

Curriculum Vitae: Claire B. Paris-Limouzy

Citizenship: U.S.

Affiliation: Division of Applied Marine Physics (AMP)
Division of Marine Biology and Fisheries (MBF)
Rosenstiel School of Marine and Atmospheric Science (RSMAS)
University of Miami
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Education

2001 Ph.D. Coastal Oceanography, State University of New York/MSRC at Stony Brook
1987 M.S. Biology and Living Resources, RSMAS, MBF
1982 Maîtrise de Biochemistry & Marine Ecology, Université de Bordeaux, Talence, France

Professional Experience

2009- Assistant Professor, RSMAS, AMP & BMF
2007-2009 Assistant Professor, RSMAS, AMP
2004-2007 Assistant Scientist, RSMAS, MBF
2001-2003 Postdoctoral Associate, RSMAS, MBF
1996-2001 Doctoral research, SUNY at Stony Brook,
1989-1996 Research Associate, RSMAS, AMP
1987-1989 Research Assistant ORSMTOM-CRODT, Dakar, Sénégal, W. Africa

Field Experience and Areas of Specialization

Oceanographic Cruises: Participated in a total of 23 oceanographic cruises and field experiments. Work consisted in collecting ichthyoplankton using Multi Opening and Closing Net and Environment Sensing System (MOCNESS), Bongo nets, Frame nets and Neuston nets. Concurrently collecting hydrographic data using Conductivity Temperature Density (CTD) rosette and Acoustic Doppler Current Profiler (ADCP). Empirical work also involved the deployment of a Drifting In Situ Chamber (DISC) to observe larval behavior. Sampling was carried out from various Research Vessels in the Bahamas, the Florida Straits, the Florida Keys, Barbados, the Bahamas, French Polynesia, and the Great Barrier Reef between 1989 and 2009. Scuba Diving: Scientific diving experience for various research projects.

Biological Oceanography: physical-biological Interactions (PBI): modeling and observations; biophysical marine population connectivity; Lagrangian Stochastic Models (LSM); ; dispersal and recruitment processes; larval fish taxonomy; metapopulation theory and seascape ecology

Research Interests

My primary interests are in understanding the patterns of demographic connectivity produced by the pelagic larval phase of marine organisms and how changes in the environment may affect population persistence and genetic biodiversity. I am focusing on research projects that can contribute to a mechanistic understanding of physical-biological interactions that control the dynamics of marine populations and have conservation applications. Research in my lab cuts across disciplines and involves the development of coupled bio-physical numerical models of larval transport and trophic interactions as well as of *in situ* observational methods to investigate larval behavior and their environmental cues.

