Robin L. van Dijk

MSc Marine Biology



About me

I am a sea-going PhD student with an interest in open ocean systems. Through my background in marine biology and experiences during research voyages, I was infatuated by the interdisciplinary nature of ocean sciences and started seeking out interfaces to explain more complex systems. Researching primary productivity is that perfect interface for me to be able to combine biogeochemistry and ecology.

Contact —

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– Languages -

🖿 Dutch - Native Language

English - Professional Knowledge

- Interests

Biogeochemistry Plankton Oceanography Southern Ocean Genomics | Climate Change Ocean expeditions | Modelling

- References

□ Upon request

W.H van de Poll - CIO Oceans, University of Groningen

Second MSc project & research assignment examiner

prof. dr. Rob Middag - Ocean Systems, NIOZ Research assignment supervisor

K.T.C.A Peijnenburg - Naturalis & UvA Second MSc Project supervisor

EDUCATION

02/2025 present

Higher Degree in Research 9 Hobart, Tasmania University of Tasmania/Institute of Marine and **Antarctic Studies**

PhD Candidate

Cryospheric sources of tracel metals along the Antarctic margins.

09/2021 -10/2024

Master Degree ? Groningen, the Netherlands **University of Groningen**

Marine Biology

Introductory courses in Biological Oceanography, Marine Biology, and Population Genetics. Compulsory courses in Practical Modelling and Polar Ecosystems.

First Research Project - Marine Evolution and Conservation,

GELIFES Groningen

Using population genomics to study population history of open-ocean Antarctic diatom Fragilariopsis kerguelensis.

Second Research Project - Plankton Diversity and Evolution,

Naturalis Biodiversity Center

Combining biogeochemistry and ecology approaches to study calcifying zooplankton distributions and export.

Research Assignment - COI Oceans,

University of Groningen & NIOZ

Investigating Fe-Mn-vitB12 (co-)limitation in Southern Ocean phytoplankton communities.

Colloquium - COI Oceans,

University of Groningen & NIOZ

The iron hypothesis revisited: evolving perspectives on Southern

Q Leiden, the Netherlands

Ocean iron fertilisation.

09/2018 -06/2021

Bachelor Degree Leiden University

Biology

General background in Microbiology, Botany, and Cell Biology. Specialised in Molecular Biology, Evolution and Biodiversity.

RESEARCH SKILLS

Ship-based skills

Operating and sampling (trace-metal clean) CTD

On board water filtration for microbial communities, stable iso-

topes, and phytoplankton pigment analyses

On board phytoplankton incubation experiments

Radioisotope measurements of anaerobic methane oxidation

rates

Operating ring- and multi plankton nets

Taxonomic expertise on calcifying zooplankton

Programming

Python: Advanced Languages R: Highly specialised

BASH: Advanced

ETFX: Advanced

Ocean Data View: Advanced **Software**

ArcGIS: Intermediate

POSITIONS

08/2024 Lab technician - Temporary contract **♀** NIOZ, Texel, the Netherlands

Laboratory assistant to support on collecting and processing methane samples on the 64PE537 voyage.

11/2023 AND Student Assistant - Student contract **Q** University of Amsterdam, the Netherlands

Assisting the practicals within the MSc course Biological Oceanography 11/2024

RESEARCH EXPEDITIONS

08/2024 64PE537 METHANE III - RV Pelagia ♥ North Sea

Laboratory assistant, revisiting sites to assess the effect of tides on methane leakage.

11/2023-02/2024 PS140 EASI-2 - RV Polarstern

♀ Southern Ocean

Handling trace metal clean sampling of seawater from the Ultra Clean CTD and additional short- and long-term

phytoplankton incubations.

10/2023-11/2023 64PE525 METHANE II - RV Pelagia North Sea

Quantify potential methane leakage from old drilling wells and natural seep sites, and the effect on marine microbial

communities.

01/2023-03/2023 64PE513 BEYΩND - RV Pelagia **♀** Atlantic Ocean

Investigate calcium carbonate dissolution in shallow waters and the effect on planktonic calcifiers.

RESEARCH OUTPUT

& NWOlife 2024

Ocean Sciences 2024

EGU 2024

Journal Article	Unravelling past population events in diatoms	with genomic based demographic inferences,

Robin L. van Dijk & Marcos Suárez Menéndez, Ute Postel, Martine Bérubé, Bank Beszteri & Per J. Palsin prep

bøll, Molecular Ecology

Journal Article Exploring the potential of COI gene marker for planktonic foraminifera diversity studies, Ana

Carolina Bercini Gusmao, Robin L. van Dijk, Elsa Girard, Katja T.C.A. Peijnenburg, Jan Macher, Michal in prep

Kuchera, Raphaël Morard, Journal of Eukaryotic Microbiology

Mapping iron limitation in the Southern Ocean, Robin L. van Dijk, Jasmin Stimpfle, Marrit Jacob, Poster NL Polar Day 2024

Florine Kooij, Rob Middag, Willem van de Poll

Poster Crisis at depth: vertical distribution of calcifying plankton along a shallowing aragonite satura-

tion horizon, Robin L. van Dijk, A. Daniëlle van der Burg, Giada Spagliardi, Geert-Jan Brummer, Anne Zooplankton Production Symposium 2024

Kruijt, Ben Cala, Olivier Sulpis, Matthew P. Humphreys, and Katja T.C.A Peijnenburg

Talk Unravelling past population events in Southern Ocean diatoms with genomic based demo-

graphic inferences, Robin L. van Dijk and Marcos Suárez Menéndez, Ute Postel, Martine Bérubé, Zooplankton Production Symposium 2024

Bánk Beszteri and Per J. Palsbøll

Poster Simulated settling, dissolution and degradation of pteropods in an on-board, pressurized reac-

tor, Olivier Sulpis, Anne Kruijt, Robin L. van Dijk, Katja T.C.A Peijnenburg, Matthew Humphreys

Post-mortem pteropod degradation in the Southern Atlantic twilight zone, Olivier Sulpis, Perrine Poster

Chaurand; Anne Kruijt; Ben Cala; Katja TCA Peijnenburg; Robin L. van Dijk; Daniëlle van der Burg;

Matthew P. Humphreys

GRANTS AND PRIZES

Best Poster Award 2024 - Zooplankton Production Symposium

Prize amount: CAN\$ 300

2024 - Conference attendance and research assignment **Groninger Universty Fund**

Grant amount: €250 + €1136

Christine Buisman Fund 2023 - Second MSc Research Project

Grant amount: €300

RUG FSE Mobility Scholarship 2023 - Second MSc Research Project

Grant amount: €470