

CURRICULUM VITAE

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and

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EDUCATION

- Ph.D. Department of the Geophysical Sciences, University of Chicago, 1978. *Intra-specific variability and its ecological consequences in the reef coral *Montastrea cavernosa*.*
- M.S. Department of Geological Sciences, University of Rochester, 1973.
- B.S. Biology/Geology, University of Rochester - with distinction, 1972.

PROFESSIONAL EXPERIENCE

- 2007-present Professor, Department of Geology, University at Buffalo, State University of New York
- 2006-2013/
2016-2018 Director, Graduate Program in Evolution, Ecology and Behavior, University at Buffalo
- 2007-present Adjunct Professor, Department of Biological Sciences, University at Buffalo, State University of New York
- 1994 -2006 Professor, Department of Biological Sciences, University at Buffalo, State University of New York
- 1997-2009 Research Associate, Smithsonian Tropical Research Institute
- 1986-1994 Associate Professor, Department of Biological Sciences, University at Buffalo, State University of New York
- 1979-1986 Assistant Professor, Department of Biological Sciences, University at Buffalo, State University of New York
- 1985 Visiting Scientist, Australian Institute of Marine Science.
- 1978 - 1996 Visiting researcher, Smithsonian Tropical Research Institute (1976-1998, summer field research; 1990-1991 sabbatical leave)
- 1978-1979 Postdoctoral Fellow, Rosenstiel School of Marine and Atmospheric Science, University of Miami.
- 1976-1978 Teaching Assistant, Department of Geophysical Sciences, University of Chicago.

AWARDS

- 1978-1979 Rosenstiel Post-Doctoral Fellowship, University of Miami.
- 1975-1976 Department of Geophysical Sciences Fellowship, University of Chicago.
- 1975 Doherty Fellowship, Smithsonian Tropical Research Institute.
- 1974-1975 Salisbury Fellowship, University of Chicago.
- 1973-1974 N.S.F. Traineeship, Department of Geophysical Sciences, University of Chicago.

PROFESSIONAL ACTIVITIES

- American Society of Naturalists
Society of Integrative and Comparative Biology

Division of Ecology and Evolution, Chair, 1995-1996;
Publications Committee 1997-2003; Nominations Committee, 2006;
Inter-society Joint Working Group on Data Sharing and Archiving, 2004-2006

Ecological Society of America

International Society for Reef Studies

Coral Reefs Editor in Chief (2013-2017)

Coral Reefs Editorial Board: (1997-2000, 2007-2013)

Coral Reefs Biological Editor (2001-2006)

American Microscopical Society

Reviewer for: National Geographic Society, National Science Foundation (Biological Oceanography and International Programs), National Undersea Research Program, National Coral Reef Institute, National Institutes of Health, Israel Academy of Sciences, *American Naturalist*, *Coral Reefs*, *Biological Bulletin*, *Bulletin of Marine Science*, *Ecology*, *eLife*, *Hydrobiologia*, *Journal of Experimental Marine Biology and Ecology*, *Marine Biology*, *Marine Ecology Progress Series*, *Limnology and Oceanography*, *Molecular Ecology*, *Nature*, *Oecologia*, *Science*, *Proceeding of the National Academy of Sciences*, *Zoological Journal of the Linnean Society*

Panel Reviewer

National Science Foundation. May 2010, May 2012.

National Undersea Research Program. Caribbean Marine Research Institute. October 1992.

National Undersea Research Program. Aquarius development grants review. June, 1993.

National Undersea Research Program. Caribbean Marine Research Institute. October 1993.

Other:

Keystone Symposium - Molecular Approaches to Marine Ecology and Evolution March 5-11, 1995 - Co-organizer with M.A. Coffroth and E. Bermingham.

New Jersey State Aquarium, Camden New Jersey. Coral Reef Exhibit advisory committee, 1992.

Symposium on Coral Reef Responses to Global Change: the Role of Adaptation. 1998 Annual Meeting of the Society for Integrative and Comparative Biology. (co-organizer with R. Buddemeier)

Associate Member, Working Group 104, Scientific Committee on Oceanic Research Coral Reef Responses to Global Change: the Role of Adaptation.

TEACHING EXPERIENCE

Courses Taught: Bio 200 - Evolutionary Biology
Geology 309 - Ecology
Bio 310 - Ecology Laboratory
Bio 317 - Invertebrate Zoology
Geology 507 - Advanced Ecology
Geology 511 – Tropical Marine Ecology
Geology 512 – Field Course in Tropical Marine Ecology
Bio 514 - Topics in Advanced Ecology (Spring 1999- Experimental Design)
Bio 548 - Ecology - Limnology Seminar
Geology 555 - Evolutionary Biology Colloquium

POST-DOCTORAL SUPERVISION

1994-1996 Rafel Coma, University of Barcelona (Foreign Study Fellowship, Spanish Ministry of Education and Science)

2005 Stefano Goffredo, University of Bologna, sabbatical visitor

GRADUATE RESEARCH SUPERVISION

| | |
|------------|--|
| 1979-1984 | William S. Clayton, Jr. - Ph.D. 1984 |
| 1986-1988 | Hilary V. Vreeland - M.S. 1988 |
| 1984-1989 | Daniel A. Brazeau - Ph.D. 1989 |
| 1991-1996 | Kiho Kim - Ph.D., 1996 |
| 1994-1997 | Elizabeth A. Beiring - Ph.D., 1997 |
| 1995-1998 | Walter Kapela - M.S., 1998 |
| 1998-2000 | Michael Boller - M.S. 2000 |
| 1997-2002 | Carla Gutierrez-Rodriguez (Fulbright Fellow – Ph.D., 2002) |
| 1998-2002 | Juan Sanchez (Fulbright Fellow - Ph.D., 2002) |
| 2000-2001 | John Castenaro (M.A., 2001) |
| 2000- 2008 | Marcos Barbeitos (Brazilian CNBq Fellow - Ph.D. 2008) |
| 2004-2006 | Jennifer Jamison – M.S., 2006 |
| 2005 -2007 | Katherine Bala – M.S. 2007 |
| 2005-2008 | Meghan Balling – M.S. 2008 |
| 2007-2008 | Joseph Carlo – M.S. 2008 |
| 2007-2009 | Kelly Duncan – M.S. 2009 |
| 2008-2010 | Elizabeth Mclean –M.S. 2010 |
| 2009 -2011 | Everton Joseph – M.S. 2011 |
| 2009-2011 | Christopher Page –M.S.2011 |
| 2009-2011 | Michael Evans – M.S. 2011 |
| 2011-2013 | Vanessa Smilansky – M.S. 2013 |
| 2013-2015 | Bonnie Gambrel, M.S. 2015 |
| 2011- | Isabel Porto Hannes – Ph.D. 2018 |
| 2011- | Marcio Coelho – Ph. D. 2018 |
| 2015- | Angela Martinez Quintana – Ph.D. student |
| 2015- | Jacqueline Krawiecki, - M.S. Student |

UNDERGRADUATE RESEARCH SUPERVISION

1980-present 46 student projects

UNIVERSITY SERVICE

Chair, University at Buffalo Scientific Diving Control Board (2001-present)
Ecosystem Restoration through Interdisciplinary Exchange IGERT, steering committee (2008-2013)
Ecology and Society Institute, Steering Committee (1998-2009)
Ecology and Society Institute Curriculum Planning Committee, Chair (2000-2007)
Graduate Group in Evolutionary Biology and Ecology
founding Co-Director 1989
Co-Director or Director (1989 –1996,2004-2006)
Environmental Institute Task Force (1995-1997)
FNSM Undergraduate Grievance Committee (1981, 1994)
FNSM Divisional Committee (1980-1984)
Graduate School Fellowship Committee (1983, 1984)
Graduate School Policy Committee (1993- 1996)
Science and Engineering Library Advisory Committee (1988 - 1990, 1992-1997)

