

# Carole C. Baldwin

## Professional Interests

Systematic ichthyology, especially diversity and evolutionary history of tropical-marine and deep-sea fishes; taxonomy; utility of larval morphology in biological studies; patterns of morphological divergence; biogeography of Atlantic and eastern Pacific fishes; marine conservation; science communication.

## Current Position

Research Zoologist (Curator of Fishes)<sup>1</sup>, National Museum of Natural History, Smithsonian Institution, 2001 to present.

## Previous Position

Museum Specialist, Department of Vertebrate Zoology, NMNH, Smithsonian Institution, October 1992-June 2001.

## Contact Information

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## Education

Ph.D., Marine Science, 1992, College of William and Mary, School of Marine Science  
M.S., Marine Biology, 1986, College of Charleston  
B.S., Biology, 1981, James Madison University (Magna Cum Laude)

## Publications

### □ Peer-Reviewed Papers

**Baldwin, C. C.** and L. A. Weigt. In Press. A New Species of Soapfish (Teleostei: Serranidae: *Rypticus*), with Redescription of *R. subbifrenatus* and Comments on the Use of DNA Barcoding in Systematic Studies. *Copeia*.

**Baldwin, C. C.**, B. J. Brito, D. G. Smith, L. A. Weigt, and E. Escobar-Briones. In Press. Identification of early life-history stages of Caribbean *Apogon* (Perciformes: Apogonidae) through DNA Barcoding. *Zootaxa*.

Vaslet, A., D. L. Phillips, C. Frances, I. C. Feller, and C. C. Baldwin. 2011. The feeding habits and habitats of *Myrophis punctatus* after its recruitment in the Indian River Lagoon, Florida: evidence from gut-contents, stable isotopes and mixing models. *Journal of Fish Biology* 79:692-706

**Baldwin, C.C.**, C.I. Castillo, L.A. Weigt, and B.C. Victor. 2011. Seven new species within western Atlantic *Starksia atlantica*, *S. lepicoelia*, and *S. sluiteri* (Teleostei: Labrisomidae), with comments on congruence of DNA barcodes and species. *ZooKeys* 79:21-72.

Tornabene, L., C.C. **Baldwin**, L.A. Weigt, and F. Pezold. 2010. Exploring the diversity of western Atlantic *Bathygobius* (Teleostei: Gobiidae) using mitochondrial cytochrome c oxidase-I. *Aqua* 16:141-170.

Poss, S.G., J.M. McCosker, **C.C. Baldwin**. 2010 A New Species of *Scorpaenodes* (Pisces: Scorpaenidae) from the Galápagos and Cocos Islands, with Discussions of the Limits of *Scorpaenodes* and *Thysanichthys*. *Proceedings of the California Academy of Sciences* 61:235-267.

Wittenrich, M. L., **C. C. Baldwin**, and R. G. Turingan. 2010. Larval development of laboratory-reared green mandarin, *Synchiropus splendidus* (Teleostei: Callionymidae), with comments on fresh coloration of larval *Paradiplogrammus bairdi* from Belize. *Aqua* 16:7-18.

**Baldwin, C. C.**, L. A. Weigt, D. G. Smith, and J. H. Mounts. 2009 Reconciling genetic lineages with species in western Atlantic *Coryphopterus* (Teleostei: Gobiidae). Pp. 113-140 in Lang, M. A. et al. (eds). *Proceedings of the Smithsonian Marine Science Network Symposium*. *Smithsonian Contributions to the Marine Sciences* 38.

**Baldwin, C. C.**, J. H. Mounts, D. G. Smith, and L. A. Weigt. 2009. Genetic identification and color descriptions of early life-history stages of Belizean *Phaeoptyx* and *Astrapogon* (Teleostei: Apogonidae) with Comments on identification of adult *Phaeoptyx*. *Zootaxa* 2008: 1–22 (2009)

**Baldwin, C. C.** and J. M. Leis. 2007. *Rainfordia opercularis* (Teleostei: Serranidae: Epinephelinae), a liopropomin Serranid: Corroborative evidence from settlement-stage larvae. *Ichthyological Research* 54:193-197.

Castellanos-Galindo, G. A., E. Rubio, B. Beltran-Leon, L. A. Zapata, and **C. C. Baldwin**. 2006. Check list of gadiform, ophidiiform and lophiiform fishes from Colombian Pacific waters of the tropical eastern Pacific. *Biota Colombiana*.

