

Curriculum Vitae

OSCAR PUEBLA

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CONTACT

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APPOINTMENTS

- | | |
|----------------|--|
| 2014 – present | Junior Professor
GEOMAR Helmholtz Centre for Ocean Research Kiel (Germany)
University of Kiel (Germany) |
| 2015 – present | Research Associate
Smithsonian Tropical Research Institute (Panama) |
| 2012 – 2014 | Associate Scientist
Smithsonian Tropical Research Institute |
| 2009 – 2012 | Postdoctoral Fellow
Smithsonian Tropical Research Institute |

EDUCATION

- | | |
|-------------|---|
| 2003 – 2009 | PhD in Biology (Neotropical Environment Option)
McGill University (Montreal, Canada)
Thesis: Molecular ecology and evolution in <i>Hypoplectrus</i> coral reef fishes
Advisors: F. Guichard, E. Bermingham |
| 2000 – 2003 | MSc in Oceanography, with distinction
University of Quebec in Rimouski (Canada)
Maurice Lamontagne Institute (Department of Fisheries and Oceans Canada)
Thesis: Population genetic structure of the snow crab (<i>Chionoecetes opilio</i>)
Advisors: J.M. Sévigny, J.C. Brêthes |
| 1996 – 2000 | BSc in Biology
University of Lausanne (Switzerland)
Specialization in Population Biology, Zoology, and Marine Biology |

LANGUAGES

- | | |
|----------------|--|
| French | First language, fluent written and spoken |
| Spanish | Second language, fluent written and spoken |
| English | Third language, fluent written and spoken |
| German | Basic knowledge |

SELECTED CAREER-RELATED EXPERIENCE

- 2014 – present **Associate Editor** for *Marine Biology* (27 assignments with final disposition)
- 2008 – present **Reviewer** for publications (59x), research proposals (~150x) and theses (14x)
PNAS, Nature Ecol. Evol., Trends Ecol. Evol., Proc. Roy. Soc. B, Mol. Ecol. (14x), Evolution, Am. Nat., BMC genomics, BMC Evol. Biol., Heredity, Bioinformatics, Mol. Ecol. Resour., Coral Reefs, MEPS, Mar. Biol., J. Mar. Biol., J. Fish Biol., Env. Biol. Fishes, J. Oc. Sci. Found., Behav. Ecol., Ecol. Appl., Oecologia, J. Anim. Ecol., Diversity, Syst. Biodiv., Glob. Ecol. Biogeo., J. Biogeo., R. Soc. Open Sci., Sci. Rep., PeerJ, PLoS ONE, NSF, Smithsonian Institution, Austrian Science Fund, German Israeli Foundation for Research and Development, ΣΔΕ Graduate Women in Science, James Cook U., U. of Kiel, U. de Montpellier, U. Grenoble Alpes, U. de Los Andes.
- 2016 – present **Teacher for *Biology and Ecology of Fishes***, a two-weeks intensive field course for the Three Seas Program (Northeastern University) based in Bocas del Toro (Panama).
- 2013 – 2016 **Coordinator (2013-2014) and teacher (2013-2016) for *Integrative Tropical Biology***, a three-week IGERT field course for graduate students from the University of Illinois at Urbana-Champaign, Arizona State University and McGill University (STRI, Panama).
- 2011 **Panelist for NSF, Division of Environmental Biology** (Arlington, VA)
- 2010, 2011, 2012 **Invited lecturer in population genetics** for undergraduate and graduate students, including lectures and computer laboratories (University of Panama).
- 2003 – 2008 **Teaching assistant** for *Ecology* (2003), *Ecological Dynamics* (2004, 2005, 2006), *Introduction to Ecology and Evolution* (2007), *Basic Genetics* (2008), *Research in Panama* (2005), *Social Change in Panama* (2007) (McGill University, Montreal).
- 2005, 2006, 2010 **Scientific leader and coordinator** of three vessel-based research expeditions along the Caribbean coasts of Panama (2005), Honduras (2006), and Belize (2010).

 SELECTED PUBLICATIONS

 Sum of the times cited **404** (*Google Scholar*) **286** (*Web of Science*)

