	1976-78 \$138,000
National Science Foundation	Using sex change to test hypotheses in life history and and behavior	1978-81 \$80,000
National Science Foundation	Behavioral and population ecology of coral reef fishes	1981-84 \$141,000
European Ichthyology Congress	Travel Grant	1982 \$650
International Ethological Congress	Travel Grant	1983 \$745
National Science Foundation	Behavioral and population ecology of coral reef fishes	1984-87 \$210,000
National Science Foundation	Selection for male traits and female preference in a coral reef fish	1987-90 \$252,000
National Science Foundation	Research experience for undergraduates in coral reef ecology	1989 \$8,000
National Science Foundation	Mating site determination and catastrophic change	1990 \$5,300
National Science Foundation	Mating group size and sex allocation	1991 \$7,500
NOAA	Recruitment limitation vs. density dependence in reef fish populations	1991-92 \$64,000
International Ethological Congress	Travel Grant	1991 \$475
National Science Foundation	Mate choice in the bicolor damselfish, <i>Stegastes partitus</i> .	1991-92 \$8770

**ROBERT R. WARNER****EXTRAMURAL GRANTS (Cont'd):**

National Science Foundation	Protandrous fishes as tests of sex allocation theory	1991-92 \$8500
National Science Foundation	Behavioral and population ecology of coral reef fishes	1992-95 \$200,000
National Science Foundation	Graduate Minority Fellowship Supplement to above grant	1993-96 \$62,000
National Science Foundation	Mating dynamics in a pelagically-spawning coral reef fish	1992-95 \$155,000
National Science Foundation	REU Supplement to the above grant	1994-95 \$5000
National Science Foundation	Gamete allocation in benthically-spawning reef-fishes	1994-96 \$15,000
International Conservation Society	Sources of recruitment in coral reef fishes	1995-96 \$2500
National Science Foundation	Interactions between reproductive strategies and mating system structure	1995-99 \$265,000
W. M. Keck Foundation	Coastal Research Initiative: New links between ocean physics and marine population dynamics (5 co-PIs)	1996-99 \$650,000
National Science Foundation	SGER: Using ICP-MS to detect sources of recruitment in marine fishes	1996-98 \$50,000
International Society for Reef Studies	Travel grant	1996 \$810
National Science Foundation	The effect of intra- and intersexual conflict on patterns of mating behavior (with S. Henson)	1997-99 \$10,000
Packard Foundation	Partnership for Interdisciplinary Studies of Coastal Oceans (8 co-PIs)	1999-04 \$17,800,000

ROBERT R. WARNER

EXTRAMURAL GRANTS (Cont'd):

Environmental Defense Fund	Can we design marine reserves to export larval fishes to surrounding populations? (with G. E. Forrester)	1999-01 \$15,000
National Science Foundation	NCEAS Sabbatical Fellowship: Open vs. Closed Marine Populations: Synthesis and Analysis of the Evidence	1999-00 \$70,000
California Sea Grant	Linking early fish growth and transport to circulation using otolith microstructure and microchemistry (with M. Love)	2001-02 \$95,000
UCOP Marine Council (CEQI)	Larval Pathways and Population Connectivity in Nearshore Marine Organisms (with S. Swearer)	2002-03 \$500,000
Center for Marine Conservation	Larval retention and Population Connectivity in the Galapagos Marine Reserve (with B. Ruttenberg)	2002-03 \$14,000
Packard Foundation	Communicating the Science of Marine Reserves (with J. Lubchenco, S. Gaines, S. Airamé, and B. Simler)	2002-2003 \$241,796
National Science Foundation	Coupled Physical-Human System Biocomplexity: Flow, Fish and Fishing: Disparate Scales of Process Make Nearshore Fishery Management a Difficult Task (5 co-Pis)	2003-2008 \$1,600,000
Packard Foundation	Partnership for Interdisciplinary Studies of Coastal Oceans (12 co-PIs)	2003-04 \$1,290,000
California Sea Grant	Use of natural tags in <i>Loligo opalescens</i> paralarvae to trace dispersal history (with J. Caselle)	2003-04 \$10,000
Australian Research Council	Discovery Grant: Do larval fish leave the reef to avoid parasites? (with A. Grutter, M. McCormick, A. Kuris)	2004-07 \$330,000

ROBERT R. WARNER

EXTRAMURAL GRANTS (Cont'd):

National Science Foundation	Collaborative Research: Tracking Invertebrate Larval Trajectories (with D. Zacherl, S. Gaines)	2004-2007 \$268,000
National Park Service	Larval retention, larval exchange and population connectivity in the Hawaiian Islands (with S. Hamilton, B. Ruttenberg)	2004-2005 \$20,000
Packard Foundation and Moore Foundation	Partnership for Interdisciplinary Studies of Coastal Oceans (12 co-PIs)	2004-09 \$24,500,000
UC Office of the President Marine Council (CEQI)	Defining the Extent of Larval Exchange Among Kelp Rockfish ( <i>Sebastes atrovirens</i> ) Populations Using Otolith Microchemistry	2005-06 \$30,000
University of Hawaii (NPS)	Larval Retention, Larval Exchange and Population Connectivity in the Hawaiian Islands	2005 \$7195
UC Office of the President Marine Council (CEQI)	Using Marine Protected Areas for Ecosystem-Based Management: Development and Implementation of Monitoring Programs in Kelp Forest Ecosystems. (4 co-PIs)	2006-08 \$500,000
National Geographic Society	Unexpected indirect consequences of predator removal on coral reef community structure (1 co-PI)	2006-07 \$18,000
National Science Foundation	Palmyra Atoll Research Coordination Network (PARCnet): Integrating Research for Coral Reef Ecosystem Science and Management (3 co-PIs)	2007-11 \$492,502
Chilean Foundation for Science (Fondecyt)	Can larval dispersal of <i>Concholepas concholepas</i> be estimated using the trace elemental signature present in their statolith? (3 co-PIs)	2008-2011