Castellanos-Galindo, G. A., E. Rubio, B. Beltran-Leon, L. A. Zapata, and **C. C. Baldwin**. 2006. Check list of stomiiform, aulopiform and myctophiform fishes from Colombian Pacific waters of the tropical eastern Pacific. *Biota Colombiana*.

Richards, W. J., **C. C. Baldwin**, and A. Ropke. 2005. Chapter 119, Serranidae: Sea basses. Pp. 1225-1229 in: Richards, W. J. (Ed.) *Early Stages of Atlantic Fishes: An Identification Guide for the Western Central North Atlantic, Volume 1*. Taylor & Francis, Boca Raton, FL. 1335 p.

Richards, W. J., **C. C. Baldwin**, and A. Ropke. 2005. Subfamily Serraninae, pp. 1230 – 1249 in: Richards, W. J. (Ed.) *Early Stages of Atlantic Fishes: An Identification Guide for the Western Central North Atlantic, Volume 1*. Taylor & Francis, Boca Raton, FL. 1335 p.

Richards, W. J., **C. C. Baldwin**, and A. Ropke. 2005. Subfamily Epinephelinae, pp. 1250 – 1313 in: Richards, W. J. (Ed.) *Early Stages of Atlantic Fishes: An Identification Guide for the Western Central North Atlantic, Volume 1*. Taylor & Francis, Boca Raton, FL. 1335 p.

Richards, W. J., **C. C. Baldwin**, and A. Ropke. 2005. Subfamily Anthiinae, pp. 1314 – 1331 in: Richards, W. J. (Ed.) *Early Stages of Atlantic Fishes: An Identification Guide for the Western Central North Atlantic, Volume 1*. Taylor & Francis, Boca Raton, FL. 1335 p.

- Van Tassell, J. and **C. C. Baldwin**. 2004. A review of the gobiid genus *Akko* (Teleostei: Gobiidae) with description of a new species. *Zootaxa* 462:1-15.
- Baldwin, C. C.** and D. G. Smith. 2003. Larval Gobiidae (Teleostei: Perciformes) of Carrie Bow Cay, Belize, Central America. *Bulletin of Marine Science* 72:639-674.
- Smith, C. L., J. C. Tyler, W. P. Davis, R. S. Jones, D. G. Smith, and **C. C. Baldwin**. 2003. The Fishes of the Pelican Cayes, Belize, Central America. *Atoll Research Bulletin*.
- Randall, J. E., **C. C. Baldwin**, and J. T. Williams. 2002. *Pseudogramma xanthum*, a new, replacement name for a species of serranid fish from the subtropical South Pacific Ocean. *Zootaxa* 40:1-8.
- Anderson, W. D., Jr. and **C. C. Baldwin**. 2002. *Plectranthias lamillai* Rojas and Pequeno, 1998: A junior synonym of *P. exsul* Heemstra and Anderson, 1983. *Copeia* 2002(1):233-238.
- Baldwin, C. C.** and J. M. McCosker. 2001. Wrasses of the Galápagos Islands, with the description of a new deepwater species of *Halichoeres* (Perciformes: Labridae). *Revista de Biología Tropical* 49 Supl. 1:89-100.
- Anderson, W. D., Jr. and **C. C. Baldwin**. 2000. A new species of *Anthias* (Teleostei: Serranidae: Anthiinae) from the Galápagos Islands, with keys to *Anthias* and eastern Pacific Anthiinae. *Proc. Biol. Soc. Wash.* 113:339-355
- Baldwin, C. C.**, J. M. Leis and D. S. Rennis. 2000. Epinephelinae, Tribes Niphonini and Epinephelini (Groupers, Rock-cods, Coral trouts). pp. 377-382 *in* Leis, J.M. and B.M. Carson-Ewart. (eds). 2000. The larvae of Indo-Pacific coastal fishes. An identification guide to marine fish larvae. (Fauna Malesiana Handbooks 2). E.J. Brill, Leiden, 850 pp.
- Baldwin, C. C.**, J. M. Leis and D. S. Rennis. 2000. Epinephelinae, Tribes Diploprionini, Liopropomini and Grammistini (Soapfishes, Basslets). pp. 383-389 *in* Leis, J.M. and B.M. Carson-Ewart. (eds). 2000. The larvae of Indo-Pacific coastal fishes. An identification guide to marine fish larvae. (Fauna Malesiana Handbooks 2). E.J. Brill, Leiden, 850 pp.
- A. G. Miskiewicz, **C. C. Baldwin**, J. M. Leis and D. S. Rennis. 2000. Callanthiidae (Yellow-fin Basses, Splendid Perches). pp. 280-284 *in*: Leis, J.M. and B.M. Carson-Ewart. (eds). 2000. The larvae of Indo-Pacific coastal fishes. An identification guide to marine fish larvae. (Fauna Malesiana Handbooks 2). E.J. Brill, Leiden, 850 pp.
- Baldwin, C. C.** and G. D. Johnson. 1999. *Paxton concilians*, a new genus and species of pseudamine apogonid (Teleostei: Percoidei) from western Australia: The sister group of the enigmatic *Gymnapogon*. *Copeia* 1999:1050-1071.
- Smith, D. G. and **C. C. Baldwin**. In 1999. *Psilotris amblyrhyncus*, a new seven-spine goby (Teleostei: Gobiidae) from Belize, with notes on settlement-stage larvae. *Proceedings of the Biological Society of Washington* 112(2):433-442.
- Hendler, G., **C. C. Baldwin**, D. G. Smith, and C. E. Thacker. 1999. Planktonic dispersal of juvenile brittle stars (Echinodermata: Ophiuroidea) on a Caribbean Reef. *Bulletin of Marine Science* 65:283-288.