DEPARTMENT COMMITTEE MEMBERSHIP**(Geology)**

Ad Hoc Promotion Committees (Chair 2008, Chair, 2011, Chair, 2015,2016)
 Graduate Studies Committee (2012-present)

(Biological Sciences)

Executive Committee (1987, 1988-1989, 1989-1990, 1992-1993, 1995-1997)
 Graduate Affairs Committee (1979 -1985, 1987-1990, 1993-1997, 1998-1999)
 Greenhouse Committee (1979 - 1989)
 Undergraduate Affairs Committee
 Member (2003-2005)
 Ad Hoc Faculty Search Committees: Genetics (1980); Ecology (1988, 1993 [Chair],
 1997 [Chair], Physiology (2003)
 Ad Hoc ByLaws Committee (1986)
 Ad Hoc Promotion Committees (1993 [Chair], 1996 [Chair],1999 [Chair], 2001
 [Chair], 2002 [Chair], 2017)
 Ad Hoc Hiring Plan Committee (2000)
 Ad Hoc Forensics Certificate Committee, Chair (2000)
 Ad Hoc Benchmark Committee (2000)

COMMUNITY SERVICE

University at Buffalo Child Care Center, Bd. of Directors (1995-1998), Chair 1996-98
 Amherst Central School District - Internet advisory committee (1996)
 Smallwood Drive School - Internet committee (1996).

GRANTS (Principal Investigator unless noted otherwise)

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| 2018 -2022 | National Science Foundation - Collaborative Research: Pattern and process in the abundance and recruitment of Caribbean octocorals. (Collaborative with P. Edmunds, Cal State Northridge) UB award \$1,019,866 |
| 2017-2018 | National Science Foundation – RAPID: Resilience of Caribbean octocorals following Hurricanes Irma and Maria. \$126,722 + 14 day UNOLS shiptime |
| 2013-2017 | National Science Foundation – Collaborative Research: RUI-Ecology and functional biology of octocoral communities in St. John, USVI. (Collaborative with P. Edmunds, Cal State Northridge) UB award \$314,563 |
| 2008-2013 | National Science Foundation - Collaborative Research: Recruitment dynamics and population connectivity in Bahamian octocorals (Collaborative project with C. Paris, University of Miami) \$697,081 + 46 days UNOLS shiptime (funding to HRL) |
| 2007-2013 | National Science Foundation – IGERT: Ecosystem restoration through interdisciplinary exchange (ERIE), PI, A. Rabideau, Co-PI with 3 other CoPIs, \$3, 119,729 |
| 2006-2008 | National Undersea Research Center, University of North Carolina at Wilmington. Recruitment dynamics of gorgonian corals – baseline recruitment and the effects of macroalgal cover. \$79,348 |
| 2003-2008 | National Science Foundation. Recruitment among density manipulated populations of a Caribbean gorgonian. 4 years \$560,000 |
| 2000-2003 | National Geographic Society. Effects of harvesting on gorgonian coral reproduction \$20,000 |

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| 2000-2001 | LipoChemicals. Sources of variation in the pseudopterosin content of Bahamian <i>Pseudopteroorgia elisabethae</i> . | \$33,000 |
| 2000-2001 | University at Buffalo Pilot Project Program. Molecular markers of growth and differentiation in a colonial invertebrate (D.A. Brazeau, Co-PI) | \$15,000 |
| 1999-2002 | National Undersea Research Program, NOAA (Caribbean Marine Research Center) Ecology of <i>Pseudopteroorgia elisabethae</i> : population structure and mariculture. (M.A. Coffroth, Co-PI) (\$68,000 direct plus \$40,000 facilities and shiptime grant) | \$68,000 |
| 1998-1999 | New York Sea Grant Institute Biotechnology Program. Population ecology of a harvestable marine resource: the Caribbean gorgonian <i>Pseudopteroorgia elisabethae</i> (M.A. Coffroth, Co-PI) | \$199,653 |
| 1998-1999 | National Science Foundation. SGER - El Nino related bleaching of Caribbean corals. | \$10,173 |
| 1997-1999 | National Geographic Society. Ecology of coral reef resources: the Caribbean gorgonian <i>Pseudopteroorgia elisabethae</i> . (M.A. Coffroth, Co-PI) | \$40,088 |
| 1996-1997 | New York State, California and Puerto Rico Sea Grant Institutes. A Management Plan for the Bahamian Gorgonian <i>Pseudopteroorgia elisabethae</i> : a Preliminary Survey. (MA Coffroth, Co-PI) | \$12,000 |
| 1995-1997 | National Undersea Research Program, NOAA. Reproductive success of broadcast spawning gorgonians. (MA Coffroth, Co-PI) | \$29,999 |
| 1993-1996 | National Science Foundation. Fertilization success among broadcast spawning benthic invertebrates. (M.A. Coffroth, Co-PI) | \$390,000 |
| 1994 | National Science Foundation. Research Experience for Undergraduates Supplement. | \$5,000 |
| 1993 | National Science Foundation. Research Experience for Undergraduates Supplement. | \$5,000 |
| 1993 | National Geographic Society. Reproductive ecology of Caribbean gorgonian corals. | \$13,330 |
| 1993-1994 | National Undersea Research Program, NOAA. Fertilization success among broadcast spawning gorgonians. (with M.A. Coffroth, Co-PI) | \$44,000 |
| 1991-1992 | New York State Sea Grant. Molecular genetics of marine anthozoans. | \$125,000 |
| 1990-1992 | National Science Foundation. Effects of vegetative reproduction on the distribution and abundance of colonial marine invertebrates. | \$94,900 |
| 1990-1991 | National Geographic Society. Larval Ecology of a Caribbean gorgonian. | \$14,806 |
| 1989-1990 | National Science Foundation. Effects of vegetative reproduction on the distribution and abundance of colonial marine invertebrates. | \$65,000 |
| 1989-1990 | Biomedical Research Support Grant. Population genetics of clonal invertebrates. | \$2000 |
| 1986-1989 | National Science Foundation. Effects of vegetative reproduction on the distribution and abundance of colonial marine invertebrates. | \$120,000 |