**ROBERT R. WARNER**

**PUBLICATIONS:**

1970 McGowan, J. A., M. A. Barnett, R. E. Davis, R. R. Warner, and M. E. Silver. The ecology and oceanography of sewer outfalls. S.I.O. ref. no. 70-18.

1973 Perrin, W. F., R. R. Warner, C. H. Fiscus, and D. B. Holts. Stomach contents of porpoise (*Stenella* spp.) and Yellowfin Tuna (*Thunnus albacares*) in mixed-species aggregations. Fish. Bull. 71:1077-1092.

1975 Warner, R. R. The reproductive biology of the protogynous hermaphrodite *Pimelometopon pulchrum* (Pisces: Labridae). Fish. Bull. 73:262-283.

Warner, R. R. The adaptive significance of sequential hermaphroditism in animals. Amer. Natur. 109:61-84.

Warner, R. R., D. R. Robertson, and E. G. Leigh, Jr. Sex change and sexual selection. Science 190:633-638.

1976 Leigh, E. G. Jr., E. Charnov, and R. R. Warner. Sex ratio, sex change, and natural selection. Proc. Nat. Acad. Sci. 73:3656-3660.

1977 Warner, R. R. and I. F. Downs. Comparative life histories: growth vs. reproduction in normal males and sex-changing hermaphrodites of the striped parrotfish, *Scarus croicensis*. Proc. Third Int. Coral Reef Symposium 275-281.

1978 McCosker, J. E., L. Taylor, and R. R. Warner. Ichthyological studies in the Galapagos. Noticias de Galapagos 27:13-15.

Warner, R. R. Patterns of sex and coloration in the Galapagos wrasses *Bodianus eclancheri* and *Pimelometopon darwini*. Noticias de Galapagos 27:16-18.

Warner, R. R. and D. R. Robertson. Sexual patterns in the labroid fishes of the Western Caribbean. I. The Wrasses (Labridae). Smithsonian Contributions to Zoology 254:1-27.

Robertson, D. R. and R. R. Warner. Sexual patterns in the labroid fishes of the Western Caribbean. II. The Parrotfishes (Scaridae). Smithsonian Contributions to Zoology 255:1-26.

Warner, R. R. The evolution of hermaphroditism and unisexuality in aquatic and terrestrial vertebrates. Pages 77-101 in E. Reese and F. J. Lighter, eds. Contrasts in behavior. Wiley-Interscience, N.Y.

Warner, R. Sexual-asexual evolutionary equilibrium? Amer. Natur. 112(987):960-962.

**ROBERT R. WARNER**

**PUBLICATIONS:** (Cont'd)

1980 Warner, R. The coevolution of behavioral and life history characteristics. Pages 151-188 in G. W. Barlow and J. Silverberg, eds. *Sociobiology: Beyond Nature - Nurture?* Westview Press, Boulder, Colorado.

Warner, R. R. and S. G. Hoffman. Local population size as a determinant of mating system and sexual composition in two tropical marine fishes (*Thalassoma* spp.) *Evolution* 34(3):508-518.

Warner, R. R. and S. G. Hoffman. Population density and the economics of territorial defense in a coral reef fish. *Ecology* 61(4):772-780.

1981 Chesson, P. and R. R. Warner. Environmental variability promotes coexistence in lottery competitive systems. *Amer. Natur.* 117:923-943.

Hoffman, S. G. and R. R. Warner. The cost of experience and the ontogeny of males under contest competition for mates. *Amer. Zoo.* 21:948. (Abstract)

1982 Warner, R. R. Mating systems, sex change and sexual demography in the rainbow wrasse, *Thalassoma lucasanum*. *Copeia* 1982(3):653-661.

Warner, R. R. and R. K. Harlan. Sperm competition and sperm storage as determinants of sexual dimorphism in the dwarf surfperch, *Micrometrus minimus*. *Evol.* 36(1):44-45.

Warner, R.R.. Metamorphosis. *Science* '82 3:42-46.

1983 Warner, R. R. Review of *Marine Ecology* by J. S. Levinton. *Quart. Rev. Biol.* 58:106-107.

1984 Warner, R. R. Deferred reproduction as a response to sexual selection in a coral reef fish: a test of the life historical consequences. *Evolution* 38:148-162.

Warner, R. R. Mating systems and hermaphroditism in coral reef fish. *Amer. Sci.* 72:128-136.

Warner, R. R. Population density, mating territoriality, and sex change in coral reef fishes. *Natl. Geographic Society Research Reports* 17:909-912.

