



JANA EFREMOVA

A DETERMINED, CREATIVE, MULTILINGUAL SCIENTIST WITH A
PENCHANT FOR ORGANIZING AND COMMUNICATING SCIENCE



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OBJECTIVE

Doctoral researcher with experience in molecular biology, metabolomics, microbiome informatics, and marine ecology. PhD has concerned the impact of ocean acidification on marine ecosystems and integrates multiple disciplines across bioscience, biochemistry, bioinformatics, and the development of a new research methodology.

Having completed my PhD oral examination, I am seeking a role as early as April 2023.

SKILLS

Advanced speaker of:

German, English, Italian, Spanish and Russian.

Digital: Data Analysis in R, Bioinformatics, MS Office, Graphics: Adobe Illustrator, Biorender, Video: Davinci Resolve, Music: Ableton Live

ABOUT ME

I am curious, determined, creative, analytical, a good communicator, and passionate about science.

WORK EXPERIENCE

DOCTORAL RESEARCHER • STAZIONE ZOOLOGICA ANTON DOHRN • 2019 – PRESENT

Patent pending for a new research method using a submarine device
Research articles in publication process

CONTENT WRITER • MEDIASANA • 2017 – 2018

Nutrition- and health-related articles; science communication

UNIVERSITY RESEARCH ASSISTANT • UNIVERSITY OF JENA • 2015 – 2016

Laboratory work in molecular biology and cell biology

LAB DEMONSTRATOR /TEACHING AID • UNIVERSITY OF JENA • 2016

Supervision of a biochemistry course for students

EDUCATION AND TRAINING

PHD MARINE MICROBIOLOGY • OPEN UNIVERSITY • 2019 – 2023

Oral examination completed (Dec 2022), corrections underway.
Collaborated with international research teams and presented my work in seminars, lectures, and international conferences.

Scientific Courses:

- How human generated CO₂ could reshape oceans – International course, La Palma, Spain – awarded prize for best abstract (2022)
- 8th International Conference on Microbial Communication for young scientists (MICOM; 2021)
- Data Fairness (International Winter School; 2021)
- Metabarcoding & Metagenomic Data Processing and Analyses (2020)

M.SC. BIOCHEMISTRY • UNIVERSITY OF JENA • 2016 – 2019

Grade 1.3 (Distinction / A)

Thesis: "Metabolic Responses in Competing Corals and Sponges under Manipulated Microbiome Distress"

B.SC. NUTRITIONAL SCIENCES • UNIVERSITY OF JENA • 2013 – 2016

Grade 1.5 (Distinction / A)

Thesis: "Vanilloid derivatives and polo-like kinase 1 inhibition"

GRANTS AND FUNDING

EuroMarine-EMBRC	€5000	•	2020
Santander Scholarship	£1250	•	2020
Deutschlandstipendium	€3600	•	2017-2018
Erasmus+	€3600	•	2017-2018

TALKS

LECTURE • BENEMÉRITA UNIVERSIDAD AUTONOMA DE PUEBLA, MEXICO • 2022

- The Sponge Microbiome - A model system to investigate the role of the microbiome in animal health"

INTERNATIONAL CONFERENCES • 2018 – 2022

- ESCPB: "Adaptive Traits in sponge holobionts under Ocean Acidification"
- SISBNP: "Metabolic responses in competing corals and sponges under manipulated microbiome distress"

VOLUNTEERING

STUDENT REPRESENTATIVE • 2017 – 2019 • BIOLOGICAL FACULTY, UNIVERSITY OF JENA

VIOLINIST IN STUDENT ORCHESTRA • 2015 – 2017 • UNIVERSITY OF JENA

VOLUNTARY ECOLOGICAL YEAR • 2012 – 2013 • INTERNATIONALER BUND JENA

HOBBIES AND INTERESTS

MUSIC

I play violin, piano, saxophone, and sing. I enjoy composing music and playing with other musicians.

FITNESS AND NATURE ACTIVITIES

I enjoy hiking, travelling, nature photography, running, yoga and meditation.