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| 1986-1989 | Whitehall Foundation. Anti-predator adaptations of gorgonian corals. | \$57,180. |
| 1985 | National Geographic Society. Predators and defenses of gorgonian corals. | \$5,166 |
| 1983-1985 | National Science Foundation. Effects of vegetative reproduction on the distribution and abundance of colonial marine invertebrates. | \$40,000 |
| 1983-1984 | U.B. Research Development Fund. Growth and reproduction in the clonal coelenterate <u>Aiptasia pallida</u> . | \$3882. |
| 1982-1984 | University Awards Program. Effects of vegetative reproduction on gorgonian distribution. \$3,400 | |
| 1982 | Biomedical Research Support Grant. Endosymbiont-host interactions in coelenterate-algal symbioses. | \$2,420 |
| 1982 | U.B. Research Development Fund. Multi-user laboratory computer (with five other co-P.I.'s) | \$16,665 |
| 1982 | U.B. Research Development Fund. Vegetative reproduction among gorgonian corals. | \$2,600 |
| 1981 | Biomedical Research Support Grant. Regulation of algal symbiont density in algal-coelenterate symbioses. | \$4,925 |
| 1981 | National Academy of Sciences Bache Fund. Nutritional status and primary production of reef corals. | \$1,400 |
| 1980-1982 | State University of New York, University Awards Program. Nutritional status and primary production of reef corals. | \$3,790 |
| 1980 | Smithsonian Tropical Research Institute, Becker Fund. Effect of nitrogen supply on primary production of the coral <u>Pocillopora damicornis</u> . | \$3,400 |
| 1980 | National Oceanic and Atmospheric Administration, Manned Undersea Science and Technology Office. Resource availability and suspension feeding by gorgonian soft corals. | \$3,182 |
| 1980 | University of Buffalo Foundation. Nutrient limitation in corals and carnivorous plants. | \$890 |
| 1977 | N.S.F. Doctoral Dissertation Improvement Grant. Intra-specific variability and its ecologic consequences in the reef coral <i>Montastrea cavernosa</i> . | \$4,000 |
| 1976 | Henry Hinds Fund for Evolutionary Biology, University of Chicago. Intra-specific variability in <i>Montastrea cavernosa</i> . | \$1,000 |
| 1975 | Gurley Fund, University of Chicago. Intra-specific variability in <i>Montastrea cavernosa</i> . | \$900 |
| 1975 | Sigma Xi Grant-in-Aid of Research. Zooplankton feeding by hermatypic corals. | \$400 |
| 1974 | Sigma Xi Grant-in-Aid of Research. Marine microbial respiration. | \$300 |

PUBLICATIONS

- 1976 Lasker, H.R. Effects of differential preservation on the measure of taxonomic diversity. *Paleobiology* 2:84-93.
- 1976 Lasker, H.R., Intraspecific variability of zooplankton feeding in the hermatypic coral *Montastrea cavernosa*. In G.O. Mackie (ed), *Coelenterate Ecology and Behavior*. Plenum Press, New York, pp. 101-109.
- 1977 Lasker, H.R. Patterns of zooxanthellae distribution and polyp expansion in the reef coral *Montastrea cavernosa*. *Proc. Third Int'l. Coral Reef Symp.* 1:607-613.
- 1978 Lasker, H.R. The measurement of taxonomic evolution; preservational consequences. *Paleobiology* 4:135-149.
- 1979 Lasker, H.R. Light dependent activity patterns among reef corals: *Montastrea cavernosa*. *Biol. Bull.* 156:196-211.
- 1980 Lasker, H.R. Coral sediment rejection patterns: the role of morphology and behavior in *Montastrea cavernosa*. *J. Exp. Mar. Biol. Ecol.*, 47:77-88.
- 1980 P. Rublee, H.R. Lasker, M. Gottfried, and M.A. Roman. Production and bacterial colonization of mucus from the gorgonian *Briareum asbestinum*. *Bull. Mar. Sci.* 30:888-893.
- 1981 Lasker, H.R. Phenotypic variation in the coral *Montastrea cavernosa* and its effects on colony energetics. *Biol. Bull.* 160:292-302.
- 1981 Lasker, H.R. A comparison of the particulate feeding abilities of 3 gorgonian soft corals. *Marine Ecology Progress Series* 5:61-67.
- 1982 Clayton, W.S., Jr. and H.R. Lasker. Effects of light and dark treatments on feeding by *Pocillopora damicornis*. *J. Exp. Marine Biology and Ecology* 63:269-279.
- 1983 Lasker, H.R., J.A. Syron, W.S. Clayton, Jr. The feeding response of *Hydra viridis*: Effects of prey density on capture rates. *Biological Bulletin* 162:290-298.
- 1983 Lasker, H.R., M.D. Gottfried, M.A. Coffroth. Effects of depth on the feeding capabilities of two octocorals. *Mar. Biol.* 73:73-78.
- 1983 Lasker, H.R., M.A. Coffroth. Octocoral distributions at Carrie Bow Cay, Belize. *Mar. Ecol. Prog. Ser.* 13:21-28.
- 1983 Lasker, H.R. Vegetative reproduction in the octocoral *Briareum asbestinum*. *J. Exp. Marine Biol. Ecol.* 72:157-169.
- 1984 Lasker, H.R. Asexual reproduction, fragmentation and skeletal morphology of a plexaurid gorgonian. *Marine Ecology: Progress Ser.* 19:261-268.
- 1984 Clayton, W.S. Jr., and H.R. Lasker. Host feeding regime and zooxanthellal photosynthesis in the anemone *Aiptasia pallida*. *Biol. Bull.* 167:590-600.
- 1984 Lasker, H.R., E.C. Peters, and M.A. Coffroth. Bleaching of reef coelenterates in the San Blas Islands, Panama. *Coral Reefs* 3:183-190.
- 1985 Lasker, H.R. Prey preferences and browsing pressure of the butterflyfish *Chaetodon capistratus* on Caribbean gorgonians. *Marine Ecology: Progress Series* 21:213-220.
- 1985 Clayton, W.S., Jr. and H.R. Lasker. Individual and population growth in the asexually reproducing anemone *Aiptasia pallida* Verill. *J. Exp. Mar. Biol. Ecol.* 90:249-258.
- 1985 Lasker, H.R. and M.A. Coffroth. Vegetative reproduction, clonal spread, and histocompatibility in a Caribbean gorgonian. *Proc. 5th Int'l. Coral Reef Congress, Tahiti.* 4:331-336.
- 1988 Lasker, H.R. The incidence and rate of vegetative propagation among coral reef alcyonarians. *6th Int'l. Coral Reef Symp.* 2:763-768.