Warner, R. R. Recent developments in the ecology of tropical reef fishes. *Arch. Fisch Wiss.* 35:43-53.

1985 Warner, R. R. and P. L. Chesson. Coexistence mediated by environmental variability: a field guide to the storage effect. *Amer. Natur.* 125:769-787.

**ROBERT R. WARNER**

**PUBLICATIONS:** (Cont'd)

- 1985 Hoffman, S. G., M. P. Schildhauer, and R. R. Warner. The costs of changing sex and the ontogeny of males under contest competition for mates. *Evolution* 39(4):915-927.
- Warner, R. R. and P. Lejeune. Sex change limited by paternal care: a test using four Mediterranean labrid fishes, genus *Symphodus*. *Mar. Biol.* 87:89-99.
- Warner, R. R. Alternative mating behaviors in a coral reef fish: a life-history analysis. *Proc. Fifth Int. Coral Reef Congress* 4:145-150.
- 1986 Warner, R. R. The environmental correlates of female infidelity in a coral reef fish. In: *Indo-Pacific Fish Biology: Proceedings of the Second International Conference on Indo-Pacific Fishes*. (T. Uyeno, R. Arai, T. Taniuchi, and K. Matsuura, eds.) pp. 803-810. Ichthyological Society of Japan, Tokyo.
- 1987 Warner, R.R. Female choice of sites versus males in a coral reef fish, *Thalassoma bifasciatum*. *Anim. Behav.* 35:1470-1478.
- 1988 Warner, R.R. Boys will be boys - or girls. *Natural History* 97:76-77.
- Warner, R.R. Sex change in fishes: hypotheses, evidence, and objections. *Env. Biol. Fishes* 22:81-90.
- Warner, R.R. Sex change and the size advantage model. *Trends in Ecology and Evolution* 3:133-136.
- Warner, R.R. Traditionality of mating-site preferences in a coral-reef fish. *Nature* 335:719-721.
- Warner, R.R. and T.P. Hughes. The population dynamics of reef fishes. *Proc. Sixth Int. Coral Reef Congress* 1:149-155.
- 1989 van den Berghe, E.P. and R.R. Warner. The effects of mating system on male mate choice in a coral reef fish. *Behavioral Ecology and Sociobiology* 24:409-415.
- Schultz, E.T. and R.R. Warner. Phenotypic plasticity in life-history traits of female *Thalassoma bifasciatum* (Pisces:Labridae) I. Manipulations of social structure in tests for adaptive shifts of life history allocations. *Evolution* 43:1497-1506.
- R.R. Warner. Inapplicability of the size advantage model to coral reef fishes - reply. *Trends in Ecology and Evolution* 4:272-273.

**ROBERT R. WARNER**

**PUBLICATIONS:** (Cont'd)

- 1989 van den Berghe, E.P., F. Wernerus and R.R. Warner. Female choice and the mating cost of peripheral males. *Animal Behaviour* 38:875-884.
- 1990 Warner, R.R. Resource assessment vs. traditionality in mating site determination. *American Naturalist* 135: 205-217
- Warner, R. R. Male vs. female influences on mating site determination. *Animal Behaviour* 39: 540-548.
- 1991 Warner, R. R. The use of phenotypic plasticity in coral reef fishes as tests of theory in evolutionary ecology. pp 387-398. In: *The Ecology of Coral Reef Fishes* (P. Sale, ed.). Academic Press
- Schultz, E.T., L.G. Clifton and R.R. Warner. Constraints versus tactics: the adaptive significance of breeding schedule variation in a marine fish (Embiotocidae: *Micrometrus minimus*). *American Naturalist* 138: 1408-1430.
- Schultz, E.T. and R.R. Warner. Phenotypic plasticity in life-history traits of female *Thalassoma bifasciatum* (Pisces:Labridae) II. Correlation of fecundity and growth rate in comparative studies. *Environmental Biology of Fishes* 30: 333-344
- Warner, R. R., and S. Swearer. Social control of sex change in the bluehead wrasse, *Thalassoma bifasciatum* (Pisces: Labridae). *Biological Bulletin* 181: 199-201.
- Knapp, R. A., and R. R. Warner. Male parental care and female choice in the bicolor damselfish *Stegastes partitus*: bigger is not always better. *Animal Behaviour* 41: 747-756.
- 1992 Warner, R. R., and E. T. Schultz. Sexual selection and male characteristics in the bluehead wrasse, *Thalassoma bifasciatum* : mating site acquisition, mating site defense, and female choice. *Evolution* 46: 1421-1442.
- Petersen, C. W., R. R. Warner, S. Cohen, H. C Hess, and A. T. Sewell. Variation in pelagic fertilization success: implications for production estimates, mate choice, and the spatial and temporal distribution of spawning. *Ecology* 73: 391-401.
- 1995 Warner, R. R., F. Wernerus, P. Lejeune, and E. P. van den Berghe. Dynamics of female choice for parental care in a species where care is facultative. *Behavioral Ecology* 6: 73-81

