

ZOE MEZIERE

EDUCATION

- 2021-present** **PhD: Genomics of adaptation in Great Barrier Reef corals**, [University of Queensland](#) (Australia), supervisors: Cynthia Riginos, Iva Popovic, John Pandolfi, Cheong Xin Chan
- 2017-2019** **MSc: Erasmus Mundus+ Master Program in Evolutionary Biology (MEME)** dual degree, [University of Groningen](#) (Netherlands), [Ludwig Maximilian University](#) (Germany), [Uppsala University](#) (Sweden).
Coursework: Evolutionary Patterns, Evolutionary Processes, Basic and Advanced Evolutionary Genomics.
Thesis 1: “Restoration ecology at the border of the Serengeti National Park: spatial and temporal comparisons of herbaceous vegetation and remote sensing land mapping”, supervisor: Han Olff.
Thesis 2: “Genomic and Transcriptomic analysis of cultivated JS1 bacteria from deep Atlantic sediments”, supervisor: Wiliam Orsi.
Research project: “expanding the diversity of chloroplast-related Cyanobacteria: Gloeomargaritales”, supervisors: Purificacion Lopez Garcia & David Moreira.
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- 2014-2017** **BSc: Double major in Biology and Mathematics**, [Université Pierre & Marie Curie](#) at [Station Biologique de Roscoff](#) (France) and [Rutgers University](#) (USA) [highest honours, top 3%].
Coursework: Evolutionary Genetics, Molecular Genetics, Ecology, Numerical Analysis, Partial Differential Equations, Biochemistry and molecular biology, Cellular biology, Biostatistics, Physics, Programming, Animal and Plant Physiology, Algebra, Analysis.

TUTORING EXPERIENCE

- 2024** MARS1001 – Living Oceans (University of Queensland, Australia)
2022 BIOL3209 – Biodiversity and Systematics (University of Queensland, Australia)
2021 BIOL1020 – Genes, Cells and Evolution (University of Queensland, Australia)

VOLUNTEERING EXPERIENCE

- 2021-2022** Vice-president of the UQ Biology Postgraduate Club
2020 Visiting Student at the Reef Ecology Lab at KAUST University
2019-2020 Volunteer for Marine Conservation Philippines and for Sea Shepherd Global
2014-2015 Chair Member for the Association of Young Researchers of the Station Biologique de Roscoff

SKILLS & QUALIFICATIONS

Languages: French (mother tongue), English (fluent), Spanish (conversational), Creole (basic understanding)
Programming: Python, bash, R and R studio, UQ HPC cluster
Geographic Information System: QGIS, ArcGIS, QField, SNAP
Laboratory: DNA and RNA extraction, GBS library preparation, PCR and qPCR, electrophoresis, microscopy
Field: International Driving licence, SCUBA diving (PADI Dive Master, CMAS 2-stars, PADI Nitrox), First Aid

(PSC1, EFR, HLTAID009, HLTAID010, HLTAID011 and HLTAID015), experience with long scientific liveaboards and remote living.

PUBLICATIONS

Riginos, C., Popovic, I., Meziere, Z., Garcia, V., Byrne, I., Howitt, S., Ishida, H., Bairos-Novak, K., Humanes, A., Scharfenstein, H., Richards, T., Briggs, E., Clark, V., Lei, C., Khan, M., & Prata, K. (2024). Cryptic species and hybridisation in corals: Challenges and opportunities for conservation and restoration. <https://doi.org/10.32942/X2502X>

Meziere, Z., Popovic, I., Prata, K., Ryan, I., Pandolfi, J., & Riginos, C. (2024). Exploring coral speciation: Multiple sympatric *Stylophora pistillata* taxa along a divergence continuum on the Great Barrier Reef. *Evolutionary Applications*, 17(1), e13644. <https://doi.org/10.1111/eva.13644>

Meziere, Z., Rich, W. A., Carvalho, S., Benzoni, F., Morán, X. A. G., & Berumen, M. L. (2021). Stylophora under stress: A review of research trends and impacts of stressors on a model coral species. *Science of The Total Environment*, 151639. <https://doi.org/10.1016/j.scitotenv.2021.151639>

CONFERENCES

ORAL PRESENTATIONS

- 2024** Australian Coral Reef Society (ACRS) (Australia)
- 2023** UQ Post-graduate Conference at Morton Bay Research Station (Australia)
- 2022** Australian Coral Reef Society (ACRS) (Australia)
- 2022** UQ Post-graduate Conference at Morton Bay Research Station (Australia)

ATTENDANCE

- 2022** Australian Marine Sciences Association (AMSA) (Australia)
- 2019** Meeting of the AfricanBioServices Consortium in Arusha (Tanzania)
- 2018** 5th Young Reef Scientists Meeting at Ludwig-Maximilians-University in Munich (Germany)
- 2018** European Society of Evolutionary Biology (ESEB) annual congress in Montpellier (France)
- 2017** European Society of Evolutionary Biology (ESEB) annual congress in Groningen (Netherlands)

GRANTS & AWARDS RECEIVED

- 2021-2025** University of Queensland Training Stipend (AUD\$28,597 per annum)
- 2019** Groningen University Fund (€500) and Marco Polo Scholarship (500€)
- 2019** PROSA Stipendium (€1900)
- 2018** The Sohan Jheeta Travel Award, to attend the NoR HGT&LUCA 2018 conference (€200)
- 2017** Bourse de mobilité Sorbonne Universités (€500)
- 2014** Excellence Award of Guadeloupe for being in the top 10 best students in Sciences

TRAININGS, WORKSHOPS & ONLINE COURSES

- 2024** Outlier Analyses Workshop (Australian BioCommons, online)
- 2024** Advanced Spatial Statistics (Physalia, online)
- 2022** Summer School on Software and Statistical Methods for Population Genomics (SSMPG) (France)
- 2022** Coral Identification Workshop by Russell Kelley
- 2019** MANEA – Coral Reef Biodiversity (CRIOBE, online)

- 2018** *Geobiology* (MITOpenCourseWare, online)
- 2018** *Tropical Coastal Ecosystems* (edX, online)
- 2017** *Oceanography: a key to better understand our world* (Coursea, online)
- 2015** Training in Biology and Philosophy at the [Observatoire Océanologique de Villefranche-sur-mer](#) (France)