
Dr. Petra Pjevac

Joint Microbiome Facility / Division of Microbial Ecology
Department of Microbiology and Ecosystem Science
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Nationality: Croatian *Date of birth:* 31st March 1988 *Marital status:* married, 3 children

Education

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|------------|--------------|-------------------|----------------------|
| May 2014 | Dr. rer. nat | Microbiology | University of Bremen |
| March 2011 | M. Sc. | Microbiology | University of Bremen |
| Sept. 2009 | B. Sc. | Molecular Biology | University of Zagreb |

Employment

since 09/2020 *Group leader*, Division of Microbial Ecology

Department of Microbiology and Ecosystem Science
Centre for Microbiology and Environmental Systems Science
University of Vienna

since 12/2018 *Staff Scientist*, Joint Microbiome Facility

Department of Microbiology and Ecosystem Science
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2015-2018 *Post-Doctoral Researcher*, University of Vienna, Department of
Microbiology and Ecosystem Science (Advisor: Prof. Dr. Holger Daims)
(Parental leave July 2016 - September 2016)

2014-2015 *Post-Doctoral Researcher*, Max Planck Institute for Marine
Microbiology, Bremen, Germany (Advisor: Prof. Dr. Rudolf Amann)
(Parental leave September 2014 – December 2014)

Honors, Awards and Stipends

2020 FWF Zukunftskolleg (2,555,460 €; PI)

2019 RESEARCH COOPERABILITY PROGRAMME Croatian Science Foundation
(~280,000 €; Co-PI)

- 2018 Hochschuljubiläumsfond of the City Vienna Project Funding (12,000 €; PI)
- 2017 'Chemistry meets Microbiology' Joint Interdisciplinary Research Group (6,000 €; PI)
- 2015 FFG Research Career Grant – Relocation Grant (2,000 €)

Main research Interests

Metaomics, Bioinformatics, Microbial Ecology, Microbial Physiology

Ten most important publications

* - corresponding author § - equal contributions

1. CJ Sedlacek, AT Giguere, MD Dobie, BL Mellbye, RV Ferrell, D Woebken, LA Sayavedra-Soto, PJ Bottomley, H Daims, M Wagner, **P Pjevac (2020)** Transcriptomic Response of *Nitrosomonas europaea* Transitioned from Ammonia- to Oxygen-Limited Steady-State Growth. **mSystems** (doi: 10.1128/mSystems.00562-19)
2. **P Pjevac***, S Dyksma, T Goldhammer, I Mujakić, M Koblížek, M Mußmann, R Amann, S Orlić* **(2019)** In situ abundance and carbon fixation activity of distinct anoxygenic phototrophs in the stratified seawater lake Rogoznica. **Environmental Microbiology** (doi: 10.1111/1462-2920.14739)
3. KD Kits, M-Y Jung, J Vierheilig, **P Pjevac**, CJ Sedlacek, S Liu, C Herbold, LY Stein, *et al.* **(2019)** Low yield and abiotic origin of N₂O formed by the complete nitrifier *Nitrospira inopinata*. **Nature Communications** (doi: 10.1038/s41467-019-09790-x)
4. F Götz[§], **P Pjevac[§]**, Markert S, McNichol J, Becher D, Schweder T, *et al.* **(2019)** Transcriptomic and Proteomic Insight into the Mechanism of Cyclooctasulfur- versus Thiosulfate-Oxidation by the Chemolithoautotroph *Sulfurimonas denitrificans* **Environmental Microbiology** (doi:10.1111/1462-2920.14452)
5. **P Pjevac***, DV Meier, S Markert, C Hentschker, T Schweder, D Becher, *et al.* **(2018)** Metaproteogenomic profiling of microbial communities colonizing actively venting hydrothermal chimneys. **Frontiers in Microbiology** (doi:10.3389/fmicb.2018.00680)
6. KD Kits, CJ Sedlacek, EV Lebedeva, P Han, A Bulaev, **P Pjevac**, *et al.* **(2017)** Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. **Nature** (doi:10.1038/nature23679)
7. **P Pjevac***, C Schauburger, L Poghosyan, CW Herbold, MAHJ van Kessel, A Daebeler, *et al.* **(2017)** *AmoA*-targeted polymerase chain reaction primers for the specific detection and quantification of comammox *Nitrospira* in the environment. **Frontiers in Microbiology** (doi:10.3389/fmicb.2017.01508)
8. M Musmann[§], **P Pjevac[§]**, K Krueger, S Dyksma **(2017)** Genomic repertoire of the *Woeseiaceae*/JTB255, cosmopolitan and abundant core members of microbial communities in marine sediments. **The ISME Journal** (doi:10.1038/ismej.2016.185)
9. H Daims, EV Lebedeva, **P Pjevac**, P Han, CW Herbold, M Albertsen, *et al.* **(2015)** Complete nitrification by *Nitrospira* bacteria. **Nature** (doi:10.1038/nature16461)
10. **P Pjevac**, A Kamyshny Jr, S Dyksma, M Musmann **(2014)** Microbial consumption of zero-valence sulfur in marine benthic habitats. **Environmental Microbiology** (doi:10.1111/1462-2920.12410)