**ROBERT R. WARNER**

**PUBLICATIONS:** (Cont'd)

- 1995 Dunham, M. L., R. R. Warner, and J. Lawson. The dynamics of territory acquisition: a model of two coexisting strategies. *Theoretical Population Biology* 47: 347-364.
- Warner, R. R. Large mating aggregations and daily long-distance spawning migrations in the bluehead wrasse, *Thalassoma bifasciatum*. *Environmental Biology of Fishes* 44: 337-345
- Warner, R. R., A. Marconato, D. Y. Shapiro, and C. W. Petersen. Sexual conflict: males with highest mating success convey the lowest fertilization benefits to females. *Proc. Roy. Soc. B* 262:135-139.
- 1996 Warner, R. R., D. E. Fitch, and J. Standish. Social control of sex change in the shelf limpet, *Crepidula norrisiarum*: size-specific responses to local group composition. *J. Exp. Marine Biol. Ecol.* 204: 155-167
- Godwin, J., R. Sawby, R. R. Warner, D. Crews, and M. S. Grober. Adult sex reversal is associated with changes in AVT mRNA expression in the preoptic area. *Society for Neurosciences Abstracts* 22: 298.
- Godwin, J., D. Crews, and R. R. Warner. Behavioural sex change in the absence of gonads in a coral-reef fish. *Proceedings of the Royal Society B* 263: 1683-1688.
- Caselle, J. E., and R. R. Warner. Variability in recruitment in coral reef fishes: importance of habitat at large and small spatial scales. *Ecology* 77: 2488-2504
- 1997 Barrett, H. C., and R. R. Warner. Female influences on male reproductive success. Pp 334-350 In: *Feminism and Evolutionary Biology* (P. Gowaty, ed.), Chapman and Hall, New York.
- Warner, R. R. Evolutionary ecology: how to reconcile pelagic dispersal with local adaptation. *Coral Reefs* 16S: s115-128. (Also appeared in *Proc. 8th International Coral Reef Congress* 1: 75-79)
- Warner, R. R. Sperm allocation in coral reef fishes. *BioScience* 47: 561-564.
- Henson, S., and R. R. Warner. Male and female alternative reproductive behaviors in fishes: a new approach using intersexual dynamics. *Annual Review of Ecology and Systematics* 28: 571-592
- Marconato, A., D. Y. Shapiro, C. W. Petersen, R. R. Warner, and T. Yoshikawa. Methodological analysis of fertilization rate in the bluehead wrasse, *Thalassoma bifasciatum* : pair versus group spawns. *Marine Ecology Progress Series* 161:61-70.

**ROBERT R. WARNER**

**PUBLICATIONS:** (Cont'd)

- 1997 Henson, S A., and R. R. Warner. The effect of conflict within and between the sexes on reproductive behaviour. p. 234 In Taborsky, M. and B. Taborsky (Eds.). *Advances in Ethology*, 32. Contributions to the XXV International Ethological Conference. vii+323p. Blackwell Wissenschafts-Verlag GmbH: Berlin, Germany.
- 1998 Petersen, C. W., and R. R. Warner. Sperm competition and sexual selection in fishes. Pp 435-463 In: *Sperm competition and sexual selection* (T. R. Birkhead and A. P. Møller, eds.) Academic Press.
- Wooninck, L., J. E. Strassman, D. C. Queller, R. Fleischer, and R. R. Warner. Characterization of hypervariable microsatellite markers in the bluehead wrasse, *Thalassoma bifasciatum*. *Molecular Ecology* 7:1613-1614.
- Warner, R. R. The role of extreme iteroparity and risk-avoidance in the evolution of mating systems. *Journal of Fish Biology* 53(Supp A):82-93.
- 1999 S. E. Swearer, J. E. Caselle, D. W. Lea, and R. R. Warner. Larval retention and recruitment in an island population of a coral-reef fish. *Nature* 402: 799-802.
- Alonzo, S. H., and R. R. Warner. A trade-off generated by sexual conflict: Mediterranean wrasse males refuse present mates to increase future success. *Behavioral Ecology* 10:105-111.
- Luttbeg, B., and R. R. Warner. Flexible reproductive decision making: environments that favor using prior experience to make decisions. *Behavioral Ecology* 10: 666-674
- 2000 Alonzo, S. H. and R. R. Warner. Female choice, conflict between the sexes, and the evolution of male alternative reproductive behaviours. *Evolutionary Ecology Research* 2: 149-170
- Alonzo, S. H. and R. R. Warner. Dynamic games and field experiments examining intra- and inter-sexual conflict: explaining counter-intuitive mating behavior in a Mediterranean wrasse, *Symphodus ocellatus*. *Behavioral Ecology* 11: 56-70
- Warner, R. R., S. E. Swearer, and J. E. Caselle. Larval accumulation and retention: implications for the design of marine reserves and essential fish habitat. *Bulletin of Marine Science* 66: 821-830
- Warner, R. R., and L. M. Dill. Courtship displays and coloration as indicators of safety rather than of male quality: the safety assurance hypothesis. *Behavioral Ecology* 11: 444-451

ROBERT R. WARNER

PUBLICATIONS: (Cont'd)