- 1988 Lasker, H.R., Coffroth, M.A., Fitzgerald, L.M. Foraging patterns of *Cyphoma gibbosum* on octocorals: the roles of host and prey preferences. *Biol. Bull.* 174:254-266.
- 1988 Lasker, H.R., Coffroth, M.A. Temporal and spatial variability among gazers: variability in the distribution of the gastropod *Cyphoma gibbosum* on octocorals. *Mar. Ecol. Prog. Ser.* 43:285-295.
- 1988 Brazeau, D.A., H.R. Lasker. Inter- and intraspecific variation in gorgonian colony morphology: quantifying branching patterns in arborescent animals. *Coral Reefs.* 7:139-143.
- 1989 Brazeau, D.A., Lasker, H.R. The reproductive cycle and larval spawning in a Caribbean gorgonian. *Biol. Bull.* 176:1-7.
- 1989 Vreeland, H.V. and H.R. Lasker. Selective feeding by the polychaete *Hermodice carunculata* on Caribbean gorgonians. *J. Exp. Mar. Biol. Ecol.* 129:265-277.
- 1990 Brazeau, D.A. and H.R. Lasker. Sexual reproduction and external brooding by the Caribbean gorgonian *Briareum asbestinum* (Pallas). *Marine Biology* 104:465-474.
- 1990 Lasker, H.R. Clonal propagation and population dynamics of a gorgonian coral. *Ecology* 71:1578-1589.
- 1990 Coffroth, M.A., Lasker, H.R., Oliver, J.A. Coral mortality outside of the Central Pacific during 1982-1983: Relationship to El Nino. In: P.W. Glynn (ed.), *Ecological Effects of the 1982/83 El Nino*. Elsevier Oceanography Series. pp. 141-182.
- 1991 Lasker, H.R. Population growth of a gorgonian coral: equilibrium and non-equilibrium sensitivity to changes in life history variables. *Oecologia* 86:503-509.
- 1992 Brazeau, D.A., Lasker, H.R. Reproductive success in the Caribbean octocoral *Briareum asbestinum*. *Marine Biology* 114:157-163.
- 1992 Lang, J.C., Lasker, H.R., Gladfelter, E.H., Hallock, P., Jaap, W.C., Losada, F.J., Muller, R.G. Spatial and temporal variability during periods of recovery after mass bleaching on Western Atlantic coral reefs. *American Zoologist* 32:696-706.
- 1992 Coffroth, M.A., Lasker, H.R., Diamond, M.E., Bruenn, J.A., Bermingham, E. DNA fingerprints of a gorgonian coral: A method for detecting clonal structure in a vegetative species. *Marine Biology* 114:317-325.
- 1992 Brazeau, D.A., Lasker, H.R. Growth rates and growth strategy in a clonal marine invertebrate, the Caribbean octocoral *Briareum asbestinum*. *Biol. Bull.* 183:269-277.
- 1993 Lasker, H.R., Stewart, K.M. Gamete dilution and fertilization success among broadcast spawning octocorals. *Proceedings of the 7th International Coral Reef Symposium*. University of Guam Press, Mangilao, Guam. pp 476-483 .
- 1996 Lasker, H.R., Kim, K., Coffroth, M.A. Reproductive and genetic variation among Caribbean gorgonians: the differentiation of *Plexaura kuna*, new species. *Bulletin of Marine Science* 58:277-288.
- 1996 Lasker, H.R., Brazeau, D.A., Calderon, J., Coffroth, M.A., Coma, R.C. and Kim, K. *In situ* rates of fertilization among broadcast spawning gorgonians. *Biological Bulletin* 190:45-55.
- 1996 Lasker, H.R., Kim, K. Larval development and settlement behavior of the gorgonian coral *Plexaura kuna*. *J. Exp. Mar. Biol. Ecol.* 207:161-175.
- 1997 Kim, K., Lasker, H.R. Flow mediated resource competition in the suspension feeding gorgonian *Plexaura homomalla* (Esper). *J. Expt. Marine Biology and Ecology* 215:49-64.
- 1997 Coma, R., and Lasker, H.R. Small scale heterogeneity of fertilization success in a broadcast spawning octocoral. *J. Experimental Marine Biology and Ecology* 214:107-120.

- 1997 Lasker, H.R. and Kapela, W.J. Heterogeneous water flow and its effects on the mixing and transport of gametes. *Proceedings of the 8th Int. Coral Reef Symp.* 2:1109-1114..
- 1997 Swain, T.S., Kim, K. and Lasker, H.R. Use of fluorescence microscopy in an assay of sperm density for the gorgonian coral *Plexaura kuna*. *Proceedings 8th Int. Coral Reef Symp.* 2:1341-1344.
- 1997 Coma, R., and Lasker, H.R. Effects of spatial distribution and reproductive biology on *in situ* fertilization rates of a broadcast-spawning invertebrate. *Biological Bulletin* 93:20-29.
- 1998 Coffroth, M.A. and Lasker, H.R. Population structure of a clonal gorgonian coral: the interaction between vegetative propagation and disturbance. *Evolution* 52:379-383.
- 1998 Kim, K. and H.R. Lasker. Allometry of resource capture and constraints on modular growth. *Functional Ecology* 12:646-654
- 1998 Lasker, H.R., Kim, K. and Coffroth MA. Production, survival and recruitment of a plexaurid gorgonian. *Marine Ecology Progress Series.* 162:111-123
- 1998 Coffroth, M.A. and Lasker, H.R. Larval paternity and male reproductive success of a broadcast spawning benthic invertebrate. *Marine Biology* 131:329-337
- 1999 Lasker, H.R. and Coffroth, M.A. Responses of clonal reef taxa to environmental change. *American Zoologist* 39:92-103.
- 1999 Kapela, W. and Lasker, H.R. Size dependent reproduction in the Caribbean gorgonian *Pseudoplexaura porosa*. *Marine Biology* 135:107-114
- 2000 Beiring, E.A. and Lasker, H.R. Egg production by colonies of a gorgonian coral. *Marine Ecology Progress Series* 196:169-177
- 2002 Boller, M. L., Swain, T. D. and Lasker, H. R. Skeletal morphology and material properties of a fragmenting gorgonian coral. *Marine Ecology Progress Series* 228:131-141.
- 2002 Lasker H.R. and Sanchez J.A. Astogeny and allometry of modular colonial organisms. *In: R.N. Hughes (ed.), Progress in Asexual Propagation and Reproductive Strategies.* John Wiley, Oxford pp 208-253
- 2003 Lasker, H.R. Zooxanthella densities within a Caribbean octocoral during bleaching and non-bleaching years. *Coral Reefs* 22:23-26.
- 2003 Sanchez, J.A., Zeng, W., Coluci, V. R., Simpson, C. & H. R. Lasker. How similar are branching networks in nature? A view from the ocean: Caribbean gorgonian corals. *Journal of Theoretical Biology* 222:135-138.
- 2003 Sanchez, J.A., Frances, S., McFadden, C.S., and H.R. Lasker. Phylogenetic analyses of the shallow-water Caribbean octocorals using coding mitochondrial DNA sequences and morphological characters. *Marine Biology* 142:975-987
- 2003 Sanchez, J.A., Lasker, H.R. and D.J. Taylor. Phylogenetic analyses among Octocorals (Cnidaria) according to mitochondrial and nuclear DNA sequences (1su-rRNA, 16S and ssu-RNA, 18S) support two convergent clades of branching gorgonians. *Molecular Phylogenetics and Evolution* 29:31-42
- 2003 Castanaro, J. and H.R. Lasker. Effects of clipping on growth of colonies of the Caribbean gorgonian *Pseudopterogorgia elisabethae*. *Invertebrate Biology* 122:209-307.
- 2003 Santos, S.R., Gutierrez-Rodriguez, C., Lasker, H.R., and M.A. Coffroth. Patterns of *Symbiodinium* associations in the Caribbean gorgonian *Pseudopterogorgia elisabethae*: high levels of genetic variability and population structure in symbiotic dinoflagellates of the Bahamas. *Marine Biology* 143:111-120
- 2003 Lasker, H.R., Boller, M.A., Castanaro, J., Sánchez, J.A. Determinate growth and modularity in