- Theodosiou L, McMillan WO, **Puebla O** (2016) Recombination in the eggs and sperm in a simultaneously hermaphroditic vertebrate. *Proceedings of the Royal Society B* 283, 20161821.
- Picq S, McMillan WO, **Puebla O** (2016) Population genomics of local adaptation versus speciation in coral reef fishes (*Hypoplectrus* spp, Serranidae). *Ecology and Evolution* 6, 2109–2124.
- Puebla O**, Bermingham E, McMillan WO (2014) Genomic atolls of divergence in coral reef fishes (*Hypoplectrus* spp, Serranidae). *Molecular Ecology* 23, 5291–5303.
- Puebla O**, Bermingham E, McMillan WO (2012) On the spatial scale of dispersal in coral reef fishes. *Molecular Ecology* 21, 5675–5688. → *Perspective by KE Lottheros (2012) Mol. Ecol. 21, 5637–5639.*
- Puebla O**, Bermingham E, Guichard F (2012) Pairing dynamics and the origin of species. *Proceedings of the Royal Society B* 279, 1085–1092.
- Puebla O**, Bermingham E, Guichard F (2011) Perspective: matching, mate choice, and speciation. *Integrative and Comparative Biology*. 51, 485–491.
- Puebla O**, Bermingham E, Guichard F (2009) Estimating dispersal from genetic isolation by distance in a coral reef fish (*Hypoplectrus puella*). *Ecology* 90, 3087–3098.
- Puebla O** (2009) Ecological speciation in marine v. freshwater fishes. *J. Fish Biol.* 75, 960–996.
- Puebla O**, Bermingham E, Guichard F (2008) Population genetic analyses of *Hypoplectrus* coral reef fishes provide evidence that local processes are operating during the early stages of marine adaptive radiations. *Mol. Ecol.* 17, 1405–1415. → *Perspective by W Salzburger (2008) Mol. Ecol. 17, 1397–1400.*
- Puebla O**, Bermingham E, Guichard F, Whiteman E (2007) Colour pattern as a single trait driving speciation in *Hypoplectrus* coral reef fishes? *Proceedings of the Royal Society B* 274, 1265–1271.

SELECTED GRANTS AND AWARDS

2017	BiodivERsA (co-PI)	EU through DLR/BMBF	378,880 EUR
2016	The Future Ocean cluster grant (PI)	The Future Ocean	60,701 EUR
2016	SIBG – GGI grant (co-PI*)	Smithsonian Institution	49,555 USD
2016	DNSZ Seed Money (PI)	German-Norwegian Study Centre	3,475 EUR
2016	Technology Seed Funding (PI)	GEOMAR	8,000 EUR
2015	Research Grant (PI)	DFG	221,400 EUR
2015	The Future Ocean cluster grant (PI)	The Future Ocean	73,947 EUR
2013	Competitive Grants Program for Science (PI)	Smithsonian Institution	78,347 USD
2012	Scholarly Studies Program (co-PI*)	Smithsonian Institution	67,928 USD
2011	Next Generation Sequencing Grant (co-PI*)	Smithsonian Institution	7,500 USD
2010	Research and Exploration grant (PI)	National Geographic Society	17,500 USD
2009	Postdoctoral Fellowship	Marine Science Network	100,000 USD
2003 – 2007	Levinson Fellowship	McGill University - STRI	15,300 USD
2003, 2004	McGill Graduate Studies Fellowship	McGill University	10,000 CAD
2000	Paul Blanc Grant	<i>Soci�t� Acad�mique Vaudoise</i>	15,000 CHF

* Principal writer (not eligible to be PI on these grants)

SELECTED PRESENTATIONS

Hench K, McMillan WO, **Puebla O** (2017) Genomic Islands in the Caribbean Sea. *Gordon Speciation Conference*, Lucca, Italy.

Hench K, Picq S, Theodosiou L, McMillan WO, **Puebla O** (2016) Speciation and local adaptation in coral reef fishes (*Hypoplectrus* spp). Contributed talk at the *FSBI Annual Symposium*, Bangor, UK.

Puebla O, Picq S, McMillan WO (2015) Genomic architecture of local adaptation versus speciation in coral reef fishes. Contributed talk at the *19th Evolutionary Biology Meeting*, Marseilles, France.

Puebla O, Picq S, McMillan WO, Bermingham E (2015) Mutual mate choice and speciation. Lightning talk and poster at the *Gordon Speciation Conference*, Ventura, CA. → *Poster Award!*

Puebla O, McMillan WO, Bermingham E (2014) Genomic atolls of divergence in *Hypoplectrus* coral reef fishes. Contributed talk at the *Evolution Joint Meeting*, Raleigh, NC.

SELECTED STUDENTS ADVISED

Katharina Fietz	Postdoc (main advisor)	GEOMAR	Present
Derya Akkaynak	Postdoc (main advisor)	GEOMAR	2017
Jorge Pe�a	Postdoc (main advisor)	GEOMAR	2016 – 2017
Sophie Picq	PhD (main advisor)	GEOMAR / Kiel University	2014 – present
Kosmas Hench	MSc/PhD (main advisor)	GEOMAR / Kiel University	2015 – present
Benjamin Moran	Internship (main advisor)	Northeastern University	Present

EXPEDITIONS

Logged scientific dives **700**

2004–2006, 2009–2010, 2013, 2016–2018	Bocas del Toro Research Station, Panama
2004, 2005, 2009, 2010, 2017	Carrie Bow Cay Field Station, Belize
2017	Keys Marine Laboratory, Florida
2017	Magueyes Island Marine Laboratories, Puerto Rico
2010	Research cruise on S/V <i>Legacy</i> (Chief Scientist), Belize
2006	Research cruise on R/V <i>Urraca</i> (Chief Scientist), Honduras
2005	Research cruise on R/V <i>Urraca</i> (Chief Scientist), Guna Yala
2005	Bellairs Research Institute, Barbados