- 2000 Godwin, J., R. Sawby, R. R. Warner, D. Crews, and M. S. Grober. Hypothalamic arginine vasotocin mRNA abundance variation across the sexes and within sex change in a coral reef fish. *Brain Behavior And Evolution* 55: 77-84.
- Wooninck, L., R. R. Warner, and R. Fleischer. Relative fitness components measured with competitive PCR. *Molecular Ecology* 9: 1409-1414
- Alonzo, S. H. and R. R. Warner. Allocation to mate-guarding or increased sperm production in a Mediterranean wrasse. *American Naturalist* 156:266-275
- 2001 C. W. Petersen, R. R. Warner, D. Y. Shapiro, and A. Marconato. Components of fertilization success in the bluehead wrasse, *Thalassoma bifasciatum*. *Behavioral Ecology* 12: 237-245.
- C. M. Roberts, B. Halpern, S. R. Palumbi, and R. R. Warner. Designing marine reserve networks: why small, isolated protected areas are not enough. *Conservation Biology in Practice* 2: 11 – 17.
- J. B. C. Jackson, M. X. Kirby, W. H. Berger, K. A. Bjorndal, L. W. Botsford, B. J. Bourque, R. Bradbury, R. Cooke, J. A. Estes, T. P. Hughes, S. Kidwell, C. B. Lange, H. S. Lenihan, J. M. Pandolfi, C. H. Peterson, R. S. Steneck, M. J. Tegner, and R. R. Warner. Historical overfishing and the recent collapse of coastal ecosystems. *Science* 293: 629 - 638.
- Warner, R. R., M. Carr, C. Syms, S. Morgan, P. Dayton, and S. Aïramé. Analysis and Evaluation of the Draft Marine Protected Area Network for California State Waters. Technical Report for the Natural Resources Defense Council and the World Wildlife Fund. San Francisco, California.
- 2002 Halpern, B., and R. R. Warner. Marine reserves have rapid and lasting effects. *Ecology Letters* 5: 361-366.
- Warner, R. R. Synthesis: Environment, mating systems, and life-history allocations in the bluehead wrasse. Pp. 227-244 In: *Model Systems in Behavioral Ecology* (L. Dugatkin, ed.) Princeton University Press, Princeton, N.J.
- Petersen, C. W., and R. R. Warner. The reproductive behavior of coral reef fishes in an ecological context. Pp. 103-118 In: *Coral Reef Fishes: New Insights into their Ecology* (Peter F. Sale, ed.) Academic Press, San Diego
- Warner, R. R. and R. K. Cowen. Local retention of production in marine populations: evidence, mechanisms, and consequences. *Bulletin of Marine Science* 70: 245-249.

ROBERT R. WARNER

PUBLICATIONS: (Cont'd)

- 2002 Swearer, S. E., J. S. Shima, M. E. Hellberg, S. R. Thorrold, G. P. Jones, D. R. Robertson, S. G. Morgan, K. A. Selkoe, G. M. Ruiz, and R. R. Warner. Evidence of self-recruitment in demersal marine populations. *Bulletin of Marine Science* 70: 251-271.
- Thorrold, S. R., G. P. Jones, M. E. Hellberg, R. S. Burton, S. E. Swearer, J. E. Neigel, S. G. Morgan, and R. R. Warner. Quantifying larval retention and connectivity in marine populations with artificial and natural markers. *Bulletin of Marine Science* 70: 291-308.
- Strathmann, R. R., T. P. Hughes, A. M. Kuris, K. C. Lindeman, S. G. Morgan, J. M. Pandolfi, and R. R. Warner. Evolution of self-recruitment and its consequences for marine populations. *Bulletin of Marine Science* 70:377-396.
- Halpern, B., R. R. Warner, and S. Gaines. Letter to the editor in response to "Measuring effects of marine reserves on fisheries: the dilemmas of experimental programs." *MPA News* 4:5
- Lubchenco, J., S. D. Gaines, R. R. Warner, S. Airame, and B. Simler. *The Science of Marine Reserves. Partnership for the Interdisciplinary Study of Coastal Oceans*, 22 p booklet.
- Lubchenco, J., S. D. Gaines, R. R., Warner, S. Airame, and B. Simler. *The Science of Marine Reserves*. Video, Sea Studios, Monterey, CA.
- 2003 Palumbi, S. R., and R. R. Warner. Why gobies are like hobbits. *Science* 299:51-52.
- Zacherl, D. C., P. H. Manríquez, G. Paradis, R. W. Day, J. C. Castilla, R. R. Warner, D. W. Lea, and S.D. Gaines. Trace elemental fingerprinting of gastropod statoliths to study larval dispersal trajectories. *Marine Ecology Progress Series*. 248: 297–303
- Carr, M., J. Neigel, J. Estes, S. Andelman, R. R. Warner, and J. Largier. Comparing marine and terrestrial ecosystems: implications for the design of coastal marine reserves. *Ecological Applications* 13 (Supp.): S90-S107.
- Roberts, C., S. Andelman, G. Branch, R. Bustamante, J. C. Castilla, J. Dugan, B. Halpern, K. Lafferty, H. Leslie, J. Lubchenco, D. McArdle, H. Possingham, M. Ruckelshaus, and R. R. Warner. Ecological criteria for evaluating candidate sites for marine reserves. *Ecological Applications* 13 (Supp.): S199-S214.