Publications in Refereed Journal Articles and Book Chapters

37. Mumby PJ, Elliott IA, Skirving W, Eakin CM, Edwards HJ, Paris CB, Enriquez S, Cherubin LM (to be submitted) Reserve design for uncertain response of coral reefs to climate change
- Srinivasan A, Paris CB (to be submitted to PNAS) An Individual Based Model for connectivity studies
36. Paris CB, Irisson J-O, Lacroix G, Leis JM, Fiksen O, Mullon C (2009) Connectivity *In: Manual of Recommended Practices for Modelling Physical-Biological Interactions in Fish Early-Life History* (North E, Gallego A, Petitgas P, Eds), ICES, in press.
35. Paris CB, Cherubin LM, Karnauskas M (in review) Starting life crowded, *In: Reef Fish Spawning Aggregations: Biology, Research and Management* (Sadovy Y and Colin P, Eds)
34. Irisson J-O, Guigand C, Paris CB (2009) In situ orientation of marine larvae in the pelagic environment, Accepted 04/23/09 in *Limn & Oceanogr Methods*
33. Feshwater DW, Hines A, Oarham S, Wilkbur A, Sabaoun M, Woodhead J, Akins L, Purdy B, Whitfield PE, Paris CP (2009) Mitochondrial control region sequence analyses indicates dispersal from the US East Coast as the source of the invasive Indo-Pacific lionfish *Pterois volitans* in the Bahamas, *Marine Biology* DOI 10.1007/s00227-009-1163-8
33. Steneck RS, Paris CB, Arnold SN, Butler M, Ablan Lagman MC, Alcala AC, McCook LJ, Russ GR, Sale PF (2009) Thinking and managing outside the box: coalescing connectivity networks to build region-wide resilience in coral reef ecosystems. Theme Section: Larval connectivity, resilience and the future of coral reefs, *Coral Reefs*, DOI 10.1007/s00338-009-0470-3
32. Munday PL, Leis JM, Lough JM, Paris CB, Kingsford MJ, Berumen ML, Lambrechts J (2009) Climate change and coral reef connectivity. Theme Section: Larval connectivity, resilience and the future of coral reefs, *Coral Reefs*, DOI 10.1007/s00338-008-0461-9
31. Botsford LW, White JW, CoVroth M-A, Paris CB, Planes S, Shearer TL, Thorrold SR, Jones GP (2009) Measuring connectivity and estimating resilience of coral reef metapopulations in MPAs: matching empirical efforts to modelling needs. Theme Section: Larval connectivity, resilience and the future of coral reefs, *Coral Reefs*, DOI 10.1007/s00338-009-0466-z
30. Bustamente G, Paris CB (2008) World Heritage Sites and marine population connectivity, *In: Caribbean Connectivity: Implications for marine protected area management*. Grober-Dunsmore R and Keller B (eds), U.S. Department of Commerce, NOAA, National Marine Sanctuary Program, NMSP-08-07, Silver Spring, MD, 102-117.
29. Paris CB Perez-Perez M, Kool J, Aldana-Arnada D (2008) Segregation of conch (*Strombus gigas*) populations in Mexico, *In: Caribbean Connectivity: Implications for marine protected area management*. Grober-Dunsmore R and Keller B (eds), U.S. Department of Commerce, NOAA, National Marine Sanctuary Program, NMSP-08-07, Silver Spring, MD, 71-88.
28. Paris CB, Guigand C, Irisson J-O, Fisher R, D'Alessandro E (2008) Orientation With No Frame of Reference (OWNFOR): A novel system to observe and quantify orientation in reef fish larvae, *In: Caribbean Connectivity: Implications for marine protected area management*. Grober-Dunsmore R and Keller B (eds), U.S. Department of Commerce, NOAA, National Marine Sanctuary Program, NMSP-08-07, Silver Spring, MD. p. 52-62.
27. Paris CB, Cherubin LM (2008) River-reef connectivity in the Mesoamerican Barrier Reef Coral Reefs, Online First June 2008, DOI 10.1007/s00338-008-0396-1
26. Cherubin, L.M., C. Kuchinke, Paris CB (2008) Ocean circulation and terrestrial runoff dynamics in the Mesoamerican region from spectral optimization of SeaWiFS data and a high resolution simulation, *Coral Reefs*, 27:503–519
25. Werner FE, Cowen RK, Paris CB (2007) Coupled biophysical models: Present capabilities and necessary developments for future studies of population connectivity, *Oceanography*, 20(3):54-69
24. Paris CB, Cherubin LM, Cowen RK (2007) Surfing, diving or spinning: effects on population connectivity, *Mar Ecol Prog Ser*, Theme Section: Advances in modelling physical-biological interactions in fish early life history, 347: 285-300

