

Daniela Haverbeck Melendez



Born in Santiago (Chile)

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Current Position: Ph. D. student

Director of Studies: Gabriele Procaccini

Internal Supervisor: Emanuela Dattolo

External Supervisor: Thorsten Reusch (GEOMAR, Germany)

Program: Open University, XXVI cycle

Affiliation:

Integrative Marine Ecology Department (EMI), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Pontificia Universidad Católica de Chile, Santiago de Chile	BSc Student	2014-2020	Marine Biology. Thesis: "Thermal tolerance of the gametophytic phase of the Giant Kelp (<i>Macrocystis pyrifera</i>)"
Pontificia Universidad Católica de Chile, Santiago de Chile	Research Assistant	2017-2019	Ecophysiological performance and local adaptation of macroalgae
Pontificia Universidad Católica de Chile, Santiago de Chile	Scientific Outreach Coordinator	2021	Science communication and outreach about the effects of overfishing on kelp forests
Pontificia Universidad Católica de Chile, Santiago de Chile	Research Assistant	2021	Recruitment patterns in exploited kelp forests
Gent University, Belgium / Algarve University, Portugal / Oviedo University, Spain / Marche Polytechnic University, Italy / SZN, Italy	MSc Student	2021-2023	MSc in Marine Biological Resources. Minor in Marine Spatial Planning. Major in Marine Ecosystems Restoration. Thesis: "Genetic Characterization of <i>Posidonia oceanica</i> populations at its eastern distribution range-edge"

Universidad Autònoma de Barcelona, Spain	Technician	2023	Urban Forestry
Stazione Zoologica Anton Dohrn, Naples, Italy	Trainee Fellowship	2023-2024	Genetic patterns of <i>Posidonia oceanica</i> across the Mediterranean Sea
Pontificia Universidad Católica de Chile, Santiago de Chile	Research Assistant	2024-2024	Optimisation of the reproductive strategies of the Giant Kelp (<i>Macrocystis pyrifera</i>) for marine agriculture
Stazione Zoologica Anton Dohrn, Naples, Italy	Ph.D. student	2024-present	Explore the plasticity and adaptive potential of long-lived seagrass clones, focusing on the role of somatic mutations

Appointments and awards

2023: Best Thesis Presentation - IMBRSea Annual Symposium.

2021: Erasmus Mundus Scholarship, covering the tuition fee and subsistence for the duration of the IMBRSea program.

2017: Best Research Seminar Poster at the Faculty of Biological Sciences at the Pontifical Catholic University of Chile.

2015: Juan Carlos Castilla Award to the student with the best academic performance in the first year of the BSc. Marine Biology program at the Pontifical Catholic University of Chile.

2014, 2015 and 2018: Honour Tuition for the student with the best academic performance the previous year, awarded by the Pontifical Catholic University of Chile.

Publications

- ***Journal Papers***

Becheler R, Haverbeck D, Clerc C, Montecinos G, Valero M, Mansilla A and Faugeron S. (2022). Variation in Thermal Tolerance of the Giant Kelp's Gametophytes: Suitability of Habitat, Population Quality or Local Adaptation? *Front. Mar. Sci.* 9:802535.

Tomas F, Hernan G, Mañez-Crespo J, Arona A, Haverbeck Meléndez D, Reynés X, Delgado J, Procaccini G, & Ballesteros E. (2024). Mass flowering and unprecedented extended pseudovivipary in seagrass (*Posidonia oceanica*) after a Marine Heat Wave. *Marine Pollution Bulletin*, 203.

- ***Presentation at conferences***

Annual Joint Meeting - LXII SOCBIOL - XIII SOCEVOL - XXVI SOCECOL - XXX SBO (Valdivia, Chile. March 2020)

Thermal tolerance of the gametophytic phase of *Macrocystis pyrifera*. **Haverbeck, D.** & Faugeron, S. X National Congress of micro and macroalgae (Coquimbo, Chile. July 2017) Study of the local adaptation of the gametophytic phase of *Macrosistis pyrifera* along the Chilean coast. **Haverbeck, D.**, Clerc, C., Montecinos, G., Faugeron, S.