**Baldwin, C. C.** and W. L. Smith. 1998. *Belonoperca pylei*, a new species of seabass (Teleostei: Serranidae: Epinephelinae: Diploprionini) from the Cook Islands with comments on relationships among diploprionins. *Ichthyological Research* 45:325-339.

**Baldwin, C. C.** and F. Neira. 1998. Serranidae, (Anthiinae): Sea basses, sea perches, wirrahs. *In: Neira, F. J., A. G. Miskiewicz, and T. Trnski (eds.). Larvae of temperate Australian Fishes. Laboratory Guide for Larval fish Identification.* University of Western Australia Press, Nedlands, Western Australia.

**Baldwin, C. C., G. D. Johnson, and J. R. Paxton.** 1997. *Protoblepharon rosenblatti*, a new genus and species of flashlight fish (Beryciformes: Anomalopidae) from the tropical South Pacific, with comments on anomalopid phylogeny. *Proceedings of the Biological Society of Washington* 110:373-383.

Randall, J. E. and **C. C. Baldwin.** 1997. Revision of the serranid fishes of the subtribe Pseudogrammina, with descriptions of five new species. *Indo-Pacific Fishes* 26:1-56.

Almany, G. and **C. C. Baldwin.** 1996. A new Atlantic species of *Acanthemblemaria* (Teleostei: Blennioidei: Chaenopsidae): Morphology and relationships. *Proceedings of the Biological Society of Washington* 109:419-429.

**Baldwin, C. C.** and G. D. Johnson. 1996. Interrelationships of Aulopiformes, pp. 355-404 *in: Stiassny, M. L. J., L. R. Parenti, and G. D. Johnson (eds.). Interrelationships of Fishes.* Academic Press, San Diego.

**Baldwin, C. C., B. B. Collette, L. R. Parenti, D. G. Smith, and V. G. Springer.** 1996. Collecting Fishes. pp. 11-33 *in: Lang, M. A. and C. C. Baldwin (eds.). Methods and Techniques of Underwater Research.* Proceedings of the 16th Annual Scientific Diving Symposium, American Academy of Underwater Sciences.

Johnson, G. D., **C. C. Baldwin,** M. Okiyama and Y. Tominaga. 1996. Osteology and relationships of *Pseudotrichonotus altivelis* (Teleostei: Aulopiformes: Pseudotrichonotidae). *Ichthyological Research* 43:17-45.

**Baldwin, C. C.** and G. D. Johnson. 1995. A larva of the Atlantic flashlight fish, *Kryptophanaron alfredi* (Beryciformes: Anomalopidae) with a comparative look at known beryciform and stephanoberyciform larvae. *Bulletin of Marine Science* 56:1-24.

Johnson, G. D. and **C. C. Baldwin.** 1994. Accounting for endothermy in Scombroid Fishes. (Technical Comment). *Science* 265:1249-1251.

**Baldwin, C. C.** and G. D. Johnson. 1993. Phylogeny of the Epinephelinae (Teleostei: Serranidae). *Bulletin of Marine Science*, 22:240-283.