ROBERT R. WARNER

PUBLICATIONS: (Cont'd)

- 2003 Roberts, C., G. Branch, R. Bustamante, J. C. Castilla, J. Dugan, B. Halpern, K. Lafferty, H. Leslie, J. Lubchenco, D. McArdle, M. Ruckelshaus, and R. R. Warner. Application of ecological criteria in selecting marine reserves and developing reserve networks. *Ecological Applications* 13 (Supp.): S215-S228.
- Airamé, S., J. E. Dugan, K. D. Lafferty, H. M. Leslie, D. A. McArdle, and R. R. Warner. Applying ecological criteria to marine reserve design: a case study from the California Channel Islands. *Ecological Applications* 13 (Supp.): S170-S184.
- Caselle, J. E., S. L. Hamilton, and R. R. Warner. The interaction of retention, recruitment, and density-dependent mortality in the spatial placement of marine reserves. *Gulf and Caribbean Research* 14: 107-118.
- Palumbi, S.R., S. D. Gaines, H. Leslie, and R. R. Warner. New wave: high-tech tools to help marine reserve research. *Frontiers in Ecology and the Environment* 1:73-79.
- Muñoz, R. C., and R. R. Warner. A new version of the size-advantage hypothesis for sex change: incorporating sperm competition and size-fecundity skew. *American Naturalist* 161: 749-761.
- Warner, R.R., and S. R. Palumbi. Larvae retention: Genes or oceanography? *Response. Science* 300: 1658.
- Pandolfi, J. M., R. H. Bradbury, E. Sala, T. P. Hughes, K. A. Bjorndal, R. G. Cooke, D. McArdle, L. McClenachan, M. J. H. Newman, G. Paredes, R. R. Warner, and J. B. C. Jackson. Global trajectories of the long-term decline of coral reef ecosystems. *Science* 301: 955-958. DOI 10.1126/science.1085706.
- Halpern, B., and R. R. Warner. Matching marine reserve design to reserve objectives. *Proceedings of the Royal Society B* 270:1871-1878. DOI 10.1098/rspb.2003.2405.
- Pandolfi, J. M., R. H. Bradbury, E. Sala, T. P. Hughes, K. A. Bjorndal, R. G. Cooke, D. McArdle, L. McClenachan, M. J. H. Newman, G. Paredes, R. R. Warner, and J. B. C. Jackson. Causes of coral reef degradation: response. *Science* 302: 1503-1503.
- Muñoz, R. C., and R. R. Warner. Alternative contexts of sex change with social control the bucktooth parrotfish, *Sparisoma radians*. *Environmental Biology of Fishes* 68: 307-319.

ROBERT R. WARNER

PUBLICATIONS: (Cont'd)

- 2003 Love, M. S., R. R. Warner, and L. Washburn. Linking early fish growth and transport to circulation using otolith microstructure and microchemistry. California Sea Grant College Program, Research Completion Reports. Paper Coastal 03 02. [http://repositories.cdlib.org/csgc/rcr/Coastal03\\_02](http://repositories.cdlib.org/csgc/rcr/Coastal03_02)
- 2004 Halpern, B., R. R. Warner, and S. D. Gaines. Moving the discussion about marine reserve science forward. *MPA News* 5(7): 1-2.
- Muñoz, R. C., and R. R. Warner. Testing a new version of the size-advantage hypothesis for sex change: sperm competition and size-skew effects in the bucktooth parrotfish, *Sparisoma radians*. *Behavioral Ecology* 15: 129-136. DOI 10.1093/beheco/arg086.
- Buston, P. M., P. L. Munday, and R. R. Warner. Sex change and relative body size in animals. *Nature* 428 (6983) doi:10.1038/nature02512.
- Halpern, B., S. D. Gaines, and R. R. Warner. Confounding effects of the export of production and the displacement of fishing effort from marine reserves. *Ecological Applications* 14: 1248–1256.
- Adreani, M. S., B. E. Erisman, and R. R. Warner. Observations of courtship behavior and spawning in the California sheephead, *Semicossyphus pulcher* (Pisces: Labridae). *Environmental Biology of Fishes* 71: 13–19
- Micheli, F., B. S. Halpern, L. W. Botsford, and R. R. Warner. Trajectories and correlates of community change in no-take marine reserves. *Ecological Applications* 14: 1709–1723
- 2005 Halpern, B., S. D. Gaines, and R. R. Warner. Habitat size, recruitment, and longevity as factors limiting population size in stage-structured species. *American Naturalist* 165: 82–94.
- Ruttenberg, B. I., S. L. Hamilton, M. J. H. Hickford, G. L. Paradis, M. S. Sheehy, J. D. Standish, O. Ben-Tzvi, and R. R. Warner. Elevated levels of trace elements in cores of otoliths and their potential for use as natural tags. *Marine Ecology Progress Series* 297: 273–281.
- Warner, R. R., S. E. Swearer, J. E. Caselle, M. Sheehy, and G. Paradis. Natal trace-elemental signatures in the otoliths of an open-coast fish. *Limnology and Oceanography* 50: 1529–1542.
- Stoms, D. M., F. W. Davis, S. J. Andelman, M. H. Carr, S. D. Gaines, B. S. Halpern, R. Hoenicke, S. G. Leibowitz, A. Leydecker, E. M. P. Madin, H. Tallis, and R. R. Warner. Integrated coastal reserve planning: making the land-sea connection. *Frontiers in Ecology and the Environment* 3(8): 429–436