- a gorgonian octocoral. *Biological Bulletin* 205: 319-330
- 2003 Sanchez, J.A., Lasker, H.R. Patterns of morphologic integration in branching colonies of marine modular organisms: Interspecific comparative analysis in gorgonian corals. *Proc. R. Soc. Lond. B* 270:2039-2044
- 2004 Gutierrez-Rodriguez, C. and H.R. Lasker. Reproductive biology of the Caribbean gorgonian *Pseudopterogorgia elisabethae*. *Invertebrate Biology* 123:53-66
- 2004 Sanchez, J.A., Lasker, H.R., Neopmuceno, E.G., Woldenberg, M.A. Branching and self-organization in marine modular colonial organisms: a model. *American Naturalist* 163:E24-E39 (selected electronic access article)
- 2004 Gutierrez-Rodriguez, C. and H.R. Lasker. Isolation and characterization of microsatellite loci in the Caribbean gorgonian *Molecular Ecology Notes* 4:153-155.
- 2004 Sanchez, J.A., Lasker, H.R. Do multi-branched colonial organisms exceed normal growth after partial mortality? *Proc. R. Soc. Lond. B (Suppl.)* 271:S117-S120
- 2004 Gutiérrez-Rodríguez, C. and H.R. Lasker. Microsatellite variation reveals high levels of genetic variability and population structure in the gorgonian coral *Pseudopterogorgia elisabethae* across the Bahamas. *Molecular Ecology* 13:2211-2221
- 2004 Kim, E.A.B., Lasker, H.R., Coffroth, M.A., and Kim, K. Morphological and genetic variation across reef habitats in a broadcast-spawning octocoral. *Hydrobiologia* 530:423-432
- 2005 Lasker, H.R. Gorgonian Mortality During a Thermal Event in the Bahamas. *Bull. Marine Science* 76:155-162
- 2005 Gutiérrez-Rodríguez, C., Hannes, A.R., Lasker, H.R. Corrigendum: Microsatellite variation reveals high levels of genetic variability and population structure in the gorgonian coral *Pseudopterogorgia elisabethae* across the Bahamas. *Molecular Ecology* 14:4205-4206
- 2006 Lasker, H.R. High fertilization success in a surface brooding gorgonian. *Biological Bulletin* 210:10-17
- 2006 Goffredo, S, Lasker, H.R. Modular growth of a gorgonian coral can generate predictable patterns of colony growth. *J. Expt. Mar. Biol. Ecol.* 336:221-229
- 2008 Jamison, J.L., Lasker, H.R. Identification of octocoral recruits using microsatellite primers: Relationships between recruitment and adult distribution of *Pseudopterogorgia* spp. *Limnology & Oceanography* 53: 1963-1972
- 2008 Goffredo, S., Lasker, H.R. An adaptive management approach to an octocoral fishery based on the Beverton-Holt model. *Coral Reefs* 27:751-761 DOI 10.1007/s00338-008-0391-6
- 2008 Lasker, H.R., Gutierrez-Rodriguez, C., Bala, K., Bilewitch, J.P., Hannes, A. Male reproductive success during spawning events of the octocoral *Pseudopterogorgia elisabethae*. *Marine Ecology Progress Series* 367:153-161.
- 2009 Gutiérrez-Rodríguez, C., Barbeitos, M.S., Sánchez, J.A. and H. R. Lasker. Phylogeography and morphological variation of the branching octocoral *Pseudopterogorgia elisabethae*. *Molecular Evolution and Phylogenetics* 50:1-15
- 2010 Barbeitos, M.S., Romano, S.L., Lasker, H.R. Repeated loss of coloniality and symbiosis in scleractinian corals. *Proc. Natl. Acad. Sci.* 107: 11877-11882
- 2011 Carlo, J.M., Barbeitos, M.S., Lasker, H.R. Quantifying complex shapes: elliptical fourier analysis of octocoral sclerites. *Biological Bulletin* 220:224-237.
- 2011 Kahng, S., Benayahu, Y. and H.R. Lasker. Sexual reproduction in octocorals. *Marine Ecology Progress Series* 443:265-283
- 2012 Lessios, H.A., Lasker, H.R., Levitan, D. The use of SCUBA to study early life histories of marine

- invertebrates. Research and Discovery: The Revolution of Science through Scuba. Smithsonian Institution Press
- 2012 McLean, E.A. and H.R. Lasker. Height Matters: position above the substratum influences the growth of two demosponge species. *Marine Ecology* 34:122-129 DOI: 10.1111/j.1439-0485.2012.00523.x
- 2012 Page, C.A. and H.R. Lasker. Effects of tissue loss, age and size on fecundity in the octocoral *Pseudopterogorgia elisabethae*. *J. Expt. Mar. Biol. & Ecol* 434-435:47-52. (<http://dx.doi.org/10.1016/j.jembe.2012.07.022>)
- 2013 Evans, M., Coffroth, M.A. and H.R. Lasker. Effects of predator exclusion on recruit survivorship in an octocoral (*Briareum asbestinum*) and a scleractinian coral (*Porites astreoides*). *Coral Reefs* 32:597-601
- 2013 Porto-Hannes, I, Lasker, H.R., Isolation and characterization of 7 microsatellite loci in the Caribbean gorgonian *Antillologorgia elisabethae*. *Marine Biodiversity* 43:273-277. DOI 10.1007/s12526-013-0154-7
- 2013 Lasker, H.R., Recruitment and Resilience of a Harvested Caribbean Octocoral. *PLoS ONE* 8(9): e74587. doi:10.1371/journal.pone.0074587
- 2014 Smilansky, V.; Lasker, H.R. Fine-scale genetic structure in the surface brooding Caribbean octocoral, *Antillologorgia elisabethae*. *Marine Biology* 161:853-861, DOI 10.1007/s00227-013-2385-3
- 2014 Coelho MAG, and Lasker HR. 2014. Reproductive biology of the Caribbean brooding octocoral *Antillologorgia hystrix*. *Invertebrate Biology* 133:299-313.
- 2015 Joseph, E.O., Carlo, J., Lasker, H.R. Phenotypic Plasticity in Sclerites of the Gorgoniid Octocoral *Pseudopterogorgia bipinnata*. *Hydrobiologia* 759:109-118. DOI 10.1007/s10750-014-2153-5
- 2015 Lenz, EA, Bramanti, L, Lasker, H.R., Edmunds, P.J. Long-term variation of octocoral populations in St. John, US Virgin Islands. *Coral Reefs* 34:1099-1109
- 2015 Lasker H.R. and I. Porto-Hannes, Population structure among octocoral adults and recruits identifies scale dependent patterns of population isolation in The Bahamas. *PeerJ* 3:e1019; DOI 10.7717/peerj.1019
- 2016 Edmunds, P.J., Tsounis, G., Lasker, H.R. Differential distribution of octocorals and scleractinians around St. John and St. Thomas, US Virgin Islands. *Hydrobiologia* 767 347-360
- 2016 Gambrel, B., Lasker, H.R. Interactions in the canopy among Caribbean reef octocorals. *Marine Ecology Progress Series*, 546: 85–95
- 2016 Coelho, M.G., Lasker, H.R. S. Goffredo, Z. Dubinsky (eds.), *The Cnidaria, Past, Present and Future*, Springer International Publishing, Switzerland p 291-315
- 2016 Edmunds, P.J., Lasker, H.R. Cryptic regime shift in benthic community structure on shallow reefs in St. John, US Virgin Islands. *Marine Ecology Progress Ser.* 559:1-12 (featured article)
- 2016 Coelho M.A.G., Lasker H.R. Larval behavior and settlement dynamics of a ubiquitous Caribbean octocoral and its implications for dispersal. *Marine Ecology Progress Ser.* 561:109-121

SYMPOSIUM PRESENTATIONS

- 1978 The measurement of taxonomic evolution: preservational consequences. Ann. Meeting Paleontological Soc., Maastricht, Netherlands
- 1993 Variation in fertilization success of a broadcast spawning gorgonian. Fertilization Ecology Symposium, Larval Ecology Meeting. Stony Brook, August 1993.
- 1995 Fertilization success among broadcast spawning invertebrates: the interaction between clonal propagation, flow regime and success. Keystone Symposium - Molecular Approaches to Marine Ecology and Evolution, March 1995.
- 1996 Heterogeneous water flow and its effects on the mixing and transport of gametes. 8th International Coral Reef Symposium - Symposium on Flow effects on corals and coral reefs.
- 1998 Life history traits of corals and their resilience to environmental perturbation. Symposium on Coral Reefs and Environmental Change: Adaptation, Acclimation or Extinction? Annual Mtg Society for Comparative and Integrative Biology. Boston, January 1998.
- 2000 Population biology of a renewable(?) coral reef resource: the gorgonian *Pseudopterogorgia elisabethae*. Gordon Research Conference - Marine natural products, Ventura, Ca. Feb 29, 2000
- 2010 Reproduction and Dispersal of Caribbean Octocorals: You can see a lot by looking. Research and Discoveries: The Revolution of Science through *Scuba*. Smithsonian Institution, Washington, D.C. May 24, 2010
- 2017 The Caribbean gorgonian *Antillopteria elisabethae*: Ecology of a harvested reef resource. 1st International Symposium on Coral Reefs, Sanya, Hainan, China, January 2017

