

# François Michonneau

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## Education

- **Ph.D.** (since August 2006), Department of Biology, University of Florida, Gainesville, USA.  
Advisor: Gustav Paulay. Thesis title: “Evolution and systematics of Aspidochirotida (Echinodermata: Holothuroidea)”.
- **M.S.**, 2005: Ecology, Biodiversity, Evolution. Pierre & Marie Curie University, Paris 6, France.  
Advisor: Mehdi Adjeroud. Dissertation title: “Post-settlement mortality in scleractinian corals around Moorea Island, French Polynesia”.
- **Maîtrise**, 2004. Tropical Biology, La Réunion University, France.  
Advisor: Chloé Bourmaud. Dissertation title: “Hydroids colonizing artificial reefs in La Possession Bay, La Réunion Island”.
- **Licence**, 2003. Marine Biology. La Rochelle University, France.  
Advisor: Jean-Marc Thiron. Dissertation title: “Herpetofauna of the French Atlantic Islands”.

## Summer courses

- 2011: Marine Invertebrate Zoology, at Friday Harbor Laboratory (WA). June 20 - July 22.
- 2010: Molecular Evolution Workshop at the Marine Biological Laboratory (Woods Hole, MA). July 25 - August 6.
- 2008: Phyloinformatics Summer course (R track) at the National Evolutionary Synthesis Center (Durham, NC). July 24 - August 4.

## Employment

- 2006-: Research Assistant, Division of Malacology, Florida Museum of Natural History, University of Florida.
- 2005-2006: Statistical Modélisation, CEMAGREF, Montpellier, France.

## Software

- Contributor to **phylobase**: an R package providing S4 classes and methods for representing and manipulating phylogenetic trees and data in R. <http://bit.ly/phylobase>

## Refereed Publications

- Seifert A.W., Monaghan J.R., Smith M.D., Pash B., Stier A.C., Michonneau F., Maden M. 2011. The influence of fundamental traits on mechanisms controlling appendage regeneration. *Biological Reviews*. DOI: 10.1111/j.1469-185X.2011.00199.x
- Uyeno D., Michonneau F., Paulay G., Naruse T., 2011. New record of the sea cucumber *Holothuria Halodeima nigralutea* Aspidochirotida: Holothuriidae from Okinawa Island, Ryukyu Islands, Japan. *Biological Magazine of Okinawa*. 49:103-107.
- Penin L., Michonneau F., Carroll A., Adjeroud M., 2011. Effects of predators and grazers exclusion on early post-settlement coral mortality. *Hydrobiologia*. 663(1):259-264. DOI: 10.1007/s10750-010-0569-0
- Conand C., Michonneau F., Paulay G., Bruggemann H. 2010. Diversity of the holothuroid fauna (Echinodermata) in La Réunion (Western Indian Ocean). *Western Indian Ocean Journal of Marine Science*. 9(2):145-151.
- O'Loughlin P.M., Davey N., Paulay G., Michonneau F., 2010. The Antarctic Region as a marine biodiversity hotspot for echinoderms: diversity and diversification of sea cucumbers. *Deep Sea Research Part II: Topical Studies in Oceanography*. 58(1-2):264-275. DOI: 10.1016/j.dsr2.2010.10.011
- Penin L., Michonneau F., Baird A.H., Connolly S.R., Pratchett M.S., Kayal M., Adjeroud M., 2010. Early post-settlement mortality and the structure of coral assemblages. *Marine Ecology Progress Series* 408:55-64. DOI: 10.3354/meps08554
- Adjeroud M., Michonneau F., Edmunds P.J., Chancerelle Y., Lison de Loma T., Penin L., Thibaut L., Vidal-Dupiol J., Salvat B., Galzin R., 2009. Recurrent disturbances, recovery trajectories, and resilience of coral assemblages on South Central Pacific reef. *Coral Reefs* 28:775-780. DOI: 10.1007/s00338-009-0515-7
- Irz P., De Bortoli J., Michonneau F., Whittier T.R., Oberdorff T., Argillier C., 2007. Controlling for natural variability in assessing the response of fish metrics to anthropogenic pressures for Northeast U.S.A. lakes. *Aquatic Conservation – Marine and Freshwater Ecosystems* 18(5):633-646. DOI: 10.1002/aqc.859
- Irz P., Michonneau F., Oberdorff T., Whittier T.R., Lamouroux N., Mouillot D., Argillier C., 2007. Fish community comparisons along environmental gradients in lakes of France and Northeast U.S.A. *Global Ecology and Biogeography* 16(3):350-366. DOI: 10.1111/j.1466-8238.2006.00290.x