Olney, J. E., G. D. Johnson and **C. C. Baldwin.** 1993. Phylogeny of lampridiform fishes. *Bulletin of Marine Science*, 52:137-169.

Musick, J. A., J. E. Olney and **C. C. Baldwin.** 1992. History and status of the VIMS fish collection (1951-1992). *Virginia Institute of Marine Science Special Scientific Report No. 129.* 57 p.

**Baldwin, C. C.** and G. D. Johnson. 1991. A larva of the poorly known serranid fish, *Jeboehlkia gladifer* (Teleostei: Serranidae: Epinephelinae). Fishery Bulletin 89:535-537.

**Baldwin, C. C.**, G. D. Johnson and P. L. Colin. 1991. Larvae of *Diploprion bifasciatum*, *Belonoperca chabanaudi* and *Grammistes sexlineatus* (Serranidae: Epinephelinae) with a comparison of known larvae of other epinephelines. Bulletin of Marine Science 48:67-93.

**Baldwin, C. C.** 1990. Morphology of the larvae of American Anthiinae (Teleostei: Serranidae) with comments on relationships within the subfamily. Copeia 1990:913-955.

#### ❑ **Book Reviews**

**Baldwin, C. C.** 2003. The Living Marine Resources of the Western Central Pacific. FAO Species Identification Guide for Fishery Purposes. Vol. 1-6. Copeia 2003:212-214.

**Baldwin, C. C.** 2002. Evolution's Workshop: God and Science on the Galápagos Islands, by Edward J. Larson. ISIS 93:90-91.

**Baldwin, C. C.** 1998. Fishes of the Galápagos Islands, by J. S. Grove and R. J. Lavenberg. American Zoologist 1998: 583-584.

**Baldwin, C. C.** 1998. Fishes, Crayfishes and Crabs. Louis Renard's *Natural History of the Rarest Curiosities of the Seas of the Indies*. Vol. 1. Commentary and English Text. Vol 2. Facsimile and Plates. Edited by T. W. Pietsch. The Quarterly Review of Biology, p. 58.

**Baldwin, C. C.** and G. D. Johnson. 1994. FAO Species Catalogue. Vol. 16. Groupers of the World (Family Serranidae, Subfamily Epinephelinae). An Annotated and Illustrated Catalogue of the Grouper, Rockcod, Hind, Coral Grouper, and Lyretail Species Known to Date by Phillip C. Heemstra and John E. Randall. 1993. Copeia 1994:1058-1061

#### ❑ **Popular 1Books**

**Baldwin, C. C.** and J. H. Mounts. *One Fish, Two Fish, Crawfish, Bluefish -- The Smithsonian Sustainable Seafood Cookbook*. Smithsonian Books. October 2003.

#### ❑ **Edited Volumes**

Lang, M. A. and **C. C. Baldwin** (eds.). 1996. Methods and Techniques of Underwater Research. Proceedings of the 16th Annual Scientific Diving Symposium. American Academy of Underwater Sciences, 236 p.

#### ❑ **Popular Articles**

**Baldwin, C. C.** *Lizardfishes, Lanternfishes*. 2005. The New Encyclopedia of Aquatic Life. Andromeda Oxford Limited.

**Baldwin, C. C.** 2001. Foreword for *Just Boats*, by Sunny Reynolds, Running Press.

**Baldwin, C. C.** *1Galapagos - Islands of Change*. 2000. Science Scope Magazine. National Science Teachers Association. Vol 23(4): 32-34.

#### ❑ **1Websites/Blogs**

*Seafood for Thought* - <http://ocean.si.edu/blog/seafood-thought>. Smithsonian Ocean Portal, November 2010.

*Expedition to Galapagos* – [www.mnh.si.edu/expeditions/galapagos](http://www.mnh.si.edu/expeditions/galapagos)

*Sustainable Seafood* – [www.si.edu/seafood](http://www.si.edu/seafood)

