

Paula M. de la Barra

Curriculum Vitae

Department of Coastal Systems

Royal Netherlands Institute for Sea Research (NIOZ)

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1. Current position

Postdoctoral researcher in project SIBES. Department of Coastal Systems at NIOZ.

2. Education

09/09/2013 –13/08/2018

PhD School of Exact and Natural Sciences, University of Buenos Aires

Thesis title: **Trophic ecology and fishery of the swimming crab *Ovalipes trimaculatus* at the northern San Matias Gulf**. Grade: 10/10

In the frame of my PhD training I have passed 11 graduate courses on different topics including Bayesian statistics, Stable Isotopes Analysis and experimental design in ecology.

01/03/2005 - 09/11/2012

Graduate in Biological Sciences in the University of Buenos Aires.

Grade-point average: 8.43/10

Graduate thesis title: **Vitellogenesis and changes in the lipidic content of *Trophon geversianus*' oocytes at San José Gulf (Puerto Madryn, Argentina)**. Grade: 10/10

2. Publications

Refereed Journal Articles

2023

P de la Barra, PJ Pereyra, M Gastaldi, JF Saad, EA Rodríguez, MA Narvarte, JA Calcagno (2023) Intertidal populations of *Ulva spp.* and *Undaria pinnatifida* are good habitat providers for invertebrates but not for fish. Marine Biology. DOI: [10.1007/s00227-023-04238-9](https://doi.org/10.1007/s00227-023-04238-9)

2022

08/11/2022. **P de la Barra**, MW Skov, PJ Lawrence, JI Schiaffi, JG Hiddink. Tidal water exchange drives fish and crustacean abundances in salt marshes. Marine Ecology Progress Series. DOI: [10.3354/meps14118](https://doi.org/10.3354/meps14118)

21/07/2022. AE Arcángel, EA Rodríguez, **P de la Barra**, PJ Pereyra, M Narvarte. Seasonal changes in facilitation between an ascidian and a kelp in Patagonia. Marine Ecology Progress Series. DOI: [10.3354/meps14090](https://doi.org/10.3354/meps14090)

- For this study I have participated in the sampling design, statistical analysis and plots.

2021

10/07/2021. Pereyra P, **de la Barra P**, Saad J, Gastaldi M, Arcángel A, Rodríguez E, González R, Narvarte M. Unravelling facilitation among introduced species, a mechanistic approach. Biological Invasions (IF: 3.087). DOI: [10.1007/s10530-021-02592-7](https://doi.org/10.1007/s10530-021-02592-7)

-For this study I have participated in the experimental design, statistical analysis, plots and I am the main writer of the results.

2020

19/03/2020. **de la Barra P**, Svendsen G, Romero A, Narvarte M. Predicting the distribution of a portunid crab in Patagonian coastal waters. Marine Ecology Progress Series (IF: 2.359). DOI: [10.3354/meps13249](https://doi.org/10.3354/meps13249)

2019

01/05/2019. **de la Barra P**, Iribarne O, Narvarte M. Combining fishers' perceptions, landings and an independent survey to evaluate trends in a swimming crab data-poor artisanal fishery. Ocean and Coastal Management. (IF: 2.595) DOI: [10.1016/j.ocecoaman.2019.02.008](https://doi.org/10.1016/j.ocecoaman.2019.02.008)

2018

30/11/2018. **de la Barra P**, Botto F, Iribarne O, Narvarte M. Patterns of habitat partitioning for the portunid crab *Ovalipes trimaculatus* in coastal Patagonian waters. Estuarine, Coastal and Shelf Sciences. (IF: 2.413) DOI: [10.1016/j.ecss.2018.08.012](https://doi.org/10.1016/j.ecss.2018.08.012)

2017

19/08/2017. Pereyra P, **de la Barra P**, Gastaldi M, Saad J, Firstater F, Narvarte M. When the tiny help the mighty: facilitation between two introduced species, a solitary ascidian and a macroalga, in northern Patagonia, Argentina. Marine Biology. (IF: 2.215) DOI: [10.1007/s00227-017-3202-1](https://doi.org/10.1007/s00227-017-3202-1)

-For this study I have participated in the experimental design and field work. I have done the statistical analysis, plots and I am the main writer of the results.

