

Curriculum Vitae

Claire B. Paris-Limouzy

Citizenship: U.S.

Affiliation: Division of Applied Marine Physics (AMP)
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:

2007- Assistant Professor, RSMAS, AMP
2004-2007 Assistant Scientist, RSMAS, Marine Biology and Fisheries (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 ORSMATOM-CRODT, Dakar, Sénégal, W. Africa

Field Experience

Oceanographic Cruises: Participated in a total of 21 oceanographic cruises. 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). Sampling was carried out from various Research Vessels in the Bahamas, the Florida Straits, the Florida Keys, Barbados, the Bahamas, and French Polynesia between 1989 and 2006.

Scuba Diving: Scientific diving experience for various research projects.

Areas of Specialization

Biological Oceanography: biophysical modeling; Individual Based Models (IBM); physical-biological Interactions (PBI); dispersal and recruitment processes. Ecology: larval fish ecology and taxonomy; metapopulation theory and seascape ecology

Research Interests

One of the most significant questions facing marine ecology today is to understand the spatial structure of populations and how changes in the environment may affect population persistence, biogeography, and biodiversity in general. My primary interests are in modeling the bio-physical interactions that control the dynamics of marine populations with an emphasis on the pelagic larval stages. I am focusing on research projects that can contribute to both a mechanistic understanding of reef

ecosystems and have applications in conservation biology. Although my work involves modeling, I have extensive experience in field studies of fish larval dynamics and I have been developing innovative empirical methods to investigate the orientation behavior of coral reef larvae *in situ* and the related cues.

Publications

Refereed Journal Articles and Book Chapters

27. Irisson J-O, Guigand C, [Paris CB](#) (2007) ***In situ* orientation of marine larvae in the pelagic environment**, submitted to *Limn & Ocenogr Methods*
26. [Paris CB](#), Cherubin LM (2007) **River-reef connectivity in the Mesoamerican Barrier Reef Coral Reefs**, submitted to *Coral Reef*
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. Cherubin, L.M., C. Kuchinke, [Paris CB](#) (2007) **Ocean circulation and terrestrial runoff dynamics in the Mesoamerican region from gappy ocean color data and numerical model climatology**, *Coral Reefs*, in press
23. Bustamente G, [Paris CB](#) (2007) **World Heritage Sites and marine population connectivity**, *Proceedings of the 59th Gulf and Caribbean Fisheries institute*, in press
22. [Paris CB](#) Perez-Perez M, Kool J, Aldana-Arnada D (2007) **Segregation of conch (*Strombus gigas*) populations in Mexico**, *Marine Sanctuary Conservation Series*, in press
21. [Paris CB](#), Guigand C, Irisson J-O, Fisher R, D'Alessandro E (2007) **Orientation With No Frame of Reference (OWNFOR): A novel system to observe and quantify orientation in reef fish larvae**, *Marine Sanctuary Conservation Series*, in press
20. [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
19. 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
18. 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
17. Steneck R, Cowen RK, [Paris CB](#), Srinivasan A (2006) Response to **Connectivity in Marine Protected Areas**, *Science* 313:43-44
16. 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
15. Cowen RK, [Paris CB](#), Srinivasan A (2006) **Scaling connectivity in marine populations**, *Science* 311:522-527
14. [Paris CB](#), Sponaugle, S, Cowen RK, Rotunno T (2005) **Pomacentridae: Damselfishes**. In: *Early Stages of Atlantic Fishes*, Richards JW [Ed], CRC Press.
13. 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

12. 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.
11. 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.
10. 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.
9. 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
8. 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.
7. 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.
6. 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.
5. Cowen RK, Lwiza KMM, Sponaugle S, Paris CB, Olson DB (2000) **Connectivity of marine populations: Open or closed?** *Science* 287: 857-859
4. 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.
3. 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
2. 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. PartI: Characterization of an interspecies protein.** *Fishery Bulletin* 94: 734-742
1. Limouzy-Paris, C. McGowan MF, Richards WJ, Umaman JP, Cha SS (1994) **Diversity of fish larvae in the Florida Keys: Results from SEFCAR.** *Bulletin of Marine Science* 54 (3): 857-870