23. Mumby P, Harborne A, Williams J, Kappel C, Brumbaugh DR, Micheli F, Holmes KE, Dahlgren CP, Paris CB, Blackwell PG (2007) Beyond trophic cascades: marine reserves facilitate coral recruitment, *Proc Nat Acad Sci* 104(20): 8362-8367
22. Baums I, Paris CB, Chérubin L (2006) A bio-oceanographic filter to larval dispersal in a reef-building coral, *Limnology and Oceanography* 51(4): 1969-1981
21. Steneck R, Cowen RK, Paris CB, Srinivasan A (2006) Response to Connectivity in Marine Protected Areas, *Science* 313:43-44
20. Ramos S, Cowen RK, Paris CB, P Ré, Bordalo AA (2006) Environmental forcing and larval fish assemblage dynamics in the Lima River estuary (Northwest Portugal), *Journal of Plankton Research* 28(3): 275-286
19. Cowen RK, Paris CB, Srinivasan A (2006) Scaling connectivity in marine populations, *Science* 311:522-527
18. Paris CB, Sponaugle, S, Cowen RK, Rotunno T (2005) Pomacentridae: Damsel-fishes. In: *Early Stages of Atlantic Fishes*, Richards JW [Ed], CRC Press.
17. Lindeman KC, Richards WJ, Lyczkowski-Shultz J, Drass DM, Paris CB, Leis JM, Lara M, Comyns BH (2005) Lutjanidae: Snappers. In: Richards WJ (ed) *Early Stages of Atlantic Fishes*. CRC Press, Boca Raton
16. Paris CB, Cowen RK, Claro R, Lindeman KC (2005) Larval transport pathways from Cuban spawning aggregations (Snappers; Lutjanidae) based on biophysical modeling. *Marine Ecology Progress Series* 296:93-106.
15. Paris CB and Cowen RK (2004) Direct evidence of a biophysical retention mechanism for coral reef fish larvae, *Limnology and Oceanography* 49(6): 1964-1979.
14. Cowen RK, Paris CB, Fortuna JL, Olson DB (2003) The role of long distance dispersal in replenishing marine populations. *Gulf and Caribbean Research* 14(2):129-137.
13. Serafy JE, Cowen RK, Paris CB, Capo TR, Luthy SA (2003) Evidence of blue marlin, *Makaira nigricans*, spawning in the vicinity of Exuma Sound, Bahamas. *Marine and Fresh Water Research* 54:1-8
12. Cowen RK, Sponaugle S, Paris CB, Fortuna JL, Lwiza KMM, Dorsey S. (2003) Impact of North Brazil Current rings on local circulation and coral reef fish recruitment to Barbados, West Indies. In: *Interhemispheric Water Exchange*, GJ Goni [Ed], Elsevier Oceanographic Series, Chap 17: 443-462.
11. Paris CB, Cowen RK, Lwiza KMM, Wang DP, Olson DB (2002) Objective analysis of three-dimensional circulation in the vicinity of Barbados, West Indies: Implication for larval transport. *Deep Sea Research* 49: 1363-1386.
10. Olson DB, Paris CB, Cowen RK (2001) Lagrangian biological models, p. 1437-1443. In: Steele JH, Turekian KK, Thorpe SA (Eds) *Encyclopedia of Ocean Sciences*, Academic Press.
9. Cowen RK, Lwiza KMM, Sponaugle S, Paris CB, Olson DB (2000) Connectivity of marine populations: Open or closed? *Science* 287: 857-859
8. Graber HC, Limouzy-Paris CB (1997) Transport patterns of tropical reef fish larvae by spin-off eddies in the Straits of Florida. *Oceanography* 10 (2): 68-71.
7. Limouzy-Paris CB, Graber HC, Jones DL, Röpke AW, Richards WJ (1997) Translocation of larval coral reef fishes via sub-mesoscale spin-off eddies from the Florida Current. *Bulletin of Marine Science* 60 (3): 966-983
6. Schultz DR, Arnold PI, Capos TR, Paris-Limouzy CB, Serafy JE, Richards WJ (1996) Immunologic methods for species identification of early life stages of lutjanid fishes from the western central Atlantic. Part I: Characterization of an interspecies protein. *Fishery Bulletin* 94: 734-742
5. Limouzy-Paris, C. McGowan MF, Richards WJ, Umaran JP, Cha SS (1994) Diversity of fish larvae in the Florida Keys: Results from SEFCAR. *Bulletin of Marine Science* 54 (3): 857-870
4. Paris-Limouzy CB (2001) Transport dynamics and survival of the pelagic larval stages of a coral reef fish, the bicolor damselfish, *Stegastes partitus* (Poey). *Ph.D. Thesis, Marine Sciences Research Center, State University of New York at Stony Brook, N.Y.* 11794-5000, 246 pp.