## Recent Professional Activities

### □ Grants and Other Income (≥ \$5,000)

- **Baldwin, C. C.**, L. A. Weigt, H. Lessios, M. Hagedorn, and D. R. Robertson. Deep Reef Observation Project (DROP): A Smithsonian-Substation Curacao Collaboration. Consortium for Understanding and Sustaining a Biodiverse Planet, Office of the Undersecretary for Science, Smithsonian Institution, 2011, \$20,000.
- **Baldwin, C.C.** From Chaos to Clarity: Reconciling Genetic Lineages and Species in Western Central Atlantic Shorefishes. Smithsonian Marine Science network, 2009-2011, \$28,685.
- **Baldwin, C.C.** Reconciling Genetic Lineages and Species in western Central Atlantic *Starksia* (Teleostei: Blennioidei: Labrisomidae). NMNH Small Grants Program, 2010, \$5,000.
- **Baldwin, C. C. (Principal Investigator)**, Weigt, L. A. and Smith, D. G. (Co-principal Investigators). Towards a Better Understanding of Shorefish Diversity in the Western Central Atlantic. Smithsonian Marine Science Network, 2008-2009, \$25,000.
- **Baldwin, C. C.**, L. A. Weigt, and D. G. Smith. Towards a Better Understanding of Shorefish Diversity in the Western Central Atlantic: Morphological and Molecular Comparisons of Fishes from Belize, Central America and Southeastern Florida. Smithsonian Marine Station at Fort Pierce, 2007, \$9549.80.

### □ Professional Service and Appointments

- Research Associate, Center for Systematic Biology and Evolution, ANSP, 2011-2014
- Board of Directors, National Aquarium D.C. venue, 2010-present
- NMNH Science Achievement Awards Committee, 2011
- Academic Editor, Fishes, for Peer-reviewed journal *ZooKeys*, 2010-present
- Elected Council, Biological Society of Washington, 2010-present
- NMNH Ocean-Hall Exhibit Extended Team, 2010 – present
- Biological Society of Washington, Membership Committee, 2011-present
- Manuscript reviews for the scientific journals *Aqua*, *Zootaxa*, *Zoologischer Anzeiger*, *Copeia*, *Biological Society of Washington*, *Memoirs of Museum Victoria*, *Marine Biodiversity Records*, *Caribbean Journal of Science*, *American Philosophical Society*, *Bulletin of Marine Science*
- 1NMNH Ocean-Hall Exhibit Core Team, 2003-2009
- Adjunct Faculty, The George Washington University, 2003-present
- Steering Committee, Caribbean Coral-Reef Ecosystems Program (1996-2007)

### □ Students/Interns

- Ben Frale, University of Washington, Research Intern, Summer 2011 (advisor)
- Brendan Luther, Clemson University, Research Intern, Summer 2011(advisor)
- Amandine Vaslet, MSN Postdoctoral Fellow, 2009-2010 (co-advisor)
- Jessica Glass, Natural History Research Experience Intern Program, June-August 2010 (advisor)

- Ángel Balam Jiménez, Universidad Nacional Autónoma de México master's student, 2009 – present (graduate committee member)
- Cristina Castillo, NMNH Research intern, August 2009 – December 2011 (advisor)
- Donald Griswold, NMNH Research intern, September – December 2010 (advisor)
- Justin Bagley, SMSFP Link Fellow, May – Aug. 2007
- Liliana Lettieri, SMSFP Link Fellow, June-Sept. 2007
- Zachary Foltz, SMSFP Research Intern, May – Aug. 2007
- Cody Payne, NMNH Research Intern, June – Aug. 2007

#### □ **Field Work**

- 2011. Curacao, deep-reef submersible work, expedition leader
- 2010. R/V Miguel Oliver, deepwater trawling off Central America\*
- 2010. Carrie Bow Cay, Belize, expedition leader
- 2010. Coastal Texas\*\*
- 2010. Florida, SMSFP, Ft. Pierce, expedition leader
- 2009. Florida, SMSFP, Ft. Pierce, expedition leader
- 2009. South Caicos, Turks & Caicos Islands, expedition co-leader
- 2009. Bahamas, Berry Islands, expedition leader
- 2009. Tobago, Trinidad & Tobago, expedition leader
- 2008. Carrie Bow Cay, Belize, expedition leader
- 2008. Bahamas, Berry Islands, expedition leader
- 2008. Curacao, Carmabi Research Lab, expedition leader
- 2007. Carrie Bow Cay, Belize, expedition leader
- 2007. Southeastern Florida, USA, expedition leader

\* Coordinated participation by intern, Castillo, and shipment of frozen specimens and tissue samples to NMNH