Proceedings and Technical Reports

Paris CB, Mullon C, Lacroix G, Leis JM, Fiksen O, Irrisson (2007) **Connectivity** In: **Manual of Recommended Practices for Modelling Physical-Biological Interactions in Fish Early-Life History** (North E, Gallego A, Petitgas P, Eds), ICES Cooperative Research Report, in press.

Paris CB, Bartsch J, Houde E, Irrisson J-O, Miller T, Mullon C, Leis JM, Browman H, Fiksen O, Lacroix G, Gallego A (2007) **Biological Processes** In: **Manual of Recommended Practices for Modelling Physical-Biological Interactions in Fish Early-Life History** (North E, Gallego A, Petitgas P, Eds), ICES Cooperative Research Report, in press.

Criales MM, Paris CB, Yeung C, Jones D, Richards WJ, Lee T (2004) **Horizontal and seasonal distribution of zooplankton biomass and fluorescence from**

MOCNESS plankton tows in the Florida Straits and the Dry Tortugas. NOAA Tech Mem NMFS SEFSC, pp.24.

Paris CB, Lindeman KC, Claro R, Cowen RK (2004) **Modeling larval transport from snapper (Lutjanidae) spawning aggregations in Cuba.** *Proceedings of the 55th Annual Gulf and Caribbean Fishery Institute Meetings*, Xel-Ha, Quintana Roo, Mexico. GCFI 55: 570-576.

Paris CB, Cowen RK (2003) **A pilot study of larval transport linkages between the Western Caribbean, Central America, Cuba, and South Florida: Critical information for the design of marine reserve network.** *Kaplan Fund Report*, August 29, 2003, pp. 8.

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.

Cowen RK, Paris CB, Lwiza KMM, Olson DB (2000) **Long distance dispersal versus local retention as a means of replenishing Caribbean marine fish populations.** *ICES 2000/N:04*, 6 pp.

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.

Limouzy C (1987) **Yolk-sac absorption efficiency of *Centropomus undecimalis*.** *MS Thesis.* Rosenstiel School of Marine and Atmospheric Science, University of Miami.

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.

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

NSF OCE PI (Pending): **Orientation of Larval Reef Fish in the Blue: Ontogeny, Proximal Causes and Dispersal Consequences**

NSF OCE Co-PI (Pending) **Eddy driven variability of the Caribbean Basin**
Australian Museum Fellowship, Jan-Feb 2008: **Visiting Scientist Fellowship**

The Hermon Slade Foundation (Australian Museum) 2007-2009, Co-PI (Current): **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 (Current): **Assessment of Population Replenishment and Connectivity of Reef Organisms**

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

World Resource Institute (WRI), 2006 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 Connectivity Session ASLO 2008
- Co-Chair Connectivity Session ERF Nov 2007
- Editorial Board of Marine Ecology Progress Series, Review Editor (2007-2010);
- Chair of the *Connectivity* section of the *Manual of Recommended Practices for Modelling Physical-Biological Interactions in Fish Early-Life History* 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 that will serve to support marine population studies
- Lecturer in teaching and training seminar for technical experts & research associates from Latin America and Caribbean (PATOMAC - Intra America Seas Initiative) to familiarize them with the latest and most advanced methods and equipment used in ocean research;
- 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, CINVSTAV-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

Johnathan Kool (Univ. of Miami, current); Jean-Olivier Irisson (Ecole Pratique des Hautes Etudes, Univ. of Perpignan, France, current); Erwin Roussel (Univ. of Perpignan, France); Carrie Kappel (Stanford University); Manuel Pérez Pérez (CINVESTAV, Mexico)

Presentations

Workshops and Invited Talks

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.