3. Limouzy-Paris CB and McGowan MF (1994) Sailfish length, weights, and sex data from the Senegalese sport fishery in 1980 and 1982. *ICCAT* (SCRS/92/62), Sci. Papers, Billfish WS II (XLI): 354-362.
2. Limouzy C (1983) Abondance saisonniere et migrations de la courbine (*Argirosoma regium*) dans la Baie du Lévrier (Mauritania). *Bulletin du Centre National de Recherches Oceanographiques et des Pêches* Vol. 11(1) Nouhadibou CNROP 1983/05: 69-88.
1. Limouzy C and Cayre P (1980) Pêche et aspects de la biologie du voilier de l'Atlantique (*Istiophorus platypterus*) sur les côtes Sénégalaises. *ICCAT* (SCRS 80/55), Sci. Papers XV: 361-371.

Awards and Professional Memberships

Australian Museum Fellowship (Nov-Dec 2008): Visiting Scientist Fellowship

NSF OCE 2008-2010 - PI (2008-2010): Collaborative research: Recruitment dynamics and population connectivity in Bahamian octocorals

NOAA FATE Program, Co-Pi (2008-2010): Development of biological and physical indices for stock evaluation in the Dry Tortugas pink shrimp fishery

Australian Museum Fellowship (Feb 2008): Visiting Scientist Fellowship

The Hermon Slade Foundation (Australian Museum) Co-PI (2007-2009): *How baby fish find a home: orientation by reef fish larvae in the pelagic environment*

NSF OCE 2006-2010, Co-PI (Current): Linkages between larvae and recruitment of coral reef fishes along the Florida Keys Shelf: an integrated field and modeling analysis of population connectivity in a complex system

Antigua-Barbuda Project, Co-PI (2007): Assessment of Population Replenishment and Connectivity of Reef Organisms

The Nature Conservancy PI (2006): Ecosystem Modeling Initiative for the Mesoamerican Reefs - II: Reef organisms population connectivity

World Resource Institute, Co-PI (2006 Feb-Nov): Ecosystem Modeling Initiative for the Mesoamerican Reefs – I: Watershed pollutant discharge and sediment loading

NSF Small Grant for Exploratory Research, PI (2005-2006): Orientation of coral reef fish larvae in the open ocean with no apparent frame of reference

PADI AWARE Grant (2004): Can fish larvae orient with respect to the direction of currents in the open ocean?

DIALOG V Symposium Participant (2003): Dissertation Initiative for the Advancement of Limnology and Oceanography “where do fish larvae go?”

ICCAT Research Support Grant (1994): Sailfish length, weights, and sex data from the Senegalese sport fishery

American Society of Limnology and Oceanography (ASLO); American Geophysical Union (AGU); American Fisheries Society (AFS); International Society for Reef Studies ; American Association for the Advancement of Science (AAAS)

Synergistic Activities (last five years)

Co-Chair “Predicting the Impact of Climate Change on Population Connectivity “ Topical Session ASLO Ocean Science, March 2008

Editorial Board of Marine Ecology Progress Series, Review Editor (2007-2010);

Chair of the *Connectivity* section, Nantes, KWAMF ICES-NSF;

Southern Regional Representative of the Early Life History Section of the American Fishery Society, 2006-present;

Dissertation Initiative for the Advancement of Limnology and Oceanography (DIALOG V);

Developed an active particle tracking system intended to be a community population connectivity model; Lecturer in teaching and training seminar for technical experts & research associates from Latin America and Caribbean (PATOMAC - Intra America Seas Initiative);

Manuscript Reviewer: Marine Ecology Progress Series, Coral Reefs, Proceedings of the National Academy of Sciences (PNAS), J. Plankton Research, Fishery Bulletin, Marine and Freshwater Research, Bulletin of Marine Science; Proposal Reviewer: National Science Foundation (NSF Fellowship), Coastal Response Research Center (CRRC)

Current Collaborating Scientists

Dalila Aldana Aranda, CINVESTAV-IPN, Mexico; Iliana Baums, Pennsylvania State Univ.; Mark J. Butler IV, Old Dominion University; Laurent Chérubin, RSMAS/MPO; Robert K. Cowen, RSMAS/MBF; Cédric Guigand, RSMAS/MBF; Villy Kourafalou, RSMAS/MPO; Jeff Leis, Australian Museum; Peter Mumby, Exeter Univ., UK; Serge Planes, CNRS Perpignan; Su Sponaugle, RSMAS/MBF; Ashwanth Srinivasan, COAPS/University of Miami.