30/05/2017. **de la Barra P**, Narvarte M, Williner V. Functional morphology of the gastric mill of the swimming crab *Ovalipes trimaculatus* (Decapoda: Portunidae). Journal of the Marine Biological Association of the United Kingdom. (IF: 1.403) DOI: [10.1017/S0025315417000844](https://doi.org/10.1017/S0025315417000844)

2014

08/01/2014. **de la Barra P**, Giménez J, Knack de Almeida H, Arrighetti F. Vitellogenesis and changes in lipid and protein content of oocytes of *Trophon geversianus* (Neogastropoda: Muricidae) in Golfo San José (Chubut, Argentina). Helgoland Marine Research. (IF: 1.013) DOI: [10.1007/s10152-014-0380-9](https://doi.org/10.1007/s10152-014-0380-9)

3. Fellowships

2019

Postdoctoral fellowship Sêr Cymru II COFUND fellowship co-funded by the European Union and the Welsh Government.

Supervisor: Prof Jan Geert Hiddink. Co-supervisor: Dr Martin Skov

2019

Postdoctoral Fellowship co-financed by The National Council for Scientific and Technical Research (CONICET) and Maimónides University.

- I resigned this fellowship to accept the Sêr Cymru fellowship.

Supervisor: Dr Javier Calcagno. Co-supervisor: Dr Maite Narvarte

2013

Doctoral Fellowship of The National Council for Scientific and Technical Research (CONICET) to perform my PhD training at The Institute of Marine and Fisheries' Biology Almirante Storni, University of Comahue in Rio Negro, Argentina.

Supervisor: Dr Maite Narvarte. Co-supervisor: Dr Oscar Iribarne.

4. Funding received

Grant capture since 2013 totals ca. 164 200€

2019

Sêr Cymru II COFUND postdoctoral fellowship. Includes living allowance, training costs and research costs – ca. 92 800€

2018

Travel grant to attend the Training course for Marie-Sklódowska-Curie Individual Fellowships proposal writing. Funded by the National Research Network for Low Carbon Energy and Environment (Wales) – 1 116€

2017

Grant for the organization of the V National Meeting of the Conservation of Biodiversity. Funded by: Argentinian National Council of Scientific and Technical Research (CONICET) – 2 900€

2015

Travel and course grant to attend the course c. Funded by: Federal Council of Fisheries and FAO. - 264€

2014

Travel and course grant to attend the course Principles in Marine Conservation and Management Strategies. Funded by: School of Exact and Natural Sciences, University of Buenos Aires -166€

2013-2018

Fellowship for PhD studies. Funded by CONICET. – ca. 67 000€

5. Teaching experience

In higher education

September 2012 – February 2013.

Student Assistant of the Department of Biodiversity and Experimental Biology, School of Exact and Natural Sciences in the course “Compared Animal Physiology”.

-I have received a mean qualification of 4.6 out of 5 from the students (n=45) in anonymous mandatory surveys done at the end of the course.

April 2012 – February 2013.

Student Assistant of the Department of Ecology, Genetics and Evolution, School of Exact and Natural Sciences in the course: “General Ecology”

-I have received a mean qualification of 4.7 out of 5 from the students (n=47) in anonymous mandatory surveys done at the end of the course.

6. Presentations in Scientific Events

2021

Invasion biology against non-native species. Argentinian Ecological Meeting. Authors: Pereyra P, **de la Barra P**, Amione L, Arcángel A, Marelló M, Rodríguez E, Mazzolari A, Maldonado M, Hünicken L, Wallach A.

