

Curriculum vitae with track record (Updated Mai 2021)

Personal information

First name, Surname:	Steffen Leth, Jørgensen		
Date of birth:	23.10.1975	Sex:	Male
Nationality:	Danish		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	ORCID number: 0000-0003-0240-7907		
URL for personal website:	https://thedeepbiosphere.w.uib.no https://www.uib.no/en/persons/Steffen.Leth.Jørgensen		

Education

Year	Faculty/department - University/institution - Country
2013 (dissertation defended)	Ph.D. Mathematics and natural sciences/Biology – University of Bergen (UiB)/Centre of excellence in Geobiology - Norway
2005	Master Natural sciences/Biology – University of Aarhus/Denmark

Positions - current and previous

Year	Job title – Employer - Country
2021 -	Associate professor – UiB - Norway
2019 -	Deputy director - CDeepSea Research/UoB - Norway
2017 - 2020	Researcher – K G Jebsen Centre for deep sea research/UoB – Norway
2013 - 2017	Post Doc – Earth Science/Centre of excellence in Geobiology - Norway

Project management experience

Year	Project owner - Project - Role - Funder
2021-2025	UoB – CDeepSea Research - Theme leader and deputy director - Trond Mohn Foundation
2019-2023	UoB – EnterDeep – Co-PI - RCN
2017-2021	UoB – TMS starting grant - PI -Trond Mohn Foundation
2017-2021	UoB – K G Jebsen Centre for Deep Sea Research - Co-PI - Jebsen foundation
2016	UoB – Magellan ECORD drilling initiative – PI - ECORD/IODP
2016	UoB – CSP-2787 – PI – JGI genome sequencing
2016	UoB – SUSTAIN – Co-PI – ICDP

2015	UoB – DCO_JOR – PI – Census of Deep Life/C-DEBI
2014 – 2017	UoB – The Deep Biosphere – Theme Co-leader – Centre of Excellence in geobiology

Supervision of students

Master's students	Ph.D. students	University/institution - Country
2	5	UiB - Norway
	2 Post docs	UiB, Norway

Other relevant professional experiences

Year	Description - Role
2021 -	Theme leader at CDeepSea Research
2019 -	Member of Dep. of Earth Science leader board
2019 -	Leading the geomicrobiology laboratory facility, Dep. of Earth Science, UiB
2019 -	Head of the Biochemistry and Geobiology group, Dep. of Earth Science, UiB
2019 -	PhD evaluation and advisory board, Dep. of Earth Science, UiB
2018 -	Surtsey observatory science panel
2018	National correspondent for InterRidge Steering Committee
2017 - 2020	Board member at the leader forum K.G. Jebsen Centre for Deep Sea research, UiB
2017 – 2020	Co-leading WP5 at K.G. Jebsen Centre for Deep Sea research, UiB
2016 - 2017	Molecular life science advisory board, UiB
2014 - 2017	Board member at the leader forum Centre of Excellence in geobiology, UiB
2014 – 2017	Theme co-leader “Deep Biosphere” Centre of Excellence in geobiology, UiB

Track record

List of 10 selected publications in peer-review journals.

Total citations 2119

First and last author publications are marked with *. Underscore denotes equal contribution and/or corresponding author.

[1]* Zhao R, Mogollón J M, Abby, S S, Schleper C, Biddle J F, Roerdink D, Thorseth I H, **Jørgensen S L** (2020) “Geochemical transition zone powering microbial growth in subsurface sediments” *PNAS*

[2]* Zhao R, Dahle H, Ramírez G A, **Jørgensen S L** (2020) “Indigenous Ammonia-Oxidizing Archaea in Oxidic Subseafloor Oceanic Crust” *mSystems* 5(2)