Ph.D. Students Advised & Thesis Committee Member

Hanna Gray (UVI, current); Johnathan Kool (Univ. of Miami, PhD 2008); Jean-Olivier Irisson (Ecole Pratique des Hautes Etudes, Univ. of Perpignan, France, PhD 2008); Erwan Roussel (Univ. of Perpignan, France, PHD 2007); Carrie Kappel (Stanford University, PhD 2006); Manuel Pérez Pérez (CINVESTAV, Mexico, PhD 2005)

Workshops and Invited Talks in the past 3 years

Paris CB (2009) Coupled bio-physical models of larval dispersal: a Spiny Lobster demonstration, UNU-GEF Connectivity Workshop, Moorea, March 7-11, 2009.

Paris CB, Srinivasan A, Kourafalou V, Cowen RK, Sponaugle S (2008) BOLTS: a Biophysical Larval Tracking System for Measuring Dispersal Characteristics and Marine Population Connectivity, AGU Ocean Sciences, 15-19 December, San Francisco, OS52B-10 INVITED in Advances in Prediction Capabilities of Interdisciplinary Nested Models in Coastal and Shelf Seas II.

Plenary talk Jeffrey M Leis and Claire B Paris (2008) Orientation behaviour and its ontogeny in the pelagic larvae of marine, demersal fishes, *8th Larval Biology Symposium: Larval behaviour, dispersal and mortality*, Lisbon, Portugal 6-11 July

Paris CB (2008) Orientation With No Frame Of Reference (OWNFOR): larval dispersal or migration? Lizard island research Station, Feb. 12, 2008

Paris CB (2007) How can we model the effects of climate change on dispersal scales & population connectivity? ARC-CWG Workshop, Townsville (Australia) Oct. 13-16

Paris CB, Cherubin ML, Cowen RK (2007) Bio-Physical Modeling: Connectivity and resilience – sustaining coral reefs in the next century, ARC-CWG Workshop, Townsville (Australia) Oct. 13-16

Paris CB (2007) From individual larval movement to population networks: Coupled Biological and Physical Modeling Approaches, AMP Faculty Candidate Seminar, Sept. 28, Miami

Paris CB (2007) Biophysical Modeling: From individual larval dispersal to population networks, TAMUG Faculty Seminar Series, Galveston TX, March 6th.

Paris CB, Cherubin LM (2007) Bahamas Biocomplexity Project: modeling larval dispersal, *BBP General Meeting*, UC Davis, California, Jan 24-27.

Paris CB, Cherubin LM, Srinivasan A, Cowen RK (2006) surfing, spinning, or diving from reef to reef: how does it affect population connectivity? *59th Annual Gulf and Caribbean Fisheries Institute*, Belize City, Belize, Nov. 6-11, Caribbean Connectivity Session, Abstract p. 126.

Paris CB (2006) Larval dynamics and recruitment in coral reef environments, *Coastal Response Research Center Workshop “Innovative Coastal Modeling for Decision Support: Integrating Physical, Biological and Toxicological Models”*, Durham, New Hampshire, Sept 26-28.

Paris CB, Cherubin LM, Srinivasan A, Cowen RK, Kool J (2006) Modeling: from individual dispersal to population network, *Coral Reef Target Research Workshop “Connectivity of Mesoamerican Reefs”*, Miami, September 17-21.

Paris CB (2006) From individual larval dispersal to population networks, SOEST Oceanography Seminar Series, University of Hawaii at Manoa, Sept 14th.