\*\* Coordinated participation by Fish Division Museum Specialist, Diane Pitassy

#### □ **Recent Professional Presentations**

- Vaslet, A., C. France, D. L. Phillips, I. C. Feller, and **C. C. Baldwin**. “Stable-isotope analyses reveal the importance of seagrass beds as feeding areas for juvenile *Myrophis punctatus* (Ophichthidae) recruiting in the coastal waters of Florida.” Coastal and Estuarine Research Federation, Daytona, FL, November 2011.
- **Baldwin, C. C.** and D. R. Robertson. “Exploring Deep Reef Fishes off Curacao,” Annual Meetings of the American Society of Ichthyologists and Herpetologists, Minneapolis, MN, July 2011.
- **Baldwin, C. C.** and L. A. Weigt. “Deep Reef Observation Project (DROP): A Smithsonian-Substation Curacao Collaboration. National Museum of Natural History, February 2011.
- **Baldwin, C.C.**, C.I. Castillo, and L.A. Weigt. “A New Look at Species Diversity of Western Atlantic *Starksia* (Teleostei: Labrisomidae) Using a Molecular/Morphological Approach.” American Society of Ichthyologists and Herpetologists, Providence, RI, July 7-12, 2010.
- Glass, J.A and **C.C. Baldwin** “Species or Populations? Investigations of Genetic Divergence in Western Atlantic *Bathygobius*. National Museum of Natural History, NHRE research presentations, August 2010.

- Tornabene, L., **C.C. Baldwin**, L. A. Weigt, and F. Pezold. “Exploring the Diversity of Western Atlantic *Bathygobius* (Teleostei: Gobiidae) with Cytochrome c Oxidase-I.” American Society of Ichthyologists and Herpetologists, Providence, RI, July 7-12, 2010.
  - Vaslet, A, I. Feller, **C.C. Baldwin**. Variation of isotopic signatures among mangrove fish species: an assessment of the relative importance of interlinked mangrove-seagrass beds as fish feeding habitats in subtropical and tropical latitudes. The 7th International Conference on Applications of Stable Isotope Techniques to Ecological Studies, Fairbanks, Alaska, USA 8-13 August, 2010
  - **Baldwin, C. C.** *Investigations of Fish Diversity*. School for Field Studies, Turks & Caicos Islands, South Caicos, October 14, 2009.
  - **Baldwin, C. C.** *Sustainable Seafood*. Booze Allen Hamilton Environmental Awareness Week, McLean, VA, 4/27/09
  - **Baldwin, C. C.** *Journey to Earth’s Inner Space*, Smithsonian Associates “Weekend in Washington” Baird Auditorium, 11/15/08
  - **Baldwin, C. C.** *Journey to Earth’s Inner Space*, lecture and book signing for the Washington, D.C. stop of the Lindblad/Smithsonian Journeys cruise "From the Canadian Maritimes to the Straits of Florida," 10/9/08.
  - **Baldwin, C. C.** *Journey to Earth’s Inner Space*, The Smithsonian Associates Lecture Series: The Ocean, 10/23/08, Baird Auditorium. 1
  - **Baldwin, C. C.**, D. G. Smith, and L. A. Weigt. From larvae to lineages. MSN talk
  - **Baldwin, C. C.**, **J. H. Mounts**, **D. G. Smith**, **A. Driskell**, and **L. A. Weigt**. *Life-History Stages of Belizean Apogonidae: Insights from DNA Barcoding, Morphology, and Color Photography*. American Society of Ichthyologists and Herpetologists Conference, St. Louis, MO, July 2007 (Poster Presentation)
  - **Baldwin, C. C.** Keynote Address. *Journey to Earth’s Inner Space*. Smithsonian Educator Biodiversity Workshop, July 17, 2007.
  - **Baldwin, C. C.** Keynote Address. *Journey to Earth’s Inner Space*. Wisconsin Society of Science Teachers, Green Bay, WI, 3/24/07
  - **Baldwin, C. C.** Keynote Address. *Journey to Earth’s Inner Space*. Biosymposium 2007, James Madison University, Harrisonburg, VA, 3/22/07
  - **Baldwin, C. C.** *Journey to Earth’s Inner Space*. Smithsonian Marine Station Evening Lecture Program, Ft. Pierce, FL, 3/15/07.
- **Science Advisor/Reviewer for:**
- *Water Life* DVD Series – 2010-2011
  - *Animal Studies.—Science and Technology for Children Books*. The National Academy of Sciences and the National Science Resources Center (Smithsonian Institution). 2004-2007
  - National Science Teacher’s Association’s *Galapagos. A Teacher’s Resource Guide*. Smithsonian Institution and Imax LTD. 2000. \
  - Institute of Learning Innovation’s Discover Galapagos. A Family Adventure Exploring Biodiversity and Evolution. Smithsonian Institution, 1999.
  - National Science Teacher’s Association’s *Ecology and Evolution. Islands of Change*. National Science Teacher’s Association Press, Arlington, VA. 2000.
  - IMAX *Galapagos* web site (<http://www.imax.com/galapagos/>) and NSTA Galapagos web site (<http://pubs.nsta.org/galapagos/>)



