

MAURO LEPORE

[Google Scholar profile](#) | [Fellow Scientist, Smithsonian Tropical Research Institute](#)
+507 6577 6514 | maurolepore@gmail.com

RESEARCH THEMES

Ecology, palaeobiology, coral reefs geomorphology

EDUCATION

- 2015 Ph.D, School of Biological Sciences, *The University of Queensland, Australia.*
Thesis: Long term dynamics of coral reefs in the inshore southern Great Barrier Reef (advisors: Prof. John Pandolfi, Prof. Jian-xin Zhao).
- 2008 Licenciado in Biological Sciences (~Bachelor + Masters), Faculty of Natural Sciences, *University of Buenos Aires, Argentina.*
Thesis: Estudio del crecimiento de la almeja amarilla Argentina *Mesodesma mactroides* por marcaje fluorescente in situ y comparación con el método de análisis de distribuciones de frecuencias de tallas (advisors: Prof. Pablo Penchaszadeh, and Prof. Marko Herrmann).

PROFESSIONAL APPOINTMENTS

- 2016 Fellow at the Smithsonian Tropical Research Institute, Panama
- 2011–2014 Tutor for Science Camps *Moreton Bay Research Station (MBRS), The University of Queensland.*
Lecturer and demonstrator for high school students (groups > 50). Responsible for liaising with school teachers and coordinating less experienced tutors in running lab- and field based activities.
- 2014 Tutor for Stanford University students, 1 week trip to MBRS, *International Programs, The University of Queensland*
Teaching assistant including marking. Also responsible for boating and snorkeling safety, field and lab gear and driving groups of students (> 10).
- 2014 Tutor for UQ MARS2005, 3 days trip (2 trips) to MBRS *The University of Queensland*
Teaching assistant including mentoring groups of students (> 5) in the development of independent projects. Responsible lab- and field based activities.
- 2014 Tutor for UQ MARS2005, 2 weeks trip to Heron Island Research Station (HIRS) *The University of Queensland*
Teaching assistant including marking exams and mentoring groups of students (> 5) in the development of independent research projects. Responsible lab- and field gear and activities, and for boating and snorkeling safety.

- 2014 Tutor for UQ MARS2014 *The University of Queensland*
Teaching assistant. Responsible for delivering introductory lectures during field activities and for mentoring groups of students in the development of independent research projects on campus.
- 2014 Tutor for UQ Experience Science *The University of Queensland*
Teaching assistant. Responsible for supervising lab activities of high school students during promotional visits to the University of Queensland.
- 2013 Tutor for Stanford University students, 1 week trip to MBRS, *International Programs, The University of Queensland*
Teaching assistant. Responsible for boating and snorkeling safety, field and lab gear and driving groups of students (> 10).
- 2012 Tutor for students from the University of California, 10 days trip to MBRS, *International Programs, The University of Queensland*
Teaching assistant. Responsible mentoring groups of students (> 5) in the development of independent research projects.
- 2012 Tutor for UQ MARS2014, *The University of Queensland*
Teaching assistant including marking students presentations, mentoring their independent research projects and for supervising field activities.
- 2003–2004 Speaker in guided tours, *Museo Argentino de Ciencias Naturales, Argentina*
Responsible for explaining the exhibition at the national museum of natural history in Buenos Aires, Argentina, to engage the general public, from kids to adults, and primary school groups.

FUNDING

2011–2015	Australian Development Scholarship, <i>Australia Awards</i>	\$259,290
2015	International Scholarship, <i>University of Queensland (UQ)</i>	\$7,400
2014	Graduate School International Travel Award, <i>UQ</i>	\$4,271
2014	Biological Sciences International Travel Award, <i>UQ</i>	1,600

DISTINCTIONS

- 2008 Diploma with Honours for achieving an average mark of 8.27/10 for the degree in Biological Sciences, *University of Buenos Aires*

PEER REVIEWED ARTICLES

4. Herrmann M, Alfaya JEF, **Lepore ML**, Penchaszadeh PE, Arntz WE (2011) Population structure, growth and production of the yellow clam *Mesodesma mactroides* (Bivalvia: Mesodesmatidae) from a high-energy, temperate beach in northern Argentina. *Helgoland Marine Research*, **65**, 285-297.

3. Herrmann M, Alfaya JEF, **Lepore ML**, Penchaszadeh PE, Laudien J (2009a) Reproductive cycle and gonad development of the Northern Argentinean *Mesodesma mactroides* (Bivalvia: Mesodesmatidae). *Helgoland Marine Research*, **63**, 207-218.
2. Herrmann M, **Lepore ML**, Laudien J, Arntz WE, Penchaszadeh PE (2009b) Growth estimations of the Argentinean wedge clam *Donax hanleyanus*: A comparison between length-frequency distribution and size-increment analysis. *Journal of Experimental Marine Biology and Ecology*, **379**, 8-15.
1. **Lepore ML**, Penchaszadeh PE, Alfaya JEF, Herrmann M (2009) Application of calcein for estimating growth of the yellow clam *Mesodesma mactroides* Reeve, 1854. *Revista de Biología Marina y Oceanografía*, **44**, 767-774.