Paris CB, Srinivasan A, Cherubin L, Irisson J-O, Planes S, Cowen RK (2006) Influence of biophysical processes on coral reef fish population connectivity inferred by modeling, *Workshop on Advancement in Modeling physical-biological interactions in fish early life-history*, Apr. 3-5, Nantes, France

Paris CB (2006) Modeling connectivity among fish populations, *Bahamas Biocomplexity Project*, Miami Meeting Jan 12-13.

Contributed Scientific Presentations in the past 3 years

Paris CB, A Srinivasan, VH Kourafalou, S Sponaugle, RK Cowen (2009) BOLTS: a BiOphysical Larval Tracking System for Measuring Dispersal Characteristics and Marine Population Connectivity, ASLO Aquatic Science Meeting 25-30 January 2009, Nice, France (Abstract)

J-O Irisson, CB Paris, RK Cowen, S Planes (2009) Ontogenetic vertical "migration" in coral-reef fish larvae communities and its consequences for dispersal, ASLO Aquatic Science Meeting 25-30 January 2009, Nice, France (Poster - Abstract)

Paris CB, Aldana-Aranda D (2008) Segregation Of Queen Conch, *Strombus Gigas*, Populations From Mexico, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 111

Kool J, Paris CB, Cowen RK (2008) Simulated regional scale genetic structure of Caribbean and Southeast Asian coral reef communities, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 113

Paris CB, Baums I (2008) Modeling the influence of genotypic diversity on coral metapopulation structure, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 1113

Foster N, Paris CB, Baums I, Mumby P et al. (2008) Connectivity and gene flow in the dominant Caribbean reef building coral, *Montastraea annularis*, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 122

Irisson J-O, Paris CB, Cherubin L, De Lara M, Planes S (2008) The importance of behavior on self-recruitment: a modeling approach, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 123

Butler M, Cowen RK, Paris CB, Matzuda H, Glodstein J (2008) Long PLDs, larval behavior, and connectivity in Spiny Lobster, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 123

Kang H, Kourafalou V, Paris CB (2008) Influence of Florida Current frontal eddies on circulation and fish recruitment around the Florida Keys reef track, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 172

Karnaukas M, Cherubin L, Agostina V, Paris CB (2008) Physical processes influencing the location of Nassau grouper (*Epinephelus striatus*) spawning areas and implications for reef fishery management, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Poster p. 199

Kappel C, Brumbaugh D, Dahlgren C, Harborne A, Holmes K, Micheli F, Mumby P, Paris CB, (2008) Models of coral community structure, environmental variation, and connectivity, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 211

Brumbaugh D, Broad K, Dahlgren C, Harborne A, Holmes K, Kappel C, Micheli F, Minnis J, Mumby P, Paris CB, Sanchirico J, Stoffle R (2008) Inferring the appropriate spatial scale of design and management for MPA networks: An interdisciplinary case study for the Bahmian archipelago, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 392

Elliot I, Edwards H, Mumby P, Paris CB, Skirving W, Eakin M (2008) Mitigation of the effects of coral bleaching through improved methods of marine reserve design, 11th International Coral Reef Symposium, July 7-11, 2008 Fort Lauderdale, USA, Abstract p. 395

Paris CB, Baums IB (2008) Modeling the influence of genotypic diversity on coral meta-population structure, 11th International Coral Reef Symposium, Mini-Symposia: Reef connectivity July 6-11 Fort Lauderdale, FL

Kool JT, Paris CB, Cowen RK (2008) Simulated Regional-Scale Genetic Structure of Caribbean and Southeast Asian Coral Reef Communities, 11th International Coral Reef Symposium, Mini-Symposia: Reef connectivity July 6-11 Fort Lauderdale, FL

Paris CB, Aldana-Aranda D (2008) Segregation of Queen conch, *Strombus gigas*, populations from Mexico, 11th International Coral Reef Symposium, Mini-Symposia: Reef connectivity July 6-11 Fort Lauderdale, FL