- [3] Dharamshi JE, Tamarit D, Eme L, Stairs CW, Martijn J, Homa F, **Jørgensen S L**, Spang A, Ettema T J G (2020) "Marine sediments illuminate Chlamydiae diversity and evolution" *Current Biology*
- [4]* Türke A, Jackson M D, Bach W, Kahl W-A, Grzybowski B, Marshall B, Gudmundsson M T, **Jørgensen S L** (2019) "Design and implementation of a submarine borehole observatory at Surtsey Volcano, Iceland" *Sci. Dril.*, 25, 57-62
- [5]* Zhao R, Hannisdal B, J M Mogollon, **Jørgensen S L** (2019) "Nitrifier abundance and diversity peak at deep redox transition zones" *Scientific Reports* 9, Article number: 8633
- [6]* **Jørgensen S L**, and Zhao, R (2016). "Microbial inventory in deeply buried oceanic crust from a young ridge flank" *Frontiers in extreme microbiology*
- [7]* Spang A, Saw J H, **Jørgensen S L**, Zaremba-Niedzwiedzka K, Martijn J, Lind A E, van Eijk R, Schleper C, Guy L, and Ettema, T J. (2015) "Complex archaea that bridge the gap between prokaryotes and eukaryotes" *Nature* 521.
- [8] Daae F L, Økland I, Dahle H, **Jørgensen S L**, Thorseth I H, and Pedersen R B (2013) "Microbial life associated with low-temperature alteration of ultramafic rocks in the Leka ophiolite complex" *Geobiology* 11 (4), 318-339.
- [9]* **Jørgensen S L**, Hannisdal B, Lanzen A, Baumberger T, Flesland K, Fonseca R, Øvreås L, Steen I H, Thorseth, I H, Pedersen R B, and Schleper C (2012) "Correlating Microbial Community Profiles with Geochemical data in highly stratified sediments from the Arctic Mid-Ocean Ridge" *PNAS* E2846–E2855.
- [10]* Pedersen R B, Thorseth I H, Lilley M, Barriga F, Baumberger T, Bernasconi-Green G, Flesland K, Fonseca, R and **Jørgensen S L** (2010) "Discovery of a black smoker vent field and a novel vent fauna at the Arctic Mid-Ocean Ridges" *Nature Communications* 1:126.

- **PUBLIC OUTREACH / COMMUNICATION**

Interviewed by a number of national and international news media over the last years, including *Aftenposten* and *NRK*. My work has been featured world-wide in major newspapers, including *New York Times*, *Washington Post*, *El Pais*, *National Geographic*, *International Business Times*, *The Economist*, *Science News*, *BBC*, *Science Daily*, *News Discovery*, *The Independent*, *Le Temps* etc. and broadcasted international on several large public radio stations. I have also been actively involved in several outreach programs while at scientific expeditions at sea and invited as speaker at public seminars. Currently featured in a Smithsonian documentary (bought by a long range of television broadcasters including *NRK*) related to the SUSTAIN drilling project. Involved in establishing the deep sea exhibition at the museum of natural Science in Bergen where I am portrayed.

- **SCIENTIFIC CRUISE EXPERIENCE**

- 2018 - Chief scientist on 2 scientific expeditions with R/V G.O. Sars to the Greenland/Norwegian Sea.
- 2007 - Responsible for coring operations on 10 scientific expeditions with R/V G.O. Sars to the Greenland/Norwegian Sea. (26 weeks in total)
- 2012 Calypso coring test cruise in the Norwegian Sogne Fjord (4 days)
- 2011 Mid-Atlantic ridge. IODP exp. 336 with R/V Joides Resolution (9 weeks)

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2019 Co-convenor, EGU conference
- 2017 Chair Magellan IODP workshop

2017 Co-convenor, Goldschmidt conference

- **INVITATIONS**

Lead guest editor for the peer review journals; Archaea, International Journal of Microbiology, Current Genomics, Organize research theme in the journal Frontiers in Microbiology. Numerous conferences and workshops, including ISPROF, C-DEBI Basement Microbiology Workshop, Deep Carbon Observatory (DCO) International Science Meetings in Munich and Shanghai, International Scientific Continental Drilling Project workshop "A New Drill Core at Surtsey Volcano". Key note speaker at the annual Norwegian Microbiology Meeting, the Ocean Outlook meeting 2017, the 6th deep sea microbiology meeting in Busan 2018 and the Arctic drilling initiative in Japan, Tokyo 2019.

- **REVIEWING**

2012 - Reviewer for the following journals: Proceedings of the National Academy of Sciences (PNAS), The ISME Journal, FEMS microbiology ecology, Microbial Ecology, Systematic and Applied microbiology, Environmental Sciences and Technology, Microbiology, Environmental Microbiology Reports, Frontiers, Scientific Reports, Journal of Oceanology and Limnology, Nature com.

- **FELLOWSHIPS AND AWARDS**

2017 TMS starting grant awardee. Faculty of Mathematics and Natural sciences/Department of Earth Science/K.G. Jebsen Centre for Deep Sea Research/UiB/Norway