

CV for Bjørk Hammer

Danish citizen, born January 8, 1968. Married. Three children.

Education and career

1990: Master of electrical engineering, Danmarks Tekniske Universitet (DTU).

1993: PhD, Solid state physics, DTU.

1993-1994: Alexander von Humboldt Fellow/post doc (12 months), Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany.

1994-1995 and 1996-1997: Post doc and Research associate professor, Institut for Fysik, DTU.

1995-1996: Post doc. (6 months), NCSA, Univ. of Illinois at Urbana-Champaign, Illinois, USA.

1997-2000: Associate professor, Institut for Fysik, Aalborg Universitet.

2000-2008: Associate professor, Institut for Fysik og Astronomi, Aarhus Universitet.

2009-: Professor, Institut for Fysik og Astronomi, Aarhus Universitet.

Honors and Awards (extract)

1996: STVF's 50 års jubilæumspris, Copenhagen, Denmark (dkk 250.000,-).

2006: Hede Nielsen prisen, Horsens, Denmark (dkk 250.000,-).

2007: Lundbeck Fondens Yngre Forskerpris, Århus (dkk 250.000,-).

2009: Videnskabsministeriets EliteForsk pris, Copenhagen (dkk 1.100.000,-).

2012: Sapere Aude Topforsker.

2017: Aarhus Universitets Jubilæumsfonds Pædagogiske Hæderspris (dkk 100.000,-).

2017: VILLUM Investigator.

Funding record (extract)

1998-2003: dkk 3.0 mill., Physical and chemical properties of materials surfaces (STVF).

1999-2005: dkk 2.2 mill., Non-stick coatings (Materialeprogrammet/SNF).

2007-2009: dkk 2.9 mill., Katalyse ved grænseflader mellem tre faser (FNU).

2007-2011: dkk 7.8 mill., Hybrid functionals for metal oxide surfaces and nano-particles (NABIIT).

2008-2011: dkk 3.0 mill., Asymmetrisk katalyse ved overflader (Lundbeck Fonden).

2013-2017: dkk 11.9 mill., Chirally modified heterogeneous catalysis (FNU).

2014-2016: EUR 0.22 mill., Nano DeSign (Marie Curie stipend for Albert Bruix).

2017-2023: dkk 24.7 mill., Machine learning in atomic structure determination (VILLUM Foundation).

Scientific leadership

Completed supervision of nine PhD, seventeen master, and fifteen bachelor students, plus fourteen post docs. Current group size: One post doc, five PhD students, one master student, four bachelor students, two research assistants.

Publications and presentations

200 papers published in peer-reviewed international journals. See [electronic list of publications](#).

Many papers in high-impact journals: Nature (2), Science (4), and Physical Review Letters (37).

H-index ([Web-of-Science](#)): 71. H-index ([Google Scholar](#)): 78.

More than 100 invited conference, workshop, summer school, or institutional seminar presentations.