CONFERENCE PRESENTATIONS AND PUBLISHED ABSTRACTS

- 1976 Intraspecific variability of zooplankton feeding in the hermatypic coral *Montastrea cavernosa*. 2nd International Coelenterate Biology Symposium, Victoria
- 1977 Patterns of zooxanthellae distribution and polyp expansion in the reef coral *Montastrea cavernosa*. 3rd International Coral Reef Symposium, Miami.
- 1978 Effects of intraspecific variability on the coral *Montastrea cavernosa*. Coral Reef Ecology Workshop - Smithsonian Institution
- 1979 Relationship between autotrophy and heterotrophy in the coral *Montastrea cavernosa*. 42nd Ann. Meeting American Society of Limnology and Oceanography.
- 1980 Particle feeding by three species of soft coral. Third Winter Meeting American Society of Limnology and Oceanography.
- 1982 Asexual reproduction and colony formation among gorgonian corals. Benthic Meetings, Harvard
- 1983 Born to break: asexual reproduction in a gorgonian coral. Benthic Meetings, Florida Institute of Technology, Melbourne, FL
- 1983 Grazing on gorgonians by the butterfly fish *Chaetodon capistratus*: monthly variation in feeding preferences. American Society of Zoologists Annual Meeting, Philadelphia, PA. American Zoologist, 23:985
- 1983 Extensive "bleaching" of Caribbean corals in the San Blas Islands, Panama. Coral Reef Workshop, American Society of Zoologists Annual Meeting. (first author with 5 co-authors).
- 1984 Fragment production, survival and colony propagation among three plexaurid gorgonians. Benthic Ecology Meetings, Towson, Maryland. (with M.A. Coffroth)

- 1985 Vegetative reproduction, clonal spread, and histocompatibility in a Caribbean gorgonian. 5th International Coral Reef Congress, Tahiti (with M.A. Coffroth)
- 1986 Population growth in a fragmenting gorgonian. Benthic Ecology Meetings, Boston, MA
- 1987 Foraging behavior of the gorgonian eating snail *Cyphoma gibbosum*. Benthic Ecology Meetings, Raleigh, NC (with M.A. Coffroth, L. Fitzgerald).
- 1987 Quantifying the advantages of clonal growth in a Caribbean gorgonian: the effect of temporal and environmental variation Ann. Meeting Western Soc. Naturalists
- 1988 Experimental measurement of host preference by the gorgonian eating snail *Cyphoma gibbosum*. 6th International Coral Reef Symp. (M.A. Coffroth and H.R. Lasker)
- 1988 Reproductive biology of two Caribbean gorgonians: implications for the interpretation of anthozoan life history strategies. Benthic Ecology Meeting, Portland, ME (D.A. Brazeau and H.R. Lasker)
- 1988 The incidence and rate of vegetative propagation among coral reef alcyonarians. 6th International Coral Reef Symp.
- 1988 Size dependent demography of three Caribbean gorgonians: magnitude of the escape in size. (abstract). American Society of Zoologists Annual Meeting (abstract in American Zoologist 28:110A)
- 1989 Preferences of *Cyphoma* on gorgonians: detection of water borne cues. Benthic Ecology Meetings, Solomons, Md. (H.R. Lasker and M.A. Coffroth).
- 1990 Development and settlement preferences of plexaurid gorgonian planulae. Benthic Ecology Meetings, Mobile, Alabama.
- 1990 Molecular population genetics of gorgonian corals: a preliminary report. (M.A. Coffroth, M.A. Diamond, H.R. Lasker and J.A. Bruenn). Benthic Ecology Meetings, Mobile, Alabama.
- 1990 Palatability and toxicity of gorgonian corals to potential grazers. (H.R. Lasker, M.A. Coffroth and H.V. Peck). American Society of Zoologists Annual Meeting, San Antonio.
- 1991 Population dynamics and genetic population structure of a gorgonian coral: do multi-year studies characterize longer time scale dynamics? American Society of Zoologists Annual Meeting.
- 1992 Gamete dilution and fertilization success of a broadcast spawning octocoral. Benthic Ecology Meetings, Newport, RI.
- 1993 Variation in fertilization success of a broadcast spawning gorgonian. American Society of Zoologists Annual Meeting (H.R. Lasker, K. Kim and M.A. Coffroth - Dec. 1993).
- 1994 Fertilization success among broadcast spawning gorgonians. 22nd Benthic Ecology Meeting. Mystic, CT March 1994.
- 1995 Post-settlement survival and recruitment of plexaurid gorgonians. American Society of Zoologists Annual Meeting, Jan. 1995
- 1995 Fragmentation in a gorgonian coral: phenotypic variation and the opportunity for selection. Society for Integrative and Comparative Biology, 1995 Ann. Mtg.
- 1996 Enumeration of sperm in broadcast spawning species. (Swain, T. and H.R. Lasker), 8th Int. Coral Reef Symp., Panama, June `96.
- 1996 Small scale heterogeneity of fertilization success in a broadcast spawning octocoral. (Coma, R. and H.R. Lasker), 8th Int. Coral Reef Symp., Panama, June `96.
- 1996 Variability in reproductive output of a Caribbean gorgonian (Beiring, EA. and H.R. Lasker), 8th Int. Coral Reef Symp., Panama, June `96.