PRESENTATIONS IN THE LAST 6 YEARS

- | | |
|------|---|
| 2014 | Lepore ML , Rodríguez-Ramírez A, Clark T, Roff G, Zhao JX and Pandolfi JM. Uranium series dating helps to reconstruct historical patterns of coral mortality in the Keppel islands, inshore southern Great Barrier Reef. 4th International Palaeontological Congress, Mendoza. |
| 2014 | Lepore ML , Roff G, Clark TR, Zhao JX, Pandolfi JM. Eight thousand year history of coral reef accretion in the Keppel Islands, inshore southern Great Barrier Reef. Australian Coral Reef Society, Brisbane. |
| 2013 | Lepore ML , Rodríguez-Ramírez A, Clark T, Zhao XJ, Pandolfi JM. Historical Patterns of Coral mortality at Halfway and North Keppel Islands, inshore southern Great Barrier Reef. Australian Marine Sciences Association, Gold Coast |
| 2013 | Lepore ML , Zhao XJ, Pandolfi JM. Long term dynamics of coral reefs in the inshore southern Great Barrier Reef. Great Barrier Reef Marine Park Authority, Townsville. April 2013 (invited) |
| 2012 | Lepore ML , Zhao XJ, Pandolfi JM. Long term dynamics of coral reefs in the inshore southern Great Barrier Reef. Marine Spatial Ecology Lab. June 2012 (invited) |
| 2010 | Lepore ML , Herrmann M, Penchaszadeh PE. Application of calcein for estimating growth of the yellow clam <i>Mesodesma mactroides</i> . Institute of Baltic Sea Fisheries, Rostock, Germany (invited) |

STUDENTS MENTORED

- | | |
|------|---|
| 2014 | Marcela Tosta, program Science without Borders, Universidade de Brasília, Brasil. |
|------|---|

VOLUNTEERS SUPERVISED

In the lab

Sarah Whiteley, Ian Butler, Marine Couraudon-Réale, Monalisa Duarte de Olivera, Elisa Fernandez-Fernandez, Peita Houlihan, Katie Lee, Alex Nelson, Cedric Pellegrini, Omer Polak and Marcela Tosta

In the field

Ian Butler, Bruno Carturan, Tara Clark, Marine Couraudon-Réale, Matthew Kosnik, Nicole Leonard, Hannah Markham, Robert Mason, Omer Polak, Martina Prazeres, Paola Rachello-Dolmen, Ruth Reef and Alberto Rodriguez

MAJOR FIELD EXPEDITIONS

- 2013 Reef matrix coring and coral death assemblage collection in Hervey Bay, south of the Great Barrier Reef (GBR), Australia. Live aboard
- 2013 Reef matrix coring, coral drilling, coral death assemblage collection, air lifting for molluscs collection and benthic surveys in the Keppel Islands, southern GBR, Australia. Live aboard, 2 weeks. *Lead Scientist, dive coordinator.*
- 2012 Reef matrix coring, coral drilling, coral death assemblage collection, benthic surveys and sea level surveys in the Franklands Islands, northern GBR, Australia. Live aboard, 3 weeks.
- 2012 Reef matrix coring and coral death assemblage collection in Hervey Bay, south of the Great Barrier Reefs Australia.
- 2012 Foraminifers collection at Heron Island, GBR, Australia.
- 2012 Reef matrix coring, coral drilling, coral death assemblage collection and benthic surveys in the Keppel Islands, southern Great Barrier Reef (GBR), Australia (2 weeks). *Lead Scientist, dive coordinator.*

PROFESSIONAL ASSOCIATIONS AND RESEARCH GROUPS

Marine Palaeoecology lab (UQ); Radiogenic Isotope Facility (UQ); NERP Tropical Ecosystems Hub Project 1.3 "Characterising the cumulative impacts of global, regional and local stressors on the present and past biodiversity of the GBR"; ARC Centre of Excellence for Coral Reef Studies.

LANGUAGES

Fluent English and Spanish.

CERTIFICATES AND LICENCES

Scientific SCUBA diver (ADAS), recreational boating licence, 4WD driving, lifeguarding, first aid, CPR, oxygen administration.

ACADEMIC REFEREES

John Pandolfi, University of Queensland, Australia. j.pandolfi@uq.edu.au

Jian Zhao, University of Queensland, Australia. j.zhao@uq.edu.au

Marko Herrmann, Universidade Federal Rural da Amazônia, Brazil. marko.herrmann@gmx.de