## Grants and Awards

- 2011: Ed Stolarz Memorial Fellowship in Marine Biology, University of Florida. \$1,500.
- 2011: Doctoral Dissertation Improvement Grant, National Science Foundation. \$14,996.
- 2011: Graduate Student Council Travel Grant. University of Florida, \$250.
- 2010: Ernst Mayr Travel Grant. Museum of Comparative Zoology, Harvard University, \$1,000.
- 2009: Graduate Student Service Award. Department of Biology, University of Florida, \$100.
- 2008: Travel Grant. Department of Zoology, University of Florida, \$250.

## Teaching experience

- University of Florida, Fall 2010, Fall 2011. Evolution (PCB4674).
- University of Florida, Spring 2009, Spring 2010. Guest lectures on echinoderms. Invertebrate Zoology (ZOO2203C)
- University of Florida, Fall 2007, Spring 2011. Teaching assistant: Invertebrate zoology (ZOO2203C)
- La Réunion University, Spring 2004. Teaching assistant: Introductory biology

## Invited talk

- 2010: Patterns of diversity in Indo-Pacific sea cucumbers. University of the Ryukyus, Japan.

## Communications at meetings

- Michonneau F., 2011. Patterns of speciation in sea cucumbers. Society for Integrative & Comparative Biology. Salt Lake City, UT, USA.
- Conand C., Michonneau F., Paulay G., Bruggemann H., 2009. Diversity of the Holothuroid fauna (Echinodermata), in La Réunion (Western Indian Ocean). Poster – 6th Western Indian Ocean Marine Science Association. Saint-Denis, La Réunion.
- Michonneau F., Netchy K., Starmer J., McPherson S., Campbell C. A., Katz S., Kenyon L., Zill J., O’Loughlin M., Kerr A. M., Paulay G., 2008. Mitochondrial markers reveal many species complexes and non-monophyly in aspidochirotid holothurians – 13th International Echinoderm Conference. Hobart, Tasmania, Australia.
- Martínez-Melo A., Michonneau F., Paulay G., Solís-Marín F. A., 2009. Taxonomic revision of the genus *Euapta* (Holothuroidea, Synaptidae). Poster – 13th International Echinoderm Conference. Hobart, Tasmania, Australia.
- Campbell C., Honey M., Kenyon L., Kerr A., Kim S., Massin C., McPherson S., Mezali K., Michonneau F., Netchy K., O’Loughlin M., Paulay G., Pawson D., Rowe F., Samyn Y., Smiley S., Solis-Marín F., Starmer J., Thandar A., Van den Spiegel D., Werner T., 2008. The Holothurian PEET project and the Aspidochirotid working group: Integrative taxonomy on a large scale – 5th North American Echinoderm Conference, Melbourne, FL, USA.
- Michonneau F., Kim S., Kerr A., 2008. Holothurians of Kosrae (Federated States of Micronesia) and Majuro (Marshall Islands). Poster – 5th North American Echinoderm Conference, Melbourne, FL, USA.
- Michonneau F., Netchy K., Starmer J., McPherson S., Campbell C. A., Kenyon L., Kerr A. M., Paulay G., 2008. Speciation in Aspidochirotid holothurians – 5th North American Echinoderm Conference, Melbourne, FL, USA.
- Paulay G., Kerr A., Michonneau F., Netchy K., McPherson S., O’Loughlin M., Starmer J., 2008. The cucumber tree: phylogeny and evolution of holothurians, with a focus on Aspidochirotidids – 5th North American Echinoderm Conference, Melbourne, FL, USA.
- Adjeroud M., Michonneau F., Edmunds P. J., Chancerelle Y., Penin L., Vidal-Dupiol J., Salvat B., Galzin R., 2008. Recurrent large-scale disturbances, recovery trajectories, and resilience of coral assemblages on a coral reef in the South-Central Pacific – 11th International Coral Reef Symposium, Fort Lauderdale, FL, USA.