## □ **Community Outreach**

- Study Tour Leader, Galapagos, Smithsonian Women's Committee, Smithsonian Legacy Society, and Smithsonian Journeys 2010; Smithsonian Journeys Galapagos Tours 2001, 2003, 2004, 2005, 2006, 2007; National Board Galapagos trip, 2001
- *The Scientist is In* – Sant Ocean Hall, 2009, 2010, 2011
- Selected Ocean-Exhibit Tours: “Group of 50,” 9/1/2011; Smithsonian Board of Regents, 9/22/08; Sony Executives, 9/25/08; Secretary of Commerce Gutierrez and Sant family, 9/26/08; Congressman Sam Farr, 9/29/08; Wyland (marine artist), 9/29/08; Congressional Open House, 10/1/08; NOAA Open House, 10/2/08; Smithsonian National Board member Mary Ourisman, 10/6/08; House Appropriations Committee, 10/17/08; Smithsonian National Board, 10/23/08; COSEE, 11/3/08; Turkish Embassy staff, 11/3/08; the Reynolds Foundation, 10/30/08; Naval Museum and Foundation, 11/5/08; local University Presidents, 12/4/08; the Sant Family, 11/9/08; Frances Whittelsey, Blogger at The Equalizer (<http://theequalizerfcw.blogspot.com/>), 11/1/08; D. C. Chamber of Commerce, 11/18/08; National Science Foundation, 11/19/08; Congressman Sam Farr and staff, 2/18/09; Matt Bond, Comcast CEO, 4/1/09; Prince Albert of Monaco, 4/6/09; Feo Pitcairn tour group, 4/24/09; Booze Allen Hamilton Staff Day, 4/26/09; Sheik of Abu Dhabi, 6/26/09; Oceana Board of Directors, 2010; CEO of Showtime Channel, 2010; World Ocean Day Interns, 2011.
- Hosted more than 50 school groups visiting the Smithsonian to view *Galapagos 3D* or the Sant Ocean Hall, 2005-present.

## □ **Recent Awards**

- NMNH Peer Recognition Award for service as Curator of Sant Ocean Hall, December 2008
- Ronald E. Carrier Distinguished Alumni Award, James Madison University, Fall 2006
- Women Divers Hall of Fame, Inducted 2003

## **Publicity**

- Selected articles related to publication of *Zookeys* paper on new species of *Starksia*. U.S. News & World Report: <http://www.usnews.com/science/articles/2011/02/08/smithsonian-scientists-discover-7-new-species-of-fish>; UPI: [http://www.upi.com/Science\\_News/2011/02/04/DNA-evidence-yields-new-fish-species-find/UPI-18101296860843/](http://www.upi.com/Science_News/2011/02/04/DNA-evidence-yields-new-fish-species-find/UPI-18101296860843/); Practical Fish Keeping: <http://www.practicalfishkeeping.co.uk/content.php?sid=3613> ; Warta News (Indonesia): <http://www.wartanews.com/read/Techno/31149dc7-19ec-03a6-0af4-a7f55dc00895/Penemuan-Spesies-Ikan-Baru>; Virgilio (Italy): [http://notizie.virgilio.it/notizie/scienze\\_e\\_tecnologie/2011/02\\_febbraio/10/scienza\\_dna\\_aiuta\\_a\\_s\\_coprire\\_sette\\_nuove\\_specie\\_pesci,28276872.html](http://notizie.virgilio.it/notizie/scienze_e_tecnologie/2011/02_febbraio/10/scienza_dna_aiuta_a_s_coprire_sette_nuove_specie_pesci,28276872.html); VN News (Vietnam): <http://vn.news.yahoo.com/sgtt/20110209/tsc-kham-pha-bay-loai-ca-bong-lon-may-5548442.html>; ScienceBlog.com: <http://scienceblog.com/42456/smithsonian-scientists-discover-7-new-species-of-fish/>; E-ScienceNews.org: <http://esciencenews.com/articles/2011/02/04/smithsonian.scientists.discover.7.new.species.fish>; The Barcode Blog: <http://phe.rockefeller.edu/barcode/blog/>; PhysOrg.com: <http://www.physorg.com/news/2011-02-smithsonian-scientists-species-fish.html>

