



# 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 March 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 – 2023

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 JENA (FSU) • 2015 – 2016

Laboratory work in molecular biology and cell biology

### LAB DEMONSTRATOR /TEACHING AID • UNIVERSITY JENA (FSU) • 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 CO<sub>2</sub> 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 JENA (FSU) • 2016 – 2019

Grade 1.3 (Distinction / A)

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

### B.SC. NUTRITIONAL SCIENCES • UNIVERSITY JENA (FSU) • 2013 – 2016

Grade 1.5 (Distinction / A)

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

## GRANTS AND FUNDING

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

## TALKS

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### LECTURE TALK • UNIVERSITY PUEBLA, MEXICO (BUAP) • 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"

### INTERNAL SEMINARS • STAZIONE ZOOLOGICA ANTON DOHRN • 2018 – 2022

## VOLUNTEERING

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STUDENT REPRESENTATIVE • 2017 – 2019 • BIOLOGICAL FACULTY, UNIVERSITY JENA (FSU)

VIOLINIST IN STUDENT ORCHESTRA • 2015 – 2017 • UNIVERSITY JENA (FSU)

VOLUNTARY ECOLOGICAL YEAR • 2012 – 2013 • INTERNATIONALER BUND JENA

## HOBBIES AND INTERESTS

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### 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.