- 1996 Mixing and transport of gametes and effects on fertilization among broadcast spawning invertebrates. Ann Mtg Soc Integrative Biology
- 1999 Sexual dimorphisms and sexual selection among broadcast spawning benthic invertebrates. Benthic Ecology Meetings, Baton Rouge, La. March 1999
- 1999 Axis constrictions as an adaptation for fragmentation of the gorgonian coral *Plexaura kuna*. (M.L. Boller, T.D. Swain, H.R. Lasker) 28th Benthic Ecology Mtg., Baton Rouge, LA March 1999.
- 1999 Growth control and colony architecture in the gorgonian coral *Pseudopterogorgia elisabethae* Bayer (Octocorallia:Cnidaria): preliminary observations. (J. Sanchez , H.R. Lasker). 28th Benthic Ecology Mtg., Baton Rouge, LA March 1999
- 2000 Growth among modular organisms: location, location, location. 29th Annual Benthic Ecology Meetings, Wilmington, N.C. March 10, 2000 (HR Lasker & JA Sanchez)
- 2000 Mechanisms of fragmentation of a gorgonian coral. Ann. Mtg. Soc Integrative and Comparative Biology, Atlanta, GA Jan. 2000. (M.L. Boller, T.D. Swain & H.R. Lasker)
- 2001 Correlated Morphologic and Genetic Variation of a Gorgonian Coral in the Bahamas. Gutiérrez-Rodríguez C., Downey K. & Lasker, H.R. Ann. Mtg Soc. Stud. Evolution, University of Tennessee, Knoxville, from June 26 -July 1,2001.
- 2001 Changes in profile of anti-inflammatory agents extracted from the gorgonian coral *Pseudopterogorgia elisabethae* American Association of Pharmacological Scientists, October 21-25, 2001 (Nava Dayan and Howard R. Lasker)
- 2002 Phylogenetic analyses of the shallow-water Caribbean octocorals using mitochondrial DNA sequences and morphological characters. Benthic Ecology Meetings, 21-24 March 2002, Orlando, Fl. (Sanchez, JA, McFadden, CS, France, SC, Lasker, HR)
- 2002 Fertilization success on a surface brooding gorgonian. Benthic Ecology Meetings, 21-24 March 2002, Orlando, Fl.
- 2003 Fertilization and local gamete dispersion in a surface brooding gorgonian. Annual Mtg Soc for Integrative and Comparative Biology, Toronto, Jan 4-8, 2003 (H.R. Lasker & C., Gutierrez-Rodriguez.)
- 2003 Colony growth responses of the Caribbean octocoral *Pseudopterogorgia elisabethae* to harvesting (poster). Annual Mtg Soc for Integrative and Comparative Biology, Toronto, Jan 4-8, 2003. (J. Castanaro & H.R. Lasker)
- 2003 Modeling colony growth and development of a branching gorgonian as a stage structured process. 7th International Coelenterate Biology Conference, Lawrence, Kansas
- 2003 Morphological and genetic variation across reef habitats in a broadcast-spawning octocoral. (poster) (Kim, E.A.B., Lasker, H.R., Coffroth, M.A., and Kim, K.) 7th International Coelenterate Biology Conference, Lawrence, Kansas .
- 2004 Harvesting a Caribbean gorgonian – an interim assessment of procedures, effects and sustainability. 10th International Coral Reef Symposium, June 2004, Okinawa, Japan
- 2004 Gorgonian mortality during a thermal event in the Bahamas 10th International Coral Reef Symposium, June 2004, Okinawa, Japan
- 2005 Spatial distribution and size structure of a Caribbean gorgonian – Does form identify process? Benthic Ecology Meeting, Williamsburg, Va, April 6-9, 2005
- 2006 Modular growth in a Caribbean gorgonian generates predictable patterns of colony growth. Ann. Mtg Society for Integrative and Comparative Biology, Orlando, Fl, Jan. 4-8, 2006

- 2006 Lasker, H.R. Growth, Survivorship and Harvest Strategies for the Gorgonian *Pseudopterogorgia elisabethae*. Benthic Ecology Meeting 2006, Québec City, Canada March 8–12, 2006
- 2006 Jamison, J.R., Lasker, H.R. Identifying Gorgonian Recruits of the Genus *Pseudopterogorgia* Using Microsatellites. Benthic Ecology Meeting 2006, Québec City, Canada March 8–12, 2006
- 2006 Brown, T., Lasker, H., Brazeau, D. Development of Molecular Markers to Detect Branching in the Gorgonian, *Pseudopterogorgia elisabethae* using Quantitative Real Time PCR, Eastern Great Lakes Molecular Evolution Meeting, May 6, 2006, Buffalo, NY
- 2007 Lasker, HR; Jamison, JL. Relationships Between Recruitment and Adult Distribution Among *Pseudopterogorgia* spp. on the Little Bahama Bank Annual Mtg of the Society of Integrative and Comparative Biology, Jan. 2007, Phoenix Az
- 2008 Carlo, J, Barbeitos, M, Lasker, H. Quantitative comparisons of complex shapes: comparing gorgonian sclerites. 37th Annual Benthic Ecology Meeting, April 2008, Providence Rhode Is.
- 2008 Lasker, HR, Goffredo, S. Can coral reef resources be harvested responsibly? A Caribbean octocoral example. 37th Annual Benthic Ecology Meeting, April 2008, Providence Rhode Is.
- 2008 Lasker HR, Bilewitch J, Goffredo S, Connectivity in a Caribbean octocoral: a tale of three datasets. 11th Intl Coral Reef Symp.
- 2008 Khang S, Benayahu Y, Lasker H. A review of sexual reproduction in Octocorallia. 11th Intl Coral Reef Symp.
- 2008 Barbeitos, M, Romano, S, Lasker, H. Phylogenetics and morphological evolution of Scleractinian corals. 11th Intl Coral Reef Symp.
- 2009 Lasker, H.R., Bilewitch, J. Population structure of the branching octocoral *Pseudopterogorgia elisabethae* in The Bahamas, 38th Benthic Ecology Meeting, Corpus Christi,
- 2010 Barbeitos, M.S., Romano, S.L. Lasker, H.R. Phylogenetics and morphological evolution in Scleractinian corals. Annual Mtg of the Society of Integrative and Comparative Biology, Jan. 2010, Seattle, WA
- 2010 Khang, S., Benayahu, Y., Lasker, HR, Octocoral reproductive strategies: Trying to see the forest for the trees? Annual Mtg of the Society of Integrative and Comparative Biology, Jan. 2010, Seattle, WA
- 2010 McLean, E. L., Lasker, H. R., Trends in the associations between Octocorals and Sponges in Florida Keys. Benthic Ecology Meetings, Wilmington, NC, March 10-13, 2010
- 2011 Lasker, H.R., Reproductive strategy, larval behavior and recruitment among Caribbean octocorals. Annual Mtg of the Society of Integrative and Comparative Biology, Jan. 2011, Salt Lake City, UT
- 2011 Lasker, H.R. Connectivity in the Caribbean Octocoral *Pseudopterogorgia elisabethae*: What are we measuring? What should we be measuring? Benthic Ecology Meetings, Mobile Alabama, March 16, 2011
- 2011 McLean, E.L, Lasker, H.R. Sponge overgrowth: the paradigm for the Lianas. Benthic Ecology Meetings, Mobile Alabama, March 16, 2011
- 2012 Lasker, H.R. Reproductive systems, larval behavior and distribution patterns among Caribbean octocorals, 41st Benthic Ecology Meetings, Norfolk, Va, March 22, 2012
- 2012 Hannes, I.P., Lasker, H.R. and Burlakova, L.E. Proposed Study of Unionid Community Below and Above Escarpments from Lake Ontario and Lake Erie Tributaries. Ann. Conference Intl Assoc Great Lakes Res, Cornwall, Ontario, May 14, 2012