ROBERT R. WARNER

**PUBLICATIONS: (Cont'd)**

- 2005 Ruttenberg, B. I., A. J. Haupt, A. I. Chiriboga, and R. R. Warner. Patterns, causes and consequences of regional variation in the ecology and life-history of a reef fish. *Oecologia* 145: 394–403. DOI 10.1007/s00442-005-0150-0\
- 2006 Hamilton, S. L, J. W. White, J. E. Caselle, S. E. Swearer, and R. R. Warner. Consistent long-term spatial gradients of population replenishment for an island population of a coral reef fish. *Marine Ecology Progress Series* 306: 247–256.
- Munday, P. L., P. M. Buston, and R. R. Warner. Diversity and flexibility of sex change strategies in animals. *Trends in Ecology and Evolution* 21: 89-95.
- Munday, P. L., J. W. White, and R. R. Warner. A social basis for the development of primary males in a sex-changing fish. *Proceedings of the Royal Society B* 273: 2845-2852. doi:10.1098/rspb.2006.3666
- Selkoe, K. A., S. D. Gaines, J. E. Caselle, and R. R. Warner. Current shifts and kin aggregation explain genetic patchiness in fish recruits. *Ecology* 87: 3082-3094.
- Ruttenberg, B. I. and R. R. Warner. Spatial variation in the chemical composition of natal otoliths from a reef fish in the Galápagos Islands. *Mar. Ecol. Prog. Series*. 328: 225–236
- 2007 White, J.W., and R. R. Warner. Behavioral and energetic costs of group membership in a coral reef fish. *Oecologia* 154:423–433. DOI 10.1007/s00442-007-0838-4
- White, J. W., C. Grigsby, and R. R. Warner. Cleaning behavior is riskier and less profitable than an alternative strategy for a facultative cleaner fish. *Coral Reefs* 26: 87-94. DOI 10.1007/s00338-006-0161-2
- White, J.W., and R. R. Warner. Safety in numbers and the spatial scaling of density dependent mortality in a coral reef fish. *Ecology* 88: 3044-3054
- Lubchenco, J., S. Gaines, K. Grorud-Colvert, S. Airame, S. Palumbi, R. R. Warner, and B. S. Smith. *The Science of Marine Reserves (2<sup>nd</sup> edition, United States Version)*. Partnership for Interdisciplinary Studies of Coastal Oceans. [www.piscoweb.org](http://www.piscoweb.org). 22 pages.
- Lubchenco, J., S. Gaines, K. Grorud-Colvert, S. Airame, S. Palumbi, R. R. Warner, and B. S. Smith. *The Science of Marine Reserves (2<sup>nd</sup> edition, International Version)*. Partnership for Interdisciplinary Studies of Coastal Oceans. [www.piscoweb.org](http://www.piscoweb.org). 22 pages.

ROBERT R. WARNER

**PUBLICATIONS: (Cont'd)**

- 2007 Lubchenco, J., S. Gaines, K. Grorud-Colvert, S. Airame, S. Palumbi, R. R. Warner, and B. S. Smith. The Science of Marine Reserves (2<sup>nd</sup> edition, Latin America and the Caribbean). Partnership for Interdisciplinary Studies of Coastal Oceans. [www.piscoweb.org](http://www.piscoweb.org). 22 pages.
- Lubchenco, J., S. Gaines, K. Grorud-Colvert, S. Airame, S. Palumbi, R. R. Warner, and B. S. Smith. La Ciencia de las Reservas Marinas (2<sup>ndo</sup> edición, Versión para Latinoamérica y el Caribe). Partnership for Interdisciplinary Studies of Coastal Oceans. [www.piscoweb.org](http://www.piscoweb.org). 22 pages.
- Warner, R. R., and R. C. Muñoz. Needed: a dynamic approach to understand sex change. *Animal Behaviour* 75: e11- e14. doi:10.1016/j.anbehav.2007.10.013
- 2008 Hamilton, S. L., J. Regetz, and R. R. Warner. Postsettlement survival linked to larval life in a marine fish *PNAS* 105 (5): 1561–1566  
[www.pnas.org/cgi/doi/10.1073/pnas.0707676105](http://www.pnas.org/cgi/doi/10.1073/pnas.0707676105)
- Lloyd, D. C., D. C. Zacherl, S. Walker, G. Paradis, M. Sheehy, and R. R. Warner. Egg source, temperature and culture seawater affect elemental signatures in *Kelletia kelletii* larval statoliths. *Marine Ecology Progress Series* 353: 115–130. doi: 10.3354/meps07172
- Ruttenberg, B. I., S. L. Hamilton, and R. R. Warner. Spatial and temporal variation in the chemical signatures of natal otoliths in a Hawaiian reef fish: prospects for measuring population connectivity. *Canadian Journal of Fisheries and Aquatic Sciences* 65: 1181-1192. doi 10.1139/F08-052
- Siegel, D. A., S. Mitarai, C. J. Costello, S. D. Gaines, B. E. Kendall, R. R. Warner, and K. B. Winters. The stochastic nature of larval connectivity among nearshore marine populations. *PNAS* 105 (26): 8974–8979.  
<http://www.pnas.org/cgi/doi/10.1073/pnas.0802544105>
- Standish, J. D., M. Sheehy, and R. R. Warner. Use of otolith natal element signatures as natural tags to evaluate connectivity among open-coast fish populations. *Marine Ecology Progress Series* 356: 259-268  
doi: 10.3354/meps07244
- Warner, R. R., and F. C. Coleman. Life history in fisheries ecology and management. *Bulletin of Marine Science* 83: 1-4.
- Coleman, F. C., and R. R. Warner, editors. Proceedings of the Sixth William R. and Lenore Mote International Symposium in Fisheries Ecology: Life history

**ROBERT R. WARNER**

in fisheries ecology and management. *Bulletin of Marine Science* vol. 83: 1-273.

