

Curriculum vitae

(based on the RCN template for early career scientists)

PERSONAL INFORMATION

Family name, First name:	Söllinger, Andrea		
Date of birth:	29.12.1988	Sex:	Female
Nationality:	Austrian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	ORCID: 0000-0001-5585-5880 ResearcherID: ABA-9218-2020		
URL for personal website:	UiT – personal webpage Google Scholar		

EDUCATION

	Name of faculty/department, name of university/institution, country
2018 (14. November, dissertation defended)	Ph.D.: Faculty of Life Sciences/Department of Ecogenomics and Systems Biology, University of Vienna, Austria
2014 (thesis defended)	Master's: Faculty of Life Sciences/Department of Ecogenomics and Systems Biology, University of Vienna, Austria

POSITIONS

Current Position

	Job title/name of employer/country
2023–	Researcher / UiT The Arctic University of Norway / Tromsø/ Norway

Previous positions held

	Job title/name of employer/country
2019–2023	Postdoctoral research fellow / UiT The Arctic University of Norway / Tromsø/ Norway
2018–2019	Postdoctoral research fellow / University of Greifswald / Germany
2014–2018	University assistant (Praedoc) / University of Vienna / Austria
2013	Short-term contractor (research assistant) / University of Vienna / Austria

FELLOWSHIPS, AWARDS AND PRIZES

	Name of institution/country
2025–2026	Appointed Fellow: UiT Aurora Outstanding (a talent development program of UiT The Arctic University of Norway and the Tromsø Research Foundation (TFS)); 50 000 NOK
2025 & 2023	UArctic/Decentralized circumpolar organisation (Norway as member): north2north mobility fellowships for fieldwork and research communication (visiting Iceland)
2019	Bank Austria Foundation for Science and Research/Austria: Preis zur Förderung innovativer Forschungsprojekte: PhD thesis award for innovative research projects, 4000€, Title: <i>Physiological & Ecological Characterisation of Methanomassiliicoccales</i>
2017–2018	OeAD (Austrian agency for international mobility and cooperation in education, science and research)/Austria: Marietta-Blau Fellowship: 1-year fellowship to conduct research abroad. Project: <i>Physiological proteomics of Methanomassiliicoccus luminyensis</i>
2014–2017	University of Vienna/Austria: uni:docs: 3-year fellowship for PhD candidates, Project: <i>4ME - RuMEEn MEthanoplasmatales as target for MEthane mitigation: Eco-physiology and interactions assessed by integrated MEta-omics</i>
Travel awards	▪ UArctic north2north mobility fellowship, 2025 ▪ Erasmus+ fellowship, 2024 (visiting Viennese SHRINK collaborators in February 2025) ▪ FEMS travel grant for FEMS2023,

2016–2025	2023 ▪ UArctic north2north mobility fellowship, 2023 ▪ EMBO Travel Grant for EMBO Practical Course Breathless microbes, 2019 ▪ ISME travel award for ISME17, 2018 ▪ International Visegrad Fund ISAM participation grant, 2017 ▪ Dissemination Travel Grant (University of Vienna) for BAGECO 14, 2017 ▪ BFSS summer school fellowship, 2016 ▪ ÖFG (Austrian Research Association) Travel Grant for ISME16, 2016
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MOBILITY

Research stays abroad lasting more than three months

	Name of faculty/department/centre, name of university/institution/country
2017–2018	Institute of Microbiology / Department of Bacterial Physiology / Center for Functional Genomics of Microbes / University of Greifswald / Germany

PROJECT MANAGEMENT EXPERIENCE

Projects funded by Research Council of Norway, international research programmes, private or public organisations

	Project and role, funding from
2024–2028	“SHRINK – Is Global Warming Shrinking Soil Microorganisms?” FRIPRO Researcher Project Young Research Talents (Project No. 344999). Role: Project manager. Funding: Research Council of Norway (8 000 kNOK)
2017–2018	“Physiological proteomics of Methanomassiliicoccus luminyensis” (1-year fellowship from the Austrian agency for international mobility and cooperation in education, science and research (OeAD); Project No: ICM-2017-06211). Role: Project manager. Funding: Federal Ministry Republic of Austria Education, Science and Research
2014–2017	“4ME - RuME n MEthanoplasmatales as target for MEthane mitigation: Eco-physiology and interactions assessed by integrated MEta-omics” (uni:docs (Doc14-092); 3-year fellowship for PhD candidates). Role: Project manager. Funding: University of Vienna

SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

	No. of	Master’s students/ Ph.D./Postdocs	Name of faculty/department/centre, name of university/institution/country
2024–	3	1/2/-	Department of Arctic and Marine Biology/UiT The Arctic University of Norway/Norway
2024–	1	-/1/-	MACE laboratory/EPFL/Switzerland
2019–2025	6	3/1/-/2 (lab engineers)	Department of Arctic and Marine Biology/UiT The Arctic University of Norway/Norway
2018–2019	2	2/-/-	Institute of Microbiology/University of Greifswald/Germany

TEACHING ACTIVITIES

	Teaching position – topic, name of university/institution/country
2024–	Lecturer – Environmental Molecular Genetics (BIO-3018; 20 ECTS)/ UiT The Arctic University of Norway/Norway (co-pilot of the revised BIO-3018 course, starting 2026)
2024	Guest lecturer – PhD summer school “Microbial insights into non-CO ₂ greenhouse gas production and terrestrial biogeochemical cycles under climate change” organized by ACTIONr /University of Vienna/Austria
2018	Organizer and lecturer/preceptor: 10-h introductory course (programming and statistics) “How to become an R-tist – an introduction to R”, University of Greifswald/Germany
2017	Co-organizer, lecturer, and supervisor: 2-days laboratory course on Fluorescence in situ hybridisation (FISH) “FISHing with Nika, Philipp & Andrea”/University of Vienna/Austria

ORGANISATION OF MEETINGS

	Role and name of event/number of participants/country
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2024	Co-organizer of the ICOP2024 (12 th International Conference on Permafrost) session “9A - Permafrost Microbiology: Combining -omics with Ecological Theory”/ total number of participants >100 / held in Whitehorse/Canada
2022–	Organizer of the Microbiology @ UiT Journal Club , founded to bring microbiologists that are widely scattered across UiT institutions together / number of participants per session ~10 / UiT/Norway
2022	Organizer of two Green Lab Tours , to discuss sustainable research practices/possibilities at institute/university level (including VWR representatives) / number of participants per tour ~10 / UiT/Norway

INSTITUTIONAL RESPONSIBILITIES

Member of a committee/graduate student advisor etc.

	Name of university/institution/country
2021–	Member of the advisory committee (Institutttråd) of the Department of Arctic and Marine Biology (AMB) / UiT The Arctic University of Norway / Norway
2024	Member of the evaluation committee for the applicants to the PhD position in Arctic Microbial Ecology and Eco-physiology (Ref. 2024/7008) / UiT The Arctic University of Norway / Norway
2023	Member of the mid-term evaluation committee of C. A. Faehn, PhD candidate at AMB
2021	Member of the evaluation committee for the applicants to the PhD position in Plant Molecular Biology/Biochemistry (ABSORB-WP2-PhD) (Ref. 2021/2580) / UiT The Arctic University of Norway / Norway

COMMISSIONS OF TRUST IN ACADEMIC, PUBLIC OR PRIVATE ORGANISATIONS

Scientific advisory board/review board/review panel member/editorial board/scientific advisory board/reviewer/scientific evaluation/etc.