- Selected press interviews related to the opening of the Sant Ocean Hall, NMNH: Fox 5 news story “New Ocean Hall to Open at Smithsonian Natural History Museum,” 9/25/08, <http://www.myfoxdc.com/myfox/pages/News/Detail?contentId=7513726&version=1&locale=EN-US&layoutCode=TSTY&pageId=3.2.1>; Medill Reports – Washington news story “Marine Life Helps Earthlings Breathe Easier,” 10/21/08, <http://news.medill.northwestern.edu/washington/news.aspx?id=101275>; dcist.com “Science Club,” 10/11/08, [http://dcist.com/2008/10/11/science\\_club\\_carole\\_baldwin.php](http://dcist.com/2008/10/11/science_club_carole_baldwin.php); Harvey Leifert - “World’s ocean revealed as one vast and complex system in new Sant Ocean Hall,” *Inside Smithsonian Research – Fall 2008*, [http://www.si.edu/opa/insideresearch/articles/V22\\_OceanHall.html](http://www.si.edu/opa/insideresearch/articles/V22_OceanHall.html); Stephanie Guzik - “Meet the Team,” Natural History News, <http://www.mnh.si.edu/eNewsletter/2008Autumn/>; two Smithsonian Networks shows – a short feature promoting the Sant Ocean Hall that began airing in the fall, and a *Spotlight on Smithsonian* piece with Susan Spencer; Doubt Evolution? See the Smithsonian’s Ocean Exhibit, <http://theequalizerfcw.blogspot.com/2009/06/doubt-evolution-see-smithsonians-ocean.html>; featured scientist in the first *The Scientist Is In* video web blog hosted by Discovery Deep Sea News.
  
- Selected press interviews for *One Fish, Two Fish, Crawfish, Bluefish—The Smithsonian Sustainable Seafood Cookbook: Nature Conservancy*; *Washington Post*; *Washington Times*; *Washingtonian*, *Charleston Post & Courier*; *Smithsonian “Torch,” Providence Journal*; *Santa Rosa Democrat*, NPR “*Chef’s Table*,” Philadelphia; NPR “*Here on Earth*,” Wisconsin; “*Radio Active Ocean Adventure Hour*, WSTU 1450 AM, Ft. Pierce, FL; *Organic Style Magazine*; *Chicago Tribune*; *Chef Rick*, Asheville, NC; *Boat US Magazine*; *Coastal Living*; *Smithsonian Magazine*; *National Geographic “My 7,” National Zoo “Zoogoer,” Michael Buckley’s “Voices of the Bay,” The Baltimore Sun*; *Alternative Medicine Magazine*; *Museum Menu Features History, Shellfish*, The Santa Barbara News; *Nautical Neighbor: The Fish Lady*, *Offshore Magazine*.
  
- Selected press interviews for *Galapagos 3D* and marine research: *Associated Press*, *Smithsonian Magazine*, *Outside Magazine*, *Family Circle Magazine*, *Discover Magazine*, *U.S. News & World Report*, *Chicago Tribune Network*, *International Herald Tribune*, *London Sunday Mirror*, *CNN Saturday Morning*, *Channel 4 News (D.C.)*, *News8 Cable Washington*, *KTLA Morning News (Los Angeles)*, *The Washington Post, Post & Courier (Charleston, SC)*, *ABC Discovery*, *The Los Angeles Times*, *Fox Morning News (Los Angeles)*, *Sydney Herald Sun*, *Herald Sun (Melbourne)*, *ABC Radio National (Melbourne)*, *Channel Seven Denise Program (Melbourne)*, *Brisbane News*, *ABC Radio 4QR Andrew Lofthouse Program (Brisbane)*, *ABC Melbourne TV The 10:30 Slot*, *Channel 7 Big Breakfast (Australian national TV)*, *The Today Show (Sydney)*, *The Sunday Mail (Adelaide)*, *St. Paul Pioneer Press (Minneapolis)*, *The Miami Herald*, *The Arizona Sun*, *The Advocate (Stamford, CT)*, *Auf Einen Blick (Germany)*.