**PUBLICATIONS: (Cont'd)**

- 2008 White, J. W., J. D. Standish, S. R. Thorrold, and R. R. Warner. Markov chain–Monte Carlo methods for assignment of natal origins and mixed-stock analysis using natural geochemical tags. *Ecological Applications* 18(8):1901-13.
- 2009 Zacherl, D. C., S. G. Morgan, S. E. Swearer, and R. R. Warner. A shell of its former self: Can *Ostrea lurida* Carpenter 1864 larval shells reveal information about a recruit's birth location? *Journal of Shellfish Research* 28(1): 23-32.
- Hechinger, R. F., K. D. Lafferty, F. T. Mancini III, R. R. Warner, and A. M. Kuris. How large is the hand inside the puppet? Ecological and evolutionary factors affecting body mass of 15 trematode species that castrate the estuarine snail, *Cerithidea californica*. *Evolutionary Ecology* 23:651–667. DOI 10.1007/s10682-008-9262-4  
<http://www.springerlink.com/content/p7kl861242wh3121/fulltext.pdf>
- Lester, S. E., B.S. Halpern, K. Grorud-Colvert, J. Lubchenco, B. I. Ruttenberg, S. D. Gaines, S. Airamé, and R. R. Warner. Biological effects within no-take marine reserves: a global synthesis. *Marine Ecology Progress Series* 384:33–46. doi: 10.3354/meps08029.
- Warner, R. R., S. L. Hamilton, M. S. Sheehy, L. D. Zeidberg, B. C. Brady, and J. E. Caselle. Geographic variation in natal and early larval trace-elemental signatures in the statoliths of the market squid, *Doryteuthis* (formerly *Loligo*) *opalescens*. *Marine Ecology Progress Series* 379:109-121.
- Hamilton, S. L., and R. R. Warner. Otolith elemental profiles of barium verify the timing of settlement in a coral reef fish. *Marine Ecology Progress Series* 385: 237-244.
- Fontes, J., J. Caselle, M. S. Sheehy, R. S. Santos, and R. R. Warner. Natal signatures of juvenile *Coris julis* in the Azores: investigating connectivity scenarios in an oceanic archipelago. *Marine Ecology Progress Series* 387: 51-59. doi: 10.3354/meps08116
- Pelc, R. A., R. R. Warner, and S. D. Gaines. Geographic patterns of genetic structure in coastal marine species. *Journal of Biogeography* 36: 1881-1890 .

## **ROBERT R. WARNER**

### **In Press**

Warner, R. R. Reproductive Behavior in Sex Changing Organisms. Encyclopedia of Animal Behavior (Michael Breed and Janice Moore, eds.)

### **In Press, cont.**

Pelc, R. A., M. L. Baskett, T. Tanci, S. D. Gaines, and R. R. Warner. The spatial scale of larval spillover from marine reserves. Marine Ecology Progress Series.

J. E. Caselle, B. P. Kinlan, and R. R. Warner. Temporal and spatial scales of influence on near-shore fish settlement in the Southern California Bight. Bulletin of Marine Science.

### **Submitted**

Mitarai, S., D. A. Siegel, R. R. Warner, and K. B. Winters. Scaling of larval dispersal in the coastal ocean. Limnology and Oceanography.

Mitarai, S., D. A. Siegel, R. R. Warner, and K. B. Winters. Role of fish larval behavior in determining connectivity among nearshore marine habitats. Marine Ecology Progress Series.

Hamilton, S. L., J. W. White, and R. R. Warner. Spatial variation in density dependence mediates the outcome of selective mortality in a coral reef fish. Ecological Monographs.

Madin, E., S. D. Gaines, and R. R. Warner. Fishing indirectly structures macroalgal assemblages by altering herbivore behavior. American Naturalist.

Marshall, D. J., S. S. Heppell, S. B. Munch, and R. R. Warner. The relationship between maternal phenotype and offspring quality: Do older mothers really produce the best offspring? Ecology.

Pelc, R.A., R.R. Warner, S.D. Gaines, and C. Paris. Detecting larval export from marine reserves. PNAS.

E. M. P. Madin, S. D. Gaines, J. S. Madin, A. Link, P. J. Lubchenco, R. L. Selden, and R. R. Warner. Trajectories of reef decline & recovery: herbivore behavioral responses to human-altered predation risk. Ecological Applications.

Nishimoto, M. M., L. Washburn, R. R. Warner, and M. Love. Otolith elemental signatures reflect residency in coastal water masses. Environmental Biology of Fishes.

**ROBERT R. WARNER**