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## *Professor (Adjunct) of Infectious Disease Epidemiology*

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## Personal

Born: January 8, 1964

Family: Susanne Koch (wife), Joachim (son, born 1992), Mikkel (son, born 1994), and Caroline Koch (daughter, born 1995).

## Education

1982: Baccalaureate, Ingrid Jespersens Gymnasium, Copenhagen, Denmark.

1991: MD, University of Copenhagen.

2000: PhD (epidemiology), University of Copenhagen.

2006: Theoretical course in Public Health, Danish National Board of Health.

2009: MPH (Master of Public Health), University of Copenhagen.

2014: Diploma in tropical infections, Karolinska University Hospital, Sweden.

2015: Specialist in Infectious Diseases, Danish National Board of Health.

2016: Diploma in Advanced Vaccinology (ADVAC course), Fondation Mérieux, Annecy, France.

## Honor

1989: Awarded gold medal of the University of Copenhagen, for a prize paper on Greenlandic biological anthropology.

## Employment

1991 - 94: Medical doctor, Royal Danish Navy; Internship, Hillerød Hospital, North Zealand, Denmark; Resident (general surgery), Hvidovre University Hospital, Copenhagen.

1994 - 00: Researcher, Department of Epidemiology Research, Statens Serum Institut, Copenhagen (PhD student 1996 – 99).

2000 - 01: Resident (Oto-rhino-laryngology), National University Hospital, Copenhagen (leave, SSI).

2001 -: *Senior researcher, Department of Epidemiology Research, Statens Serum Institut. Manager of the Section for Greenland Research, Department of Epidemiology Research, and adviser to the Greenlandic Health System.*

2002 - 10: Clinical employments as resident of up to 1½ years length (Oto-rhino-laryngology and infectious diseases, National University Hospital, Copenhagen (leave, SSI).

2004: Assistant doctor, National Board of Health. Drafted National Influenza Pandemic Plan (leave, SSI).

2010 - 15: Specialist registrar-in-training (Infectious diseases), Rigshospitalet University Hospital, Copenhagen, & Senior researcher, Department of Epidemiology Research, Statens Serum Institut, Copenhagen.

2015 -2017: Senior researcher, Department of Infection Epidemiology and Prevention, SSI, & Staff specialist, Department of Infectious Diseases, Rigshospitalet University Hospital, Copenhagen.

2017-: External lecturer, Global Health Section, Department of Public Health, University of Copenhagen.

2017-: Professor (Adjunct) of Infectious Disease Epidemiology, Ilisimatusarfik, University of Greenland.

2018: Chief Physician, Rigshospitalet University Hospital & Statens Serum Institut, DK, and Queen Ingrid's Hospital, Greenland.

## Field work

1992 -: In total 1½ years of field work in various areas of Greenland.

## Publications and presentations

1992 -: 108 printed & accepted peer-reviewed original papers in international journals. H index 35 (23 since 2014, Google Scholar). 4 book chapters. >140 oral and 30 poster presentations on epidemiological topics at scientific congresses and meetings in Denmark, Norway, Iceland, Greenland, England, Scotland, The Netherlands, France, Spain, USA, Canada, Russia, Australia, Japan, and Brazil.

### **Academic supervision, examination and management experience**

- 2000 -: PhD supervisor for 14 PhD students (11 finished, 3 ongoing). Supervisor for 20 medical and other university students (University theses). External assessor for 5 PhD theses.
- 2001 -: Manager of the Section for Greenland Research, Department of Epidemiology Research, Statens Serum Institut.
- 2010 -: External examiner for the public health educations (Copenhagen, Aarhus, and Southern Denmark Universities).