Paris CB (**2005**) Modeling population connectivity in a fragmented environment, *MPO Fall Seminar Series*, RSMAS, Nov. 25, Miami

Paris CB (**2005**) Modeling connectivity among fish populations: the snapper grouper species complex, *Ecosystem Modeling Workshop*, South Atlantic Fishery Management Council, Nov. 16-18, Charleston

Paris CB (**2005**) A biophysical model of larval dispersal kernels from spawning aggregations in the Caribbean, *Reef Fish Conservation and Conservation Initiative*, WHOI Nov. 14-15

Paris CB (**2005**) Modeling dispersal in the marine environment: Example of spawning aggregation as point source. *Ocean and Human Health (OHH) First Annual Meeting*, RSMAS Miami, Jan 31

Paris CB (**2005**) Modeling Biological Connectivity. *The Nature Conservancy (TNC) MesoAmerican Reef Project (MARP) Workshop*, FIU, Miami, Jan 20

Paris CB, Srinivasan A, Cowen RK (**2004**) Biophysical Lagrangian modeling. *GEF Connectivity Modeling Meeting*, RSMAS Miami, April 5-6

Paris, CB (**2003**) Where do reef larvae go? Impact on population connectivity. *Dissertation Initiative for the Advancement of Limnology and Oceanography V Symposium*, Bermuda Biological Station for Research, October 19-25.

Sponaugle S, Cowen RK, Paris CB. (**2003**) Larval encounter with eddies - their effect on the transport, growth and recruitment of coral reef fishes. Session Talk, *27th Annual Larval Fish Conference*, Santa Cruz, California USA, August 20-23.

Paris, CB, Criales MM, Guigand C (**2003**) Muestreos biofisicos: redes de plancton. PATOMAC Seminar Series, Rosenstiel School of Marine and Atmospheric Science, July-August 2003, Key Biscayne, FL, USA.

Paris CB (**2002**) Biocomplexity in the IAS, *IASI-IAS-RODAE & IOCARIBE-GOOS Coastal Modeling Workshop*, Barbados, West Indies, November 6-8, 2002.

Paris CB, Cowen RK (**2002**) Modeling the role of long distance dispersal versus local retention in replenishing marine populations. Invited Talk, *The Future of Decision Support for Coral Reef Management: Agent-Based Modeling and Interdisciplinary Research. NCORE Workshop*, July 23-25 2002, University of Miami, Florida.

Paris CB (**2001**) Circulation and recruitment patterns in Barbados. *Coastal Studies Seminar Series*, March 22, Rosenstiel School of Marine and Atmospheric Sciences, Applied Marine Physics.

Paris CB (**2001**) Barbados Studies, *National Center for Caribbean Coral Reef Research (NCORE) Workshop*, January 8-9, Miami, Florida.

Limouzy-Paris CB (**1995**) Transport mechanism of coral reef fish larvae across the Florida Current, *American Fisheries Society 125th Annual Meeting*, Tampa, Florida, August 27-31.

Scientific Presentations

Claire B. Paris, Daniel R. Brumbaugh, Laurent Cherubin, Robert K. Cowen, Craig P. Dahlgren, Rob DeSalle, Heather M. Galindo, Alastair R. Harborne, Katherine E. Holmes, Carrie V. Kappel, Fiorenza Micheli, Peter J. Mumby, Eugenia Naro-Maciel, Tom Oliver, and Stephen R. Palumbi (**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)

Baums I, Paris CB, Chérubin L (2005) A dynamic filter to larval dispersal in a reef-building coral. *3rd Lagrangian Analysis and Prediction of Coastal and Ocean Dynamics (LAPCOD) Meeting*, Lercis June 13-17 2005, Italy

Paris CB, Cowen RK, Srinivasan A, Chérubin L (2005) Larval pathways from spawning aggregations of grouper (Serranidae) and snapper (Lutjanidae) populations in the Caribbean: A metapopulation approach for the conservation of marine species *The Oceanography Society 2005 International Research Conference*, June 1-10, Paris, France (Abstract – Poster Session)

