

LARA MALEEN BECKMANN

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EDUCATION

- 09/2022 - Ph.D. University of Gothenburg, Tjärnö Marine Laboratory (Sweden)
Cold-water coral and sponge ecology, with a focus on Alaskan deep ecosystems
Supervisors: Dr. Rhian G. Waller and Dr. Ricardo T. Pereyra
- 2019 - 2021 M.Sc. Biodiversity and Systematics, University of Stockholm (Sweden)
Integrative Taxonomy resolves challenging morphological variation and gives insight into the diversity of Hydractiniidae (Hydrozoa: Cnidaria) in Norway
Supervisors: Dr. Luis Martell and Prof. Dr. Aino Hosia
- 2016 - 2018 B.Sc. Biology, University of Bielefeld (Germany)
Effects of temperature and hypoxia on the fitness of a benthic marine ostracod, Skogsbergia lernerii
Supervisors: Prof. Dr. Joseph Hoffmann and Dr. Rachel Collin

EMPLOYMENTS

- 03/2022 - 08/2022 Marine Invertebrate Taxonomist, Rådgivende Biologer (Bergen, Norway)
09/2021 - 03/2022 Museum Collection Technician, University of Bergen (Norway)

PUBLICATIONS

Beckmann L.M., Vincent, B.A., De León, A., Masterman, J., Lau, E.S., Haddock, S.H.D. (2024). Fluorescence patterns and diversity of hydrozoans from Bocas del Toro, Panama. *Ciencias Marinas*, 50.
<https://doi.org/10.7773/cm.y2024.3409>

Beckmann L.M., Soto-Ángel J.J., Hosia A., Martell L. (2023). Odd family reunion: DNA barcoding reveals unexpected relationship between three hydrozoan species. *PeerJ*, 11(e15118),
<https://doi.org/10.7717/peerj.15118>

Hoffman J. I., Bauer E., Pajmians A. J., Humble E., **Beckmann L. M.**, et al. (2018). A global cline in a colour polymorphism suggests a limited contribution of gene flow towards the recovery of a heavily exploited marine mammal. *Royal Society Open Science*, 5(10), <http://doi.org/10.1098/rsos.181227>

COMPETITIVE GRANTS & AWARDS

- 2024 Exploration Fund Grant (5 000\$)
2023 Herbert & Karin Jacobssons Stiftelse (2 000€)
2023 Fernald Fellowship and Adopt A Student Fund - Larval Biology FHL (4 500\$)
2023 Hydrozoan Society Workshop - Best Talk Award
2022 Smithsonian Research Institute - Course Fellowship (1 000€)
2015 - 2021 German Scholarship Foundation - Studies, courses, and travel (total ~50 000€)
2020 ForBio Annual Meeting - Best Poster Award (200 €)

CONFERENCES & WORKSHOPS

- 2024 Marine Imaging Analysis Workshop, Glasgow, UK
- 2023 International Meeting on Ecological Restoration of Deep-Sea Coral Populations, Strömstad, Sweden
- 2023 8th International Symposium of Deep-Sea Corals, Edinburgh, UK. Speed-talk and poster: "Deepwater coral and sponge gardens in Alaska: Ecology and reproduction in keystone species"
- 2023 Hydrozoan Society Workshop, Bergen, Norway. Oral presentation. "About forgotten species and revealing jellyfish: Integrative taxonomy illuminates the diversity of Hydractiniidae in Norway."
- 2022 Smithsonian Tropical Research Institute, Bocas del Toro, Panama. Workshop: "Systematics & Biology of Medusozoa and Ctenophora"
- 2022 ForBio and University Museum of Bergen. Workshop organization and 2 oral presentations: "Diversity, Systematics and Biology of Hydrozoa"
- 2021 ASLOA Aquatic Science Conference. Oral presentation: "Linking pelagic and benthic ecosystems: an integrative approach to identify hydrozoan diversity."
- 2020 ForBio Annual Conference. Oral presentation and poster: "Insights into the diversity of Hydractiniidae (Cnidaria: Hydrozoa) in Norway"
- 2018 STRI Research Station Bocas del Toro. Oral presentation. "Out of Breath: Effect of low oxygen levels on development and reproduction in a marine ostracod."