Paris CB (2008) Orientation With No Frame Of Reference (OWNFOR): larval dispersal or migration? Lizard island research Station, Feb. 12, 2008

Paris CB, Clement AC, Cowen RK (2008) Influence of projected temperature changes in the Caribbean on the pelagic phase and population networks of a common reef fish, ASLO Ocean Science Meeting, Orlando, Florida, March 207, 2008, Abstract p. 148

Kang H, Kourafalou VH, Peng G, Paris CB (2008) Interdisciplinary modeling support to CERP with the coastal South Florida HyCOM system, ASLO Ocean Science Meeting, Orlando, Florida, March 207, 2008, Abstract p. 50

Paris CB, Brumbaugh DR, Cherubin LM, Cowen RK, Dahlgren CP, DeSalle R, Galindo HM, Harborne AR, Holmes KE, Kappel CV, Micheli F, Mumby PJ, Naro-Maciel E, Oliver T, Palumbi SR (2007) Modeling larval connectivity across realistic ecological seascapes, AFS 137th Annual Meeting, San Francisco, Sep2-6, 2007, p. 75

Paris CB, Guigand C, Irisson J-O, Fisher R (2006) Orientation of fish larvae with no frame of reference (OWNFOR): An In situ system to detect and measure orientation in pelagic reef fish larvae. *59th annual Gulf and Caribbean Fisheries Institute*, Belize City, Belize, Nov. 6-11, Poster for the Caribbean Connectivity Session, Abstract p. 127.

Bustamente G, Paris CB (2006) Marine World Heritage Sites in the wider Caribbean: how research data on biological connectivity can document the “outstanding universal value” of new nominations. *59th annual Gulf and Caribbean Fisheries Institute*, Belize City, Belize, Nov. 6-11, Caribbean Connectivity Session, Abstract p. 29.

Cowen RK, Paris CB, Srinivasan A (2006) Modeling population connectivity of coral reef fishes in the greater Caribbean. *59th annual Gulf and Caribbean Fisheries Institute*, Belize City, Belize, Nov. 6-11, Caribbean Connectivity Session, Abstract p. 41.

Butler M., Cowen RK, Matzuda H, Goldstein J, Paris CB (2006) Connectivity in Caribbean spiny lobster: the tail of the dispersal kernel? *59th annual Gulf and Caribbean Fisheries Institute*, Belize City, Belize, Nov. 6-11, Caribbean Connectivity Session, Abstract p. 30.

Goldstein J, Matsuda H, Takenouchi T, Butler IV JM, Cowen RK, Paris CB (2006) Behavior of larval and postlarval Caribbean Spiny Lobster with implications for pan-Caribbean Connectivity. *7th Larval Biology Meeting*, Coos Bay, Oregon.

Paris CB, Cherubin LM, Srinivasan A, Cowen RK (2006) A Lagrangian modeling study of dispersal kernels from spawning aggregations of grouper (Epinephelinae) and snapper (Lutjanidae) in the Caribbean. *Ocean Sciences Meeting*, 20-24 Feb Honolulu, Hawaii

Cowen RK, Paris CB, Srinivasan A (2006) Investigation of the role of larval behavior in determining nearshore habitat connectivity. *Ocean Sciences Meeting*, 20-24 Feb Honolulu, Hawaii

Cherubin LM, Paris CB, Baums I (2006) On the variability of the Caribbean Current: A bio-oceanographic filter to larval dispersal in a reef-building coral. *Ocean Sciences Meeting*, 20-24 Feb Honolulu, Hawaii

Kool J, Paris CB, Cowen RK (2006) Development of a metapopulation genetic model for coral reef ecosystems. *Ocean Sciences Meeting*, 20-24 Feb Honolulu, Hawaii

Irisson J-O, Paris CB, Guigand CM, Fisher R (2006) Orientation with no frame of reference (OWNFOR): An in situ system to detect and measure orientation in pelagic reef fish larvae. *Ocean Sciences Meeting*, 20-24 Feb Honolulu, Hawaii (Poster)

PhD Advisor: Robert K. Cowen

Languages (fluent): English, French, and Spanish