2020

Salt marsh landscape effects on fish and crustaceans communities. British Ecological society Festival of Ecology. Authors: **de la Barra P**, Skov M, Hiddink JG.

2018

Patterns of habitat partitioning for the portunid crab *Ovalipes trimaculatus* in coastal Patagonian waters. X National Conference on Marine Sciences. Buenos Aires, Argentina. Authors: **de la Barra P**, Botto F, Iribarne O, Narvarte M.

Prediction of *Ovalipes trimaculatus*' distribution in San Matías Gulf. X National Conference on Marine Sciences. Buenos Aires, Argentina. Authors: **de la Barra P**, Svendsen G, Iribarne O, Narvarte M.

2017

When the tiny help the mighty: facilitation between two introduced species, the solitary ascidian *Styela clava* and the macroalga *Undaria pinnatifida* in San Antonio Bay. V National Meeting of the Conservation of Biodiversity. Las Grutas, Argentina. Authors: Pereyra P, **de la Barra P**, Gastaldi M, Saad J, Firstater F, Narvarte M.

2016

Functional morphology of the gastric mill of the swimming crab *Ovalipes trimaculatus* (Decapoda: Portunidae). IV Uruguayan Meeting of Zoology. Maldonado, Uruguay. Authors: **de la Barra P**, Narvarte M, Williner V.

Assessment of the sampling system for the prediction of the common dolphin *Delphinus delphis*' distribution in San Matías Gulf, Argentina. XI Meeting of the Latin-American Society of Aquatic Mammal Specialists. Valparaíso, Chile. Authors: Curico N, Svendsen G, **de la Barra P**, Arias M, Romero A, González R, Dans S.

2015

Decision making and motivations of the artisanal fishers of the crab *Ovalipes trimaculatus* at the San Matías Gulf (Río Negro, Argentina). IX National Conference on Marine Sciences. Ushuaia, Argentina. Authors: **de la Barra P**, Narvarte M.

2014

Changes in the diet of *Ovalipes trimaculatus* (Brachyura: Portunidae) due to seasonality and fishing activity. VIII Brazilian Congress of Crustaceans. Bonito, Brazil. Authors: **de la Barra P**, Romero A, González R, Narvarte M.

The fishery of *Ovalipes trimaculatus* (Brachyura: Portunidae) at San Matías Gulf (Río Negro, Argentina). VIII Brazilian Congress of Crustaceans. Bonito, Brazil. **de la Barra P**, Narvarte M.

2011

Vitellogenesis and changes in the lipid content in the oocytes of *Trophon geversianus* in San José Gulf (Puerto Madryn, Argentina). VIII Latin American Congress of Malacology. Puerto Madryn, Argentina. **de la Barra P**, Giménez J, Knack de Almeida H, Arrighetti F.

7. Organization of Conferences

2017

Co-organizer of V National Meeting of the Conservation of Biodiversity. Attendants: 600

8. Participation in research expeditions

2018

Expedition to Namuncurá Marine Protected Area: Benthic prospection campaign. On board of the Oceanographic Vessel “A.R.A. Puerto Deseado”. From 18th April to 20th May, representing the project “Morphological and ultrastructural diversity of the reproductive system of marine gastropods. Spermatid morphology, and systematic and phylogenetic relevance”.

9. Outreach

2015

Swimming crab fishers and fishery. Workshop at Institute of Marine Biology and Fishery Sciences Admiral Storni. Targeted to swimming crab fishers.

2011 – 2012

Sea ahoy! Stand within the Biology week in the School of Exact and Natural Sciences, University of Buenos Aires. Targeted to middle school students

2011

Educational guide at Tecnópolis Science Park. Targeted to all audiences, especially childrens and teenagers.

10. Skills and expertise

Skilled in the use of R programming language

Ecological modelling

Planning and organization of research field trips

Design and development of field experiments and ecological sampling

Language skills: Spanish – Native, English – Fluent, French – Elementary

PADI Open Water Diver