

Employment

Department of Geology

Lund University
Lund, Sweden
2024 Jan 17 → present

Senior professor, 20%

Stockholm University
Stockholm, Sweden
2016 Apr 1 → 2017 Mar 31

DR DEGREE: 1979 at Lund University (LU) in Quaternary Geology, based on a Master Sc. degree in Mathematics, Geology, Physical Oceanography and Environmental Science.

POST-DOC: Dept. of Geology and Geophysics, Minneapolis, USA, June 1981-May 1982.

PREVIOUS RELEVANT POSITIONS DURING THE LAST 40 YEARS

1973: Worked as a geologist and hydrologist for the Environmental Protection Board of the province of Halland.

1973-74: Worked with Quaternary geological mapping for SGU for 5 months.

1975-79: PhD scholarship at LU

May 1979-Dec 1979: Earth Science expert for environmental protection (geologic objects).

January 1980-May 1981: Several short temporary positions at LU.

June 1981-May 1982: NFR post-doc at Geology/Geophysics at Univ of Minnesota, USA.

June 1982-December 1987: Forskarassistent (Senior Research assistant) at LU.

January 1988-December 1993: Higher Research position financed by NFR/VR.

January 1994-June 1994: University lecturer at LU.

July 1994-June 2000: Professor Chair in Quaternary Geology at the Univ of Copenhagen, DK

June 2000-March 2015: Professor Chair in Quaternary Sciences at LU.

March 2015-ongoing: Professor emeritus at Lund University

May 2016-ongoing: Senior professor, 20%, at Stockholm University

PERSONS AWARDED DOCTORATES, WITH S BJÖRCK AS MAIN SUPERVISOR

G. Lemdahl (1988), B. Liedberg-Jönsson (1988), N-O. Svensson (1989), D. Hammarlund (1994), H. Jiang (1996), M. Rundgren (1997), C. S. Andresen (2004, external), C. Sparrenbom (2006), R. de Jong (2007) and K. Ljung (2007), J. Striberger (2011), Marilen Fernandez (2013, external), Conny Lenz (2015).

I was also co-supervisor for 11 other PhD theses and main supervisor for 14 Danish Cand. Sci. theses. Presently I am co-supervisor for 2 PhD students.

POST-DOCs (working with/supervised by/employed by the applicant and his projects)

James Almendinger, 1989-90; Ole Bennike, 1993-1994; Carsten Israelson, 1995-1999; Tine Rasmussen, 1995-2000; Torben Fronvald, 1997-1999; Hui Jiang, 1997-2002; Peter Rosén, 2000-2004; Raimund Muscheler, 2002-2004; Tammy Rittenour, 2003-2004; Camilla Andresen, 2003-2005; Kristian Schoning, 2004-2006; Ingmar Unkel, 2006-2008; Sofia Holmgren, 2009-2012; Nathalie van der Putten, 2010-2015; Jesper Sjolte, 2014-2015.

PERSONAL HONOURS/PRICES

1995: Elected member of the Royal Fysiographic Society in Lund

1998: Received teaching price (25.000 DKK) by the Science Faculty in Copenhagen

2002: Elected member of the Swedish Royal Academy of Sciences (KVA)

2004: Received the Assar Hadding price (260.000 SEK), awarded every 3rd year to a Swedish geologist.

2006: Internationally evaluated 2006 by VR as 'Outstanding Swedish Quaternary Geologist'.

2006: Chosen as the "Geologist of the Year" (Årets Geolog)

2007: Received the price "Björkénka Priset" (95.000 SEK) in Uppsala 2007 awarded every 4th year to a chemist, mineralogist or a geologist.

FIELD EXPEDITIONS/FIELD WORK OUTSIDE MAINLAND SCANDINAVIA

1981: Minnesota, NW Ontario. 1982: Minnesota, South and N Dakota. 1984: Minnesota. 1986: Minnesota. 1989: Antarctic Peninsula. 1990: Iceland and E Greenland. 1991: Iceland. 1992: NE Greenland and Iceland. 1993: Antarctic Peninsula. 1995: Faeroe Islands. 1997: Faeroe Islands. 1998: Faeroe Islands. 1999: S Greenland. 2001: The Azores, Romania and S Greenland. 2002: Grenada (Caribbean) and Faroe Islands. 2003: Tristan da Cunha Island group (S Atlantic) and Romania. 2004: Iceland. 2005: Iceland and Isla de Los Estados (Tierra del Fuego). 2006: Romania, Hungary and Iceland. 2007: Iceland. 2010: Tristan da Cunha. 2011: Chile. 2013: Thailand. 2014: Chile and Ile Amsterdam (S Indian Ocean)

EXPERIENCE AS RESEARCH EVALUATOR ETC DURING THE LAST 15 YRS

1980-ongoing: Member of a number of editorial boards
1993-ongoing: Regularly external evaluator for international research bodies such as ERC; NSF (US), NERC (GB) and the Canadian, Finnish, Dutch, Norwegian and Belgian research councils.
1997-2004: Served as a member of the Earth Science evaluation board for the Swedish Research Council (NFR and VR)
2000-ongoing: Evaluator of a number of international research centres
2002-ongoing: Evaluator of research proposals for the Royal Academy of Science
2007-2009: Member of the NT (Natural and Technical Science) board at VR, evaluated post-doc applications etc
2010-2012: Member and chair of NT
2013-2018: Member of the natural science evaluation board for Wallenberg Academy Fellows

EXTERNALLY FUNDED LARGER BASIC RESEARCH PROJECTS SINCE 1995

1995: "High-resolution stratigraphic/palaeoclimatic studies of the last glacial/interglacial transition in Denmark". SNF (Danish Natural Science Research Council).
1996-98: "Climate transitions of the last interglacial-glacial-interglacial cycle in the North Atlantic region". SNF
1999-2000: "Natural climate forcing and environmental variability of the last 200.000 years in the NE Atlantic region". SNF
2001-2005: "An interhemispheric transect: paleoclimatic analyses of late Quaternary lacustrine and terrestrial records of Atlantic islands (ATLANTIS)". VR
2001: "Relative sea level studies in southern Greenland – the solution of the postglacial history of the Greenland Ice Sheet". The Crafoord Foundation.
2002: "AMS-apparatur för kol-14 analyser inom naturvetenskaplig, medicinsk och arkeologisk forskning". VR and Knut och Alice Wallenbergs Stiftelse.
2006-2008: "Vatnajökull melt-water discharge variability – An unexplored Holocene climate sensor in the Nordic Sea region". VR
2008-2017: "Lund Centre for studies of Carbon Cycle and Climate Interaction (LUCCI), co-applicant on a Linneaus grant. VR
2009: "The climate development in the South Atlantic during the Last Termination: logistic expedition support." The Crafoord Foundation
2009-2011: "The Last Termination in the central South Atlantic". VR
2010-2012: Support to research as a member of the NT board. VR
2013-2014: "Modeling the shifts of the Southern Hemisphere westerlies during the Last Termination and into the Holocene". VR
2013-2015: "Deciphering the role of the Southern Ocean in the global climate system". VR