

Sarah Zauner, MSc  
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### Education

- Since 09/2017 PhD candidate in the Petersen Lab, Division of Microbial Ecology, Centre for Microbiology & Environmental Systems Science, University of Vienna, Austria  
Thesis title: “From Bacteria to bivalves: Inter-kingdom interactions in a marine symbiosis”
- 2015 Master of Science in Ecology, University of Vienna, Austria  
Grade A (excellent) Thesis title: “Diversity, habitats & size-frequency distribution of the gastropod genus *Conus* at Dahab (Gulf of Aqaba, Northern Red Sea)”
- 2013 Bachelor of Science in Biology, University of Vienna, Austria

### Grants & Awards

- 2017 Doc-fellowship from the Austrian Academy of Sciences
- 2016 Travel grant of the Austrian Research Association
- 2015 University of Vienna merit-based scholarship

### Academic working experience

- 2017 – present **PhD candidate** in Dr. Petersen’s symbiosis research group at the Division of Microbial Ecology, Centre for Microbiology & Environmental Systems Science, University of Vienna, Austria
- 2017 **Technical Assistant** in Dr. Petersen’s symbiosis research group, Vienna  
Main activities: Molecular analyses, aquaria maintenance, biogeochemical measurements of sediment samples
- 2016 **Trainee position** in Dr. Petersen’s symbiosis research group  
Main activities: Research stay at the HYDRA Institute, Elba, Italy for sample collection and preparation for further molecular analyses
- 2015 – 2013 **Graduate Research** at the Department of Paleontology, University of Vienna  
supervisor: Univ.-Prof. Mag. Dr. Martin Zuschin  
Main activities: Training in scientific diving methods (transect methods, underwater photography) and species classification of the mollusk genus *Conus* (3 months at the Red Sea Environmental Centre, Dahab, Egypt). Data collection and analysis for master thesis
- 2014 **Specific Research Project** in Ecology at the Department of Limnology and Bio-Oceanography, University of Vienna under supervision of Univ.-Prof. Dr. Monika Bright

Main activities: Comparative analysis of 16S and 18S rRNA sequences from marine host-bacteria associations of geographically distinct locations. DNA extraction, PCR and computational analysis

### Selected graduate course work

- 2019      Microsensor Training at Unisense, Aarhus, Denmark
- 2017      EBAME workshop on Computational Microbial Ecogenomics, University of Brest, France
- 2015      Training and Certification “Scientific Diver”, University Kiel, Germany
- 2014      Fluorescence- and Confocal Microscopy course including Image Processing at the Max F. Perutz laboratories, University of Vienna
- 2013      Advanced Marine Ecological Course - Research topic: “The symbiosis of *Zoothamnium niveum* – reinfection and host settlement” at the Marine Biology Station, Piran, Slovenia & at the Department of Limnology and Bio-Oceanography, University of Vienna (supervisor: Monika Bright)

### Technical skills

Microscopy (Confocal laser scanning & Light), embedding & semi-thin sectioning of tissues, Fluorescence in-situ hybridization (FISH), standard molecular techniques & computational methods for the analysis of sequencing data, Certified Scientific Diver

### Peer-reviewed publications

Zauner, S., & Zuschin, M. (2016). Diversity, habitats & size-frequency distribution of the gastropod genus *Conus* at Dahab (Gulf of Aqaba, Northern Red Sea). *Zoology in the Middle East*, 62, 2,125-136. doi:10.1080/09397140.2016.1182781

Zauner S, Vogel M, Polzin J, Yuen B, Mussmann M, El-Hacen EHM, Petersen J. (2022). “Microbial communities in developmental stages of lucinid bivalves” (accepted by ISME Communications)

### Conferences & workshops

- 2019      1<sup>st</sup> Meeting of the Society Mollusc Research Austria, Salzburg, Austria (Poster presentation)
- 2018      5<sup>th</sup> International Symposium on Microbial Sulfur Metabolism (organization & poster presentation)
- 2016      2<sup>nd</sup> European Conference on Scientific Diving, Kristineberg, Sweden (poster presentation)

