Dominic Eriksson

Pronoun	He/him
Birth	May 09, 1989
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EDUCATION

Ph.D in Marine Microbial Ecology 2021-Present
ETH Zürich, Switzerland

M.Sc in Marine Biology 2020
University of Algarve, Portugal
Thesis title: Bacterial diversity of the gorgonian coral Eunicella labiata and how much can we cultivate.

B.Sc in Biology 2015
University of Vienna, Austria
Thesis title: Effect of rain on the physiological state of the brown algae Fucus vesiculosus.

PROFESSIONAL EXPERIENCE AND TRAINING

Research Assitant 7/2020-03/2021

ETH Zürich, Switzerland

Working in the Geneva Science Policy Interface Impact collaboration project MAPMAKER 'MArine Plankton diversity bioindicator scenarios for policy MAKERs. Projecting future plankton distribution using different climate models and different Representative Concentration Pathways. Results will be used to build an interactive map to inform data-driven decision-making on marine biodiversity protection at the international policy level (http://mapmaker.ethz.ch).

Internship 4/2020-06/2020

ETH Zürich, Switzerland

Used Species Distribution Models to map global distributions of marine diazotrophs.

Workshop in marine genomics 09/2016
University of Algarve, Portugal

Field work: Great white shark population dynamics 09/2011
White Shark Projects, Gansbaai, South Africa

Field course: Introduction to marine biology and diving licence 04/2011
Hydra Institute, Elba, Italy

This course is an equivalent to the first part of the module "Marine Biology Diving Skills - Basic Field Course" at the University of Tübingen, Germany.

PRESENTATION OF RESEARCH

- **Selected speaker**: Workshop "Microbial Community Ecology: Bridging Theory and Observations. Max Planck Institute of Evolutionary Biology in Plön, Germany (July 14th of July 2023.
- **Poster**: ASLO Conference Palma de Mallorca (7th of June 2023).
- **Invited speaker**: FORMAL winter webinar series on the observation and modeling of ocean life (2nd of February 2022).

ACADEMIC SUPERVISION AND COMMITTEE MEMBERSHIPS

- **M.Sc - Thesis**: Xinhang Li, October 2022 - April 2023, ETH Zürich
- **M.Sc - Thesis**: Poli Giacomo, November 2022 - May 2023
- **IBP - Committee**: Organizing IBP Congress at ETH Zürich in April 2024.

SKILLS

- **Languages:** HTML, R, Python
- Experience in building **web analytical applications** using the Python framework Dash
- **Spatial data analysis and statistical modeling** using simple regression techniques to more complex machine learning techniques.
- Experience in **16s rRNA analysis**

PUBLICATIONS

Dominic Eriksson, Nicolas Gruber, Fabio Benedetti, Damiano Righetti, Lucas Paoli, Guillem Salazar, Shinichi Sunagawa, Meike Vogt, in prep. Nitrogen fixation rates increase with diazotroph richness in the global ocean.

Keller-Costa, T., **Eriksson, D.**, Gonçalves, J.M., Gomes, N.C., Lago-Lestón, A. and Costa, R.,

2017. The gorgonian coral Eunicella labiata hosts a distinct prokaryotic consortium amenable to cultivation. FEMS Microbiology Ecology, 93(12), p.fix143.

REFERENCES

Dr. Meike Vogt, Senior Scientist in Environmental Physics Group, ETH Zürich
meike.vogt@env.ethz.ch

Prof. Dr. Shinichi Sunagawa, Group leader in microbiology at ETH Zürich
ssunagawa@ethz.ch

Prof. Dr. Nicolas Gruber, Group leader in environmental sciences at ETH Zürich
nicolas.gruber@env.ethz.ch