TEACHING EXPERIENCE

- Spring 2024 Supervision of MSc student (30 ECTS internship)
- Spring 2024 Teaching Assistant - BIO916 Biodiversity and Ecology, 15 ECTS, 60 students (BSc)
- Autumn 2023 Supervision of BSc student (30 ECTS project)
- Autumn 2023 Teaching Assistant - BIO267 Marine Biodiversity, 15 ECTS, 20 students (BSc)
- Spring 2023 Teaching Assistant - BIO267 Marine Biodiversity, 15 ECTS, 20 students (BSc)
- 11/2022 Teaching Assistant - BIO217 Evolutionary Biology, 5 ECTS, 20 students (BSc)
- 08/2022 Lecturer - BIO325 Ocean Science. University of Bergen. 1 day, 30 students (MSc)
- 04/2022 Lecturer - ForBio and NorHydro course "Diversity, Systematics and Biology of Hydrozoa". 3 ECTS, 25 students (MSc, PhD)
- Spring 2018 Teaching Assistant - 20BM3 Introduction to Biology Theory and Practice II. University of Bielefeld. 10 ECTS, 10 students (BSc)

RESEARCH EXPERIENCE

- 03/2024 Museum collection sampling for reproduction study. NHM Copenhagen (Denmark)
- 12/2023 Collection sampling for arctic hydrozoans. Institute of Oceanology IOPAN (Poland)
- 08/2023 Museum collection sampling for sponge reproduction study and histology. Royal BC Museum, Victoria (Canada)
- 08/2022 Darwin Tree of Life - Assistant taxonomist for specimen identification for Hydrozoa. Marine Biological Association, Plymouth (UK)
- 12/2021 Vent & Seep Biota - Assistant taxonomist for specimen identification for Hydrozoa. Espegrend Marine Station, University of Bergen (Norway)
- 2020 - 2022 NorHydro Norwegian Marine Benthic Hydrozoa - Research Assistant. Department of Natural History, Bergen University (Norway)
- 09/2019 - 05/2021 Laboratory Technician. Population Genetics, Department of Zoology, Stockholm University (Sweden)
- 03/2018 - 08/2019 Research Assistant. Theoretical Biology, University of Bielefeld (Germany)
- 03/2018 - 08/2019 Laboratory Technician. Alfred-Wegener-Institute, Bremerhaven (Germany)
- 2019 Research Internship. Smithsonian Tropical Institute, Bocas del Toro (Panama)
- 03/2017 Research Internship. Senckenberg Institute, Wilhelmshaven (Germany)
- 2018 - 2019 Laboratory Technician and Research Assistant. Animal Behavior and Molecular Ecology, Bielefeld University (Germany)

OUTREACH

2023/24	Vetenskapsfestival Gothenburg (poster and marine science activities)
09/2023	Låna en forskare (45-minute online and in-person lectures for high school students)
01/2023	Species sheets for the hydrozoan family Hydractiniidae (artsdatabanken.no/arter-pa-nett)
04/2022	Kunnskapsfestival OPPLEV Marineholmen Bergen (>3000 visitors, marine science activities)
2020-2022	Author and illustrator for the blog https://ecologyforthemasses.com/ (7 articles)
2020-2022	Author for the UiB invertebrates blog https://invertebrate.w.uib.no/ (2 articles)
June 2021	Author for The Niche, British Ecological Society (1 article)

SKILLS

Bioinformatics

R, Python, HTML

Laboratory:

- Molecular methods: i.e., Tissue and DNA extractions, PCR, sequencing, sterile work
- Morphological methods: i.e., microscopy, photography, histology, morphometrics
- Rearing and culture of various marine invertebrates (incl. cnidaria, echinoderms, crustaceans)

Field Work:

- Lead on 6-day sampling trip on R/V Solstice in Alaska (2023)
- Assistant or lead on >10 one-day sampling trips (UiB and Rådgivende Biologer 2020-2022)
- Assistant on 3 research cruises (Senckenberg Institute, 4 weeks annually in 2017-2020)
- Sampling of benthic and pelagic invertebrates (Van Veen grab, beam trawl, dredge, plankton nets, ROV)
- Field-trip organization for coastal and off-shore sampling (RVs, boats, snorkeling)
- Certified diver (PADI Advanced Open Water)

Languages:

German (Native Language), English (C2 Professional, Cambridge English Proficiency), Norwegian (B1), Swedish (B1)

REFERENCES

Dr. Luis Martell

Researcher, University Museum of Bergen (Norway), Department of Natural History
Master thesis supervisor and coworker
luis.martell@uib.no

Dr. Rhian Waller

Senior Lecturer, University of Gothenburg (Sweden), Faculty of Science, Department of Marine Science
PhD supervisor
rhian.waller@gu.se