- Bruggemann H., Paulay G., Michonneau F., Malay M., Hubert N., Guillaume M. M. M., 2008. Diversity and diversification in the Southwest Indian Ocean (Program ANR BIOTAS) – 11th International Coral Reef Symposium, Fort Lauderdale, FL, USA.
- Michonneau F., Kim S., McPherson S., Netchy K., Starmer J., Kerr A., Paulay G., 2008. New insights into the biodiversity and evolution of aspidochirotid holothurians – 11th International Coral Reef Symposium, Fort Lauderdale, FL, USA.
- Penin L., Michonneau F., Baird A. H., Connolly S. R., Pratchett M. S., Kayal M., Adjeroud M., 2008. Importance of post-settlement mortality on scleractinian population maintenance around Moorea, French Polynesia – 11th International Coral Reef Symposium, Fort Lauderdale, FL, USA.
- Michonneau F., Goudenege D., Bourmaud C., Gravier-Bonnet N., 2004. The life-cycle of *Eudendrium carneum* Clarke 1882 (Cnidaria, Hydrozoa, Eudendriidae), in Réunion island, Indian Ocean. Poster – International Congress on Invertebrate Reproduction and Development, Newcastle, United Kingdom.
- Bourmaud C., Leclerc L., Mangion P., Michonneau F., Pennober G., 2004. Biodiversity of Réunion coral reefs – 10th International Coral Reef Symposium, Okinawa, Japan.

## Field experience

- 2011: Okinawa, Japan. Sea cucumbers sampling.
- 2011: Gulf of Mexico, USA. Invertebrate sampling.
- 2010: Okinawa, Japan. Invertebrate sampling.
- 2010: Guam. Invertebrate sampling.
- 2009: Heron Island, Great Barrier Reef, Australia. CReefs project, invertebrate sampling.
- 2009: Ningaloo Reef, Western Australia, Australia. CReefs project, invertebrate sampling.
- 2009: Lizard Island, Great Barrier Reef, Australia. CReefs project, invertebrate sampling.
- 2008: Indian Ocean, Nosy Bé, Madagascar & Mayotte, France. Invertebrate sampling.
- 2008: Micronesia (Guam, Kosrae, Majuro). Invertebrate sampling.
- 2007: La Réunion, Indian Ocean. Invertebrate sampling.
- 2007: Research cruise (R/V Suncoaster), South Florida. Invertebrate sampling.
- 2007: Research cruise (R/V Urraca) on the Pacific Coast, Panama. Invertebrate sampling.
- 2007: Bocas del Toro, Panama. Invertebrate sampling
- 2005: Moorea, French Polynesia. Ecological field experiments.
- 2004: La Réunion, Indian Ocean. Hydroid collecting.

## Meetings attended

- January 2011: Society for Integrative & Comparative Biology. Salt Lake City, UT, USA.
- January 2009: 13th International Echinoderm Conference. Hobart, Tasmania, Australia.
- July 2008: 5th Northdsqfds American Echinoderm Conference. Melbourne, FL, USA.
- July 2008: 11th International Coral Reef Symposium. Fort Lauderdale, FL, USA.
- March 2007: PEET meeting. Athens, GA, USA.

## Personal activities

- **University service:** IT Committee (since 2007), Public Relations & Fundraising committee, Biology Graduate Student Association (2010-2011). President of the Biology Graduate Student Association (since 2011).
- **Reviewer for:** Zootaxa (4 manuscripts), Oecologia, The American Naturalist.
- **Workshop organization:** contributed to the organization of the sea cucumber workshop, Guam, June 2010 <http://cukeworkshop.wordpress.com>.
- **Contributor to:** <http://spinelessscience.blogspot.com>, a weblog about invertebrates.
- **Member of:** International Society for Reef Studies, Society for the Study of Evolution, American Academy of Underwater Sciences, Society for Integrative & Comparative Biology, Society of Systematic Biologists.