Cowen RK, Paris CB, Srinivasan A (2005) Modeling population connectivity of coral reef fishes in the greater Caribbean *The Oceanography Society 2005 International Research Conference*, June 1-10, Paris, France (Abstract – Poster Session)

Cowen RK, Paris CB, Srinivasan A (2005) Coral reef fish populations connectivity *Aquatic Sciences Meeting*, February 21-25, Salt Lake City, Utah (Abstract)

Paris CB, Cowen RK, Srinivasan A, Chérubin L (2005) Connectivity among snapper (Lutjanidae) and grouper (Serranidae) populations in the Caribbean: A metapopulation approach for the design of marine reserve networks *ASLO 2005 Aquatic Sciences Meeting*, February 21-25, Salt Lake City, Utah (Abstract)

Paris CB, Cowen RK, Srinivasan A, Chérubin L (2004) Connectivity among snapper (Lutjanidae) and grouper (Serranidae) populations in the Caribbean: A metapopulation approach for the design of marine reserve networks. *57th Annual Gulf and Caribbean Fishery Institute Meetings*, St Petersburg, FL, November 8-12 (Abstract), p. 83

Paris CB, Cowen RK, Lindeman KC, Claro R (**2003**) Modeling larval transport from snapper (Lutjanidae) spawning aggregations in Cuba. *56th Annual Gulf and Caribbean Fishery Institute Meetings*, Tortola, BVI, November 10-14 (Abstract), p. 94.

Paris CB, Cowen RK, Lindeman KC, Claro R (**2003**) Modeling larval transport from grouper (Serranidae) and snapper (Lutjanidae) spawning aggregations in the Mesoamerican region. *27th Annual Larval Fish Conference*, August 20-23, Santa Cruz, California, (Abstract) p. 87.

Paris CB, Cowen RK, Lindeman KC, Claro R (**2003**) Modeling larval transport from grouper (Serranidae) and snapper (Lutjanidae) spawning aggregations in the Mesoamerican region. *ASLO 2003 Aquatic Sciences Meeting*, February 8-14, Salt Lake City, Utah (Abstract) p. 102.

Cowen RK and Paris CB (**2002**) Scales and Variability in Larval Dispersal within the IAS, LAPCOD Meetings, Key Largo, Florida, December 12-16 2002 (Abstract), p. 14.

Paris CB, Lindeman KC, Claro R, Fortuna JL, Cowen RK (**2002**) Modeling larval transport from snapper (Lutjanidae) spawning aggregations in Cuba. *55th Annual Gulf and Caribbean Fishery Institute Meetings*, Xel-Ha, Quintana Roo, Mexico, 11-15 November 2002 (Abstract), p. 109.

Paris CB, Cowen RK, Olson DB, Fortuna JL (**2002**) The role of long distance dispersal in replenishing marine populations. *54th Annual Gulf and Caribbean Fishery Institute Meetings*, Providenciales, Turks and Caicos Islands, 12-17 November 2001. (Abstract).

Cowen RK, Sponaugle S, Paris CB, KMM Lwiza, Fortuna JL, Dorsey S (**2001**) Impact of North Brazil Current rings on local circulation and coral reef fish recruitment to Barbados, West Indies. IAPSO Meetings, Mar del Plata, Argentina, November.

Paris CB and Cowen RK (**2001**) Survival of larval coral reef fishes: the missing link between egg production and recruitment. *25th Annual Larval Fish Conference*, August 8-12, Sandy Hook, New Jersey (Abstract) p. 64.

Paris CB and Cowen RK (**2001**) Survival of larval coral reef fishes: The missing link between egg production and recruitment. *ASLO 2001 Aquatic Sciences Meeting*, February 12-16, Albuquerque, New Mexico (Abstract) p.109.

Cowen, RK, Paris CB, Olson DB, Fortuna JL (**2001**) The role of long distance dispersal versus local retention in replenishing marine populations. *ASLO 2001 Aquatic Sciences Meeting*, February 12-16, Albuquerque, New Mexico (Abstract) p.39.

Cowen RK, Paris CB, Olson DB (**2000**) The role of long distance dispersal versus local retention in replenishing marine populations. *9th International Coral Reef Symposium*, October 23-27, Bali. 9ICRS (Abstract) p.38.

Paris, CB, RK Cowen, Lwiza (**2000**) Near field transport dynamics of larval cohorts of coral reef fish in the vicinity of Barbados, W. Indies. *9th International Coral Reef Symposium*, October 23-27, Bali. 9ICRS (Abstract) p. 41.

Cowen, RK, Paris CB, K.M.M. Lwiza KMM, Olson DB (**2000**) Long distance dispersal versus local retention as a means of replenishing Caribbean marine fish populations. *2000 Lagrangian Analysis and Predictability of Coastal and Oceanic Dynamics 2000 Meeting*, Ischia, Italy, October 2-6, 2000.

Paris, CB, Cowen RK, Lwiza KMM (**2000**) Near field transport dynamics of larval coral reef fish in the vicinity of Barbados, W. Indies. *2000 Ocean Sciences Meeting*, January 24-28, San Antonio, Texas. EOS Trans, AGU (Abstract) 80 (49), 1999, p. 68.

Limouzy-Paris, CB, Graber HC, Jones DL, Röpke A, Richards WJ (**1996**) Translocation of reef fish larvae mediated by remotely sensed spin-off eddies. *American Society of*

Ichthyologists and Herpetologists 76th Annual Meeting, June 13-19, New Orleans, Louisiana, (Abstract) p.202.

Limouzy-Paris, CB, Röpke A, Jones DL, Graber HC, Nikoloc S, Yeung C, Diaz G, Richards WJ (**1995**) Translocation of reef fish larvae across frontal boundaries: Evidence through spin-off eddies of the Florida Current. *International Larval Fish Conference & Australian Society for Fish Biology*, Sydney, Australia, June 26- July 2, 1995, (Abstract), p. 79.

McGowan, MF, Richards WJ, Roepke A, Cha SS, Limouzy-Paris CB (**1994**) Overview of effects of coastal oceanography on recruitment of fishes to the Florida Keys: Project SEFCAR. *Florida Coastal Ocean Sciences Symposium*, 21-22 April 1994, (Abstract), p.63.

McGowan, MF, Limouzy-Paris CB, Richards WJ, Cha SS (**1994**) Reef fish larval transport in the Florida Keys: SEFCAR results. *Florida Coastal Ocean Sciences Symposium*, 21-22 April 1994, (Abstract), p.77.

Limouzy-Paris, CB, Richards WJ, McGowan MF (**1994**) Preliminary data on reef fish recruitment strategies: SEFCAR results. *Florida Coastal Ocean Sciences Symposium*, 21-22 April 1994, (Abstract), p.78.

Limouzy CB (1993). Effect of incubation temperature on efficiency of yolk utilization by snook (*Centropomus undecimalis*) larvae. *Snook Symposium 1993*, April 15-16, Mote Marine Laboratory, Sarasota, Florida, (Abstract) p.22.

Limouzy-Paris CB, Richards WJ, McGowan MF (**1993**) Temporal variability of ichthyoplankton and its implication on recruitment in the Florida Keys. *American Society of Ichthyologist and Herpetologist Meetings, Annual Larval Fish Conference*, May 27-June 2, Austin, Texas, (Abstract) p.194.

Limouzy-Paris CB, Criales MM, Yeung C, Goldman D, Richards WJ (**1993**) Characteristics of zooplankton communities over a seamount off the Florida Keys, Florida, U.S. *Larval Ecology Meetings*, August 20-23, Port Jefferson, New York, (Abstract) p.28.

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