- 2012 Lasker, H.R., Kough, A, Porto, I.H., Paris, C. Picking the perfect birthday: reproductive biology and connectivity in octocorals. 12th International Coral Reef Symposium, Cairns, Australia July 12, 2012
- 2013 Lasker, H.R. How common and important is specialization among coral reef Anthozoans? Benthic Ecology Meeting, Savannah Georgia March 22, 2013
- 2013 Coelho, M., Lasker, H.R. *Antillogorgia hystrix* (Cnidaria: Octocorallia): first report of internal brooding within the genus. Benthic Ecology Meeting, Savannah Georgia March 23, 2013
- 2013 Smilansky, V., Lasker, H.R. Fine scale genetic structure in the surface brooding Caribbean gorgonian *Antillogorgia elisabethae*. Benthic Ecology Meeting, Savannah Georgia March 23, 2013
- 2013 Joseph, E.O., Lasker, H.R. Variable Environmental Plasticity in Sclerites of the Caribbean Octocoral *Antillogorgia bipinnata*. 8th Intl Conference on Coelenterate Biology, Eilat, Israel, Dec 2, 2013
- 2015 Lasker, H.R., Porto-Hannes, I. Isolation by distance and dispersal among populations of a Caribbean octocoral. Annual Mtg of the Society of Integrative and Comparative Biology, Jan. 3-7, 2015, West Palm Beach, Florida
- 2015 Tsounis, G., Lasker, H., Edmunds, P.J. Octocoral success in degrading reefs: A case study in St John, US Virgin Islands. Annual Mtg of the Society of Integrative and Comparative Biology, Jan. 3-7, 2015, West Palm Beach, Florida
- 2015 Gambrel B., Lasker, H.R. Competition(?) among Caribbean octocorals. Benthic Ecology Meeting, March 18-21, Quebec City, Canada
- 2016 Edmunds, P.J., Lasker, H.R. A cryptic regime shift in benthic community structure on shallow reefs in St. John, U.S. Virgin Islands. Benthic Ecology Meetings, March 16-19, 2016, Portland, Maine
- 2016 Lasker, H. R., Edmunds, P. J., Bramanti, L. Caribbean octocoral community dynamics: regime change, stable states or just the last colony left standing? 13th International Coral Reef Symposium, Honolulu, HI. June 2016
- 2016 Tsounis, G., Lasker, H., Bramanti, L., Gambrel, B., Edmunds, P.J. Octocoral community ecology at two sites of contrasting environmental conditions in St John, US Virgin Islands. 13th International Coral Reef Symposium, Honolulu, HI. June 2016
- 2016 Coelho, M., Lasker, H.R., The devil is in the details: larval behavior and settlement dynamics of a ubiquitous Caribbean octocoral and its implications for dispersal. 13th International Coral Reef Symposium, Honolulu, HI. June 2016
- 2016 Tsounis G, Lasker H, Bramanti L, Gambrel B, Edmunds PJ. Hidden Information in Octocoral Community Structure on Shallow Reefs in St. John, US Virgin Islands: Analysis at Species Resolution vs. Genus Resolution. American Academy for Underwater Sciences - 2016 Diving for science symposium. September 20-24, 2016, Rhode Island.
- 2017 Lasker, HR, Recruitment and survival of congeneric octocoral species in The Bahamas: it depends. Benthic Ecology Meeting, Myrtle Beach, SC, April 14, 2017

WORKSHOPS

- 1982 NSF - Ecology and evolution of clonal organisms. Yale University.
1987 NOAA - Caribbean coral reef bleaching. West Indies Laboratory, St. Croix.
1999 National Center for Ecological Analysis and Synthesis Workshop: Modeling growth and form of marine sessile organisms. Invited talk: Constraints on Modular Organisms: colony integration and the definition of modules. Santa Barbara, CA August 1999
2004, 2006 NSF sponsored workshops on data sharing among ecological and evolutionary societies. Washington, D.C.
2007 Case Studies in Science, University at Buffalo

INVITED LECTURES

- Asexual reproduction among gorgonian corals. Smithsonian Tropical Research Institute, July 1982.
Vegetative reproduction in a Caribbean gorgonian: a tale of two analyses. Dept. of Chemistry, James Cook University, Townsville, Australia. October 1985.
Vegetative reproduction in a Caribbean gorgonian: a tale of two analyses. Australian Institute of Marine Science, Townsville, Australia. October 1985.
Vegetative reproduction in a Caribbean gorgonian: a tale of two analyses. Department of Zoology, University of Hawaii, November 1985.
Coral reefs, coloniality and natural disasters. Department of Geology, SUNY at Buffalo, 1986.
Population ecology of a gorgonian coral. National Museum of Natural History, Smithsonian Institution. 1986
Population ecology of a gorgonian coral. Rosenstiel School of Marine and Atmospheric Science, University of Miami. 1986
Gorgonian population dynamics. Ecology and Evolution Section, Cornell University. April 1989.
Fertilization success among broadcast spawning invertebrates. Dept. of Biology, SUCNY at Buffalo, April 1993.
Broadcast spawning, fertilization success and turbulence in marine invertebrates. Rosenstiel School of Marine and Atmospheric Science, University of Miami. June 1993.
Fertilization success among broadcast spawning invertebrates. Smithsonian Tropical Research Institute, July 23, 1993.
Fertilization success among broadcast spawning invertebrates. Dept of Biology, Brock University, October 28, 1993.
Reproductive ecology of a gorgonian coral. Department of Biology, University of Rochester, Nov. 5, 1993.
Fertilization success and the reproductive ecology of a gorgonian coral. University of Hawaii, April 1995.
Fertilization success among broadcast spawning invertebrates. University of Cincinnati, March 1997.
Population structure of a Caribbean Gorgonian, University of Guam, NIH-MBRS Program, April 1997
Fertilization success among broadcast spawning invertebrates: why the impossible is sometimes possible, University of Guam, NIH-MBRS Program, April 1997
Fertilization and clonal growth: where sex meets asex, University of Guam, NIH-MBRS Program, April 1997
Population biology of a renewable(?) coral reef resource: the gorgonian *Pseudopterogorgia elisabethae*. Rosenstiel School of Marine and Atmospheric Science, University of Miami, April 1999.

Population biology of the gorgonian *Pseudopterogorgia elisabethae*: a coral reef resource. Dept. of Biological Sciences, Florida Atlantic University, April 2001.

Population biology of the gorgonian *Pseudopterogorgia elisabethae*: a coral reef resource. Department of Biology, SUNY at Genesee, Nov. 2001

Ecology of a Caribbean gorgonian coral: Science, cosmetics and management. Department of Biology, Canisius College, Jan 2003

Ecology of a Caribbean gorgonian coral: Science, cosmetics and management. Department of Biology, Ithaca College, April 2003

Reproductive biology of a harvested Caribbean gorgonian: mating strategies and management. Department of Zoology, University of Guelph, Feb. 27, 2004.

Reproductive biology of a harvested Caribbean gorgonian: mating strategies and management. Department of Biology & Great Lakes Laboratory, Buffalo State College, April 20, 2004

Connectivity of coral reef populations: you can't always get where you want. Department of Biology, Canisius College, Nov 19, 2010

Connectivity in a Caribbean octocoral: you can't always get where you want. Committee on Evolutionary Biology, University of Chicago, May 3, 2012.

Connectivity in a Caribbean octocoral: you can't always get where you want. Biology Department, Morehouse College, March 19, 2012.

Connectivity in a Caribbean octocoral: you can't always get where you want. Georgia Aquarium, March 18, 2012.

Connectivity in a Caribbean octocoral: you can't always get where you want.

Nova Southeastern University Oceanographic Center, Oct 17, 2013

Department of Zoology, Tel Aviv University, Israel, Dec. 12, 2013

Centre D'Estudis Avancats de Blanes, Spain, March 6, 2014

Laboratoire d'Ecogéochimie des Environnements, Observatoire Océanologique de Banyuls/Mer, France, April 3, 2014

University of Bologna, Italy, May 5, 2014

Institut Ciències del Mar, Barcelona, Spain, May 12, 2014

University of Central Florida, March 16, 2015

Scripps Institute of Oceanography & San Diego State University Coral Club, March 23, 2015

California State University at Northridge, March 27, 2015

Connectivity in Caribbean gorgonians. University of Havana Marine Laboratory, July 10, 2016

Caribbean octocoral community dynamics: regime change, stable states or just the last colony left standing?

Department of Biology, Buffalo State College, Nov. 2016

Hong Kong University, Jan. 2017