

Tais Wittchen Dahl

Natural History Museum of Denmark, University of Copenhagen

Øster Voldgade 5-7
DK-1350 Copenhagen, Denmark

Email: tais.dahl@snm.ku.dk
Phone: (+45) 3532 2356
www.taiswdahl.com

Academic degrees

2009 Feb 25 PhD Geochemistry, Natural History Museum of Denmark (NHM), Uni Copenhagen (UCPH)
2005 MSc Geophysics Niels Bohr Institute, UCPH
2000-2004 BSc Physics, Niels Bohr Institute, UCPH

Professional experience

2018- Associate Professor of Geobiology, NHM, UCPH
2014-18 Tenure-Track Assistant Professor of Geobiology, NHM, UCPH
2013-15 Research fellow, NHM, UCPH
2010-12 Postdoc, Research fellow, University of Southern Denmark (SDU)
2009-10 Postdoc, Research fellow, Harvard University
2009 Consultant, Rockwool International A/S, sustainability of raw materials

Research visits

2013 University of Exeter, Prof. Tim Lenton (1/2 yr)
2011 Harvard University, Prof. Andrew Knoll and Benjamin C. Gill (1 month)
2010 Arizona State University, Prof. Ariel Anbar and Gwyneth Gordon (1 month)
2006, '07 Arizona State University, NASA Planetary Biology Intern, Prof. A. Anbar (1/2 yr)
2003, '04 California Institute of Technology, SURF fellow, Prof. David Stevenson (1/2 yr)
2002 California Institute of Technology Exchange Student, BSc course work (1/2 yr)

Research grants, honors and awards

2018 DFF-ERC project. *PlantImpact - Linking mesocosm experiments to... models* (8102-00005B)
2017 DFF Research Project 1. *The influence of land plants on Earth's oxygen* (7014-00295A)
2017 Carlsberg Distinguished Associated Professor Fellowship (CF16-0876)
2016 ERC Starting Grant Interview, Panel PE10.
2016 Carlsberg Infrastructure Grant.
2013-15 VILLUM Young Investigator "*Oxygen Regulation on Earth*" (VKR023127)
2013 Inge Lehmann's Legat af 1983, Royal Academy of Sciences and Letters
2011-16 Member of Young Academy, Royal Danish Academy of Sciences and Letters
2010-12 Villum Kann Rasmussen Fellow "*Oxygenation State of Ancient Oceans*" (1168439)
2009-10 DFF postdoc fellow "*Microbes to Animals – Constructing the environmental...*" (09-065813)
2005-09 PhD stipend, Faculty of Science UCPH and Danish National Research Foundation
2006 NASA Planetary Biology Internship, Arizona State University
2003 Summer Undergraduate Research Fellowship, California Institute of Technology
Total grants funded as PI: 13.2 million DKK (29.8 million DKK total)

Leadership experience, project coordination

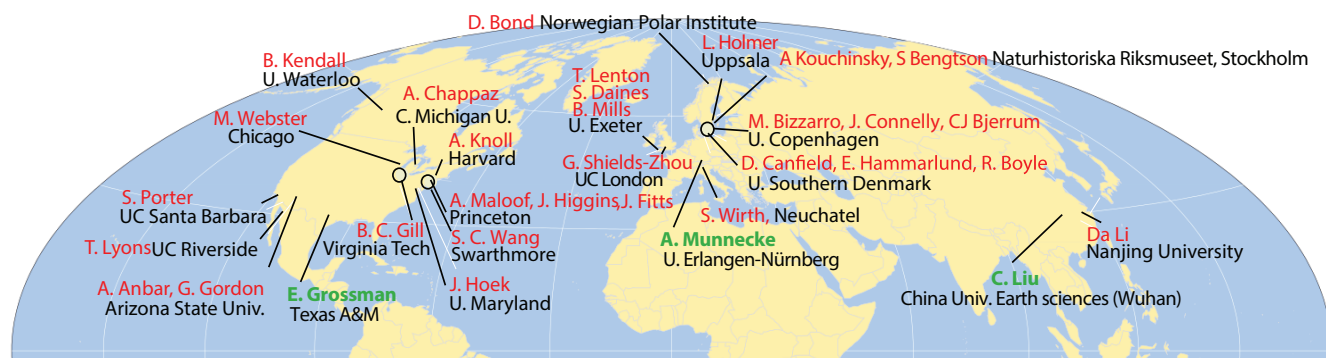
Leader of the Geobiology Laboratory, UCPH
PI on four major grants and co-PI on another two
Formal training in Research Leadership (LUKU3)
Project leader 2016-17 in outreach: "Mikrobernes Verden og Livets Udvikling", Videnskabsklubben.
8 years of experience supervising PhD, MSc, BSc, two technicians, and two student workers.
Supervising (supervised): 2 (2) postdocs, 2 (3) research assistants, 4(1) PhD, 2 (1) MSc, and 0 (2) BSc.

Research agenda

We integrate analytical models, laboratory experiments and geological observations to understand co-evolution of life and Earth's climatic and oxygenation history. We develop unique experimental tools to extract information from the geological record.

International and national collaborations

The Dahl laboratory is part of international working groups including an NSF-funded consortium of international researchers led by A. Maloof (Princeton) and Swedish VR-funded consortium led by Christian Skovsted (Stockholm). Actual ongoing collaborations include 30+ scientists within the Earth sciences worldwide (see map).



Academic service

- 2015 Member, Education Committee at the Natural History Museum of Denmark
- 2013- Member, Exhibition Committee at the Natural History Museum of Denmark
- 2012-14 Member of the board, Young Academy, Royal Danish Acad. of Sci. and Letters
- 2012-14 Member, Coordinating committee for Student Internships at the NHM of Denmark,
- 2012- Goldschmidt Session convener Montreal '12, Florence '13, Sacramento '14, Prague '15, Boston '18.
- 2013- Theme chair "Evolution of Earth's Environment" 23rd Goldschmidt Venice 2013
- Theme chair "Co-evolving life and environments through deep time" Barcelona 2018

Editorial and reviewing tasks

Guest editor for PNAS. Reviewer for more than 20 international journals incl. Science, Nature Geoscience, PNAS, Nature Sci. Rep., Science Advances, GPL, EPSL, GCA, Chemical Geology, Geobiology, JAAS, etc.

Scientific talks

Invited talks and lectures at 10+ international conferences, including **GSA Meeting** Indianapolis 2018, **Goldschmidt Conference** Boston 2018, **Durham University**, Sept. 2016, *Geochemical proxies*. Nuclear waste meeting, **Stockholm**, June 2016, *molybdenum cycling*. **Royal Society of Denmark** June 2016, *From Stones to Bread*. plus 20+ seminar lectures at international universities (incl. UC Riverside, Princeton, Aarhus, ETH, and Caltech).

Public outreach My research has hatched five international press releases (see publication list, part 3). I have appeared Danish Public National Radio P1 (twice), TV DR1 Deadline (once), in national and international TV documentaries (twice) and Underground Channel. I have given more than 20 popular lectures, incl. Danish Research Award 2011, Ministry of Education, Politiken Plus, Vin & Videnskab + primary and secondary high schools. I have contributed 10+ commentaries to www.videnskab.dk since 2010 and continuously contribute to science outreach at the Natural History Museum of Denmark.

Field experience I have organized two biogeo-field trips to Lake Cadagno, Switzerland 2011 and participated in several geological field excursions since 2007 (Utah, Nevada, Oman, Morocco, Ontario, Rio Tinto Spain, and Alum shale, Sweden, NE Greenland).

Administration and management

2016– 2019 | Member of the Study Board of Geosciences and Management at UCPH

Duties include verifying and validating courses with specific focus on the Geology BSc and MSc programs.

2016– present | SNM representative with the advisory board (aftagerpanel)

Duties include meetings with representatives of major geoscience employers. Discussion have both discussed student projects with industrial partners as well as skill sets of high demand in industry.

2016 – present | Substitute, Education Board, Natural History Museum of Denmark (NHM)

Duties include evaluating courses offered by the NHM, coordinating educational activities for students and pedagogical development opportunities for faculty.

2012– 15 | Member, Student Internship Coordinating Committee, NHM

Duties include designing and coordinating the program offered by the Natural History Museum for educating primary school students what it is to work at the museum.