	Name of university/institution/country – and role
2021–	Ad-hoc reviewer, including: mSystems, The ISME Journal, One Earth
2024	UiT The Arctic University of Norway/Norway – Examination board member (Sensor): Master thesis: Judith Freyer, Title: “Analysis of Bacterial Communities associated with the Tidal Zone Grass <i>Puccinellia</i> in Response to Diesel Spills”
2018	University of Greifswald/Germany – Examination board member: Master thesis defense: Diana Münch, Title: “Seasonal dynamics of methanogenic microbiomes in rewetted and drained peatlands”

MEMBERSHIPS OF ACADEMIES / SCIENTIFIC SOCIETIES / NETWORKS

	Name of academies, scientific societies, networks
2024–	Member of the Arctic Soil Ecology Network (founding event)
2023–	Member of the Norwegian Society for Microbiology (NFM)
2022–	Member of the European Geosciences Union (EGU)
2019–	Member of the international research consortium ForHot
2018–	Member of the International Society for Microbial Ecology (ISME)

MAJOR COLLABORATIONS

Name of university/ institution/ faculty/ department/ centre, company/ governmental or non-governmental organisation	Topic
Institute of Biochemistry and Biophysics/Polish Academy of Sciences	N ₂ O emissions in polar regions
Institute of Microbiology/University of Greifswald (ongoing: DFG project BO 5559/1-1; in submission: ERC Starting Grant by Mathilde Borg Dahl)	Soil food webs & quantitative metatranscriptomics

Publications

Total number of publications (peer-reviewed): **13**; Total citations*: **905** (*[Google scholar](#), Jan. 2026)

5 key relevant publications in peer-reviewed journals:

Dahl MB, Brachmann S, **Söllinger A**, et al. 2025. Quantifying Soil Microbiome Abundance by Metatranscriptomics and Complementary Molecular Techniques—Cross-Validation and Perspectives. [Molecular Ecology Resources](#), 0:e14130 # of citations*: **3**

Söllinger A, Ahlers LS, Dahl MB, et al. 2024. Microorganisms in subarctic soils are depleted of ribosomes under short-, medium-, and long-term warming. [The ISME Journal](#) 18 (1), wrae081 # of citations*: **7**

Söllinger A, Séneca J, Dahl MB, et al. 2022. Downregulation of the microbial protein biosynthesis machinery in response to weeks, years, and decades of soil warming. [Science Advances](#) 8, 3230 # of citations*: **39**

Söllinger A & Urich T. 2019. Methylophilic methanogens everywhere—physiology and ecology of novel players in global methane cycling. [Biochemical Society Transactions](#) 47 (6), 1895-1907 # of citations*: **134**

Söllinger A, Tveit AT, Poulsen M, et al. 2018. Holistic assessment of rumen microbiome dynamics through quantitative metatranscriptomics reveals multifunctional redundancy during key steps of anaerobic feed degradation. [mSystems](#) 3:e00038-18 # of citations*: **134**

Oral Presentations (selection of invited talks)

“Are soil microorganisms depleted of ribosomes under short-, medium-, and long-term warming?” Invited talk at the **Spring Meeting of the Norwegian Society for Microbiology**, April 2024, online

“The ForHot project – a microbial perspective”. Invited talk at the **Agricultural University of Iceland (AUI)**, February 2023, Reykjavík, Iceland

“Using (quantitative) metatranscriptomics to study complex microbial communities”. Invited talk. **ELSA Workshop: The Microbial Ecology of Extreme Environments**, February 2023, Norwich, United Kingdom

Research communication and outreach activities (2 examples)

- 2020 – : **Group homepage**: Scientific communication and public outreach: [Cells in the Cold](#)
Role: Creating and maintaining the homepage
- Movie collection**: “Invisible Heroes: Bacteria and Friends”, three short movies/cartoons on microbes and their role in different environments (language Norwegian; main target group: children), “[Jord](#)” (soil), “[Mage](#)” (gut), “[Havet](#)” (sea). “[Schmetterlinge im Bauch?](#)” a short movie/cartoon on ruminant animals, their digestive system and its microorganisms (language German; target group: i.a., children)

Relevant Skills & Experience

 German (mother tongue)
English (fluent)
R (advanced)
Norwegian (beginner)

 **Field work experience** (>10 soil sampling campaigns, including fieldwork on Svalbard)

Leader of four international fieldwork campaigns in Iceland

 Metatranscriptomic
Metagenomics
Proteomics

 Nucleic acid extraction
PCR, cloning; qPCR

(Anaerobic) cultivation



 Big data analysis
Statistics (R)
Visualisation (Adobe I.)

 Fluorescent *in situ* hybridization (FISH)

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