

JÖRG SCHULLEHNER

Ph.D. in Medicine
M.Sc. in Environmental Engineering



education

2013-2016	Ph.D. in Medicine <i>Environmental Epidemiology</i>	Aarhus University
2011-2013	M.Sc. in Environmental Engineering <i>Urban Water Engineering</i>	Technical University of Denmark
2008-2011	B.Sc. ETH in Environmental Engineering <i>Urban Water Management</i>	Swiss Federal Institute of Technology, ETH Zürich

experience

2021- now	Assistant Professor Public Health, Aarhus University <i>Environmental Epidemiology. WP-lead EU Horizon project MARCHES: exposure-response functions for environmental risk factors (air & water). PI DFF project LowAs: assessing health effects of long-term low-level arsenic exposure</i>	Aarhus Denmark
2019- 2021	Researcher Geological Survey of Denmark and Greenland Postdoc Public Health, Aarhus University <i>Environmental Epidemiology (drinking water quality, adverse birth outcomes and childhood cancer); European-wide assessment of groundwater with human health relevance (HOVER); Public sector consultancy (groundwater monitoring).</i>	Aarhus Denmark
2016- 2019	Postdoc National Centre for Register-based Research, Aarhus University & Geological Survey of Denmark and Greenland <i>Environmental Epidemiology (drinking water quality and psychiatric diseases). Lead on a nationwide drinking water sampling campaign. Public sector consultancy (groundwater monitoring).</i>	Aarhus Denmark
2013- 2016	Ph.D. fellow Geological Survey of Denmark and Greenland <i>Environmental Epidemiology (register-based cohort study: drinking water nitrate and colorectal cancer)</i>	Aarhus Denmark
2015	Visiting researcher Centre for Environmental Epidemiology <i>Collaboration on drinking water quality and health in group of Dr C. Villanueva at CREAL (now part of ISGlobal Barcelona)</i>	Barcelona Spain
2012- 2013	Student employee Rambøll A/S <i>Surveying, technical drawing, and registration of private drinking water wells</i>	Copenhagen Denmark
2012	Fieldwork Arctic Technology Centre <i>Analysis of heavy metals in the aquatic environment</i>	Sisimiut Greenland

further training

2019	Teacher Training Programme (adjunktpædagogikum) Aarhus University
2018	Project Management Course Aarhus University

awards

- Top Downloaded Paper 2018-2019** | *International Journal of Cancer*
- Best Oral Presentation** | *3rd International Symposium on Environment and Health, 2016*
- Best Oral Presentation** | *6th International Conference on Medical Geology, 2015*
- Best Poster Presentation** | *PhD Day at Health, Aarhus University, 2015*
- Scholarship** | e-fellows.net, *for outstanding results during university studies, 2007-2016*
- University Entrance Award** | KIWANIS, *for excellence in history & political sciences, 2007*

List of publications: <https://pure.au.dk/portal/en/persons/js%40ph.au.dk/publications/>

languages

German | native
English | fluent
Danish | fluent
French | basic

programming

R, QGIS, ArcGIS,
Python, SQL, LaTeX

memberships

- International Medical Geology Association (country chapter secretary)
- International Society for Environmental Epidemiology
- Engineers without Borders
- Local water utility (board)

parental leave

8 months

research leadership & funding (selection)

		Grant total (DKK)
2023-26	Independent Research Fund Denmark (DFF) 'Health effects of long-term low-level arsenic exposure'	2,900,000
2023-24	Parkinsonforeningen 'Geographical mapping of demographic and socioeconomic characteristics in Danish patients with Parkinson's disease'	66,000
2014-16	Center for Register-based Research at Aarhus University 'Nitrate in Drinking water and risk of colorectal cancer'	395,000

as co-applicant

2023-26	EU Horizon Work package leader in 'MARCHES: Methodologies for Assessing the Real Costs to Health of Environmental Stressors'	30,000,000
2021-23	Independent Research Fund Denmark (DFF) 'Dietary nitrate: friend or foe?'	1,570,000
2020-23	World Cancer Research Fund 'Source-dependent nitrate and nitrite intake and risk of colorectal cancer, stomach cancer and bladder cancer'	2,500,000
2017-19	Karen Elise Jensens Foundation 'Is early-life exposure to nitrates in drinking water causing leukemia and other childhood cancers?'	1,500,000
2017-19	Karen Elise Jensens Foundation 'Geographical clustering of acute leukemia and multiple myeloma and association with pesticides in groundwater'	1,500,000
2017-21	US National Institutes of Health (NIH) 'Nitrate in drinking water and the risk of adverse birth outcomes (1R01ES027823-01A1)'	12,400,000

teaching (selection)

2019-	Head of Course Environment and Health, Bachelor Public Health, Aarhus University <i>Head of course (since 2021), lecturer, small-class teaching, examination (10 ECTS)</i>
2018-	Head of Course Graduate School of Health, Aarhus University <i>Head of course, lecturer in PhD course 'GIS in Health Sciences' (3 days course). Start-up of new course and preparation of all course material, teaching and examination (3 ECTS)</i>
2019-	Lecturer Bachelor Medicine, Aarhus University <i>Small-class teaching, lecturer, examiner in 'Environmental and Occupational Medicine' / 'Public Health'</i>
2017-	Supervision <i>Co-supervisor for 5 PhD students (4 completed), supervisor for 1 medicine research year student (ongoing), 7 MSc students (completed), 35+ BSc students</i>

communication (selection)

Session chair & oral presentation

2022	34th annual conference of the International Society for Environmental Epidemiology (ISEE 2022), Athens, Greece <i>Private drinking water wells in Denmark: monitoring and predicting nitrate levels</i>
------	---

Invited talks

2022	Advancing the Science for Drinking Water Chemical Exposure Assessment and Health Research, ISGlobal, Barcelona, Spain <i>Use of passive samplers in drinking water studies; Modelling exposure from drinking water quality monitoring programmes</i>
2019	52. Essen Conference for Water Management 'Water and Health', Aachen, Germany 2019 <i>Re-assessing the health risk of nitrate in drinking water [in German]</i> 23. Drinking Water Congress TU Hamburg, Germany <i>Recent studies on health risk of nitrate [in German]</i>

Oral presentations

2024	36th annual conference of the International Society for Environmental Epidemiology (ISEE 2024), Santiago, Chile <i>Overview of systematic reviews and exposure-response functions on nitrate in drinking water and colorectal cancer</i>
2021	8th International Congress & Exhibition on Arsenic in the Environment As2020 (virtual conference) <i>Arsenic concentrations "as low as reasonably possible": Leaders, laggards and possibilities for a guideline <10 µg/L</i>
2020	32nd annual conference of the International Society for Environmental Epidemiology (ISEE 2020), virtual conference <i>Estimating exposure to drinking water quality on a national level - Danish Design Drinking Water Epidemiology</i>
2019	31st annual conference of the International Society for Environmental Epidemiology (ISEE 2019), Utrecht, Netherlands <i>Exposure to manganese in drinking water during childhood and associations with ADHD</i>