

**Education:**

- Ph.D. (July 1995). University of Canterbury, Christchurch, New Zealand
- B.Sc. (Hons.) (first class) (July 1990). University of Canterbury, Christchurch, New Zealand

**Employment history:**

- March 2018-present: Deputy Head of Department (education), Department of Geosciences and Natural Resource Management, Copenhagen University, Denmark.
- 2014-present: Professor of Geochemical, Mineralogical and Petrological Earth processes at the Department of Geosciences and Natural Resource Management, Copenhagen University, Denmark.
- September 2003-2014: Associate Professor in Igneous Petrology at the Department of Geography and Geology, Copenhagen University, Denmark.
- July 2000-August 2003: Manager of the Danish Lithosphere Centre Axiom multi-collector ICPMS laboratory (Copenhagen, Denmark).
- 1998-July 2000: Post-doctoral researcher at Danish Lithosphere Centre, investigating geochemical consequences of magma interaction processes and crustal evolution (including a 6 month visit to the Department of Geology, University of Maryland, College Park, USA).
- 1996-1997: Post-Doctoral research associate at the School of Earth Sciences, La Trobe University, Melbourne. Research focused on andesite petrogenesis (Mt. Ruapehu, NZ) and granitoid petrogenesis (Lachlan Fold Belt, Australia).

**Research management:**

- 2019: Grant of 4.3 million DKK from Danish Agency for Science, Innovation and Technology (FNU) towards 'Assessing the periodicity and mechanisms of continental crustal growth' (Starts Jan 2020).
- 2017: Grant of 56,600 DKK as a contribution for inviting plenary speakers to the conference "The Nordic Geological Winter Meeting 2018"
- 2016: Collaborator on two Geocenter grants (Sam Weatherly - GEUS: Mushy Mineralising Systems – 585356 DKK; Emily Pope – SNM: The Evolution of Earth's Deep Water Cycle: Developing a Method for Evaluating  $\delta D$  of the Ancient Mantle – 900000 DKK).
- 2013: Grant of 60,000 dkk from Carlsberg Foundation towards 'How accurate is geochronology? A test case at Ilimaussaq, SW Greenland'.
- 2013: Collaborator on two Geocenter grants (Lindström: The Triassic-Jurassic boundary: Impact of a Large Igneous Province on the geobiosphere and Andresen: Upernavik Glacier – a case study for improving predictions of future dynamic mass loss from Northwest Greenland)
- 2013: Associate investigator on grant of \$31700(NZD) from Otago University towards 'Using mantle 'fossils' to elucidate the cause of Dunedin Volcano eruption' (James Scott as PI)
- 2010: Grant of 2.2 million dkk from Danish Agency for Science, Innovation and Technology (FNU) towards 'Igneous processes during the transition from subduction to crustal break-up, New Zealand.
- 2010: Grant of 150,000 dkk from Carlsberg Foundation towards 'Microdrilling investigations of igneous processes.
- 2009: Geocenter grant (1.3 million dkk) towards post-doctoral position developing Chemical dating of monazite using the microprobe.
- 2008-2010: Collaborator on Framework Grant (1.5 million dkk; shared with 3 others) from the Danish Agency for Science, Innovation and Technology (FNU) (P.M. Holm, Copenhagen as primary applicant)
- 2007-2008: Grant of 100,000 dkk from Carlsberg Foundation towards geochronological and geochemical investigating of basement rocks on Bornholm, Denmark.
- 2006: Geocenter grant (1 million dkk) with Troels Nielsen as P.I. towards Ph.D. investigating kimberlites in West Greenland.
- 2005-2007: Framework grant of 1.5 million dkk (shared with 3 others) from the Danish Agency for Science, Innovation and Technology (FNU) (C. Tegner, Århus as primary applicant).
- 2005: Grant of 100,000 dkk received from Carlsberg Foundation towards purchase of New-Wave Micromill sampling system.

**Supervision of students**

- Supervisor of 30 completed Masters students and current supervisor of 4 ongoing Masters students (Aug 2019).
- Supervisor of 4 completed Ph.D. projects and one ongoing (Aug 2019)

**Additional academic responsibilities:**

- Editor Journal of Petrology since Jan 2019.
- Responsible for operation and management of electron microprobe laboratory.
- Group leader for the research group in Geochemical, petrological and mineralogical processes at IGN 2016-2017.
- Member of organizing committee for the Nordic Geological Winter Meeting 2018, held at the Danish Technical University.
- Member of 'Studienævnet' (Study committee) and 'Undervisningsudvalg' (teaching committee) responsible for planning of teaching-related matters at Department of Geoscience and Natural Resource Management.
- Member of Work Environment and Safety Committee (2003-2013).
- Chair of special session at Goldschmidt 2004 conference, Copenhagen, entitled 'In situ investigations of properties and processes.
- Member of board of the Danish Geological Society (from 2014).
- Member of the Geoscience Society of New Zealand (from 1992).

**Current Teaching Responsibilities:**

- Geological Processes and Materials: First year introductory geology course, including field trip to Bornholm (7.5 ECTS), responsible for ca. 75% of teaching. Course coordinator.
- Geology and Geochemistry of the Lithosphere: Second-third year course in petrology and geochemistry, including a field trip to Spain (7.5 ECTS), course coordinator, field trip organizer and responsible for 50% of teaching.

- Structural Geology: Second-third year course in structural geology and map interpretation, including a field trip to Mors (7.5 ECTS), responsible for ca. 50% of teaching. Course coordinator.
- Core to Crust II: Masters course (7.5 ECTS), responsible for 50% of teaching (geochemistry and petrology of the crust and upper mantle).
- Masters Field techniques course: Joint organizer of 15 ECTS field course to Utah (run in 2006, 2010, 2014, 2016, to run October 2019)

**Publication summary:**

78 published peer-reviewed articles, two book chapters.

H-Index = 30 (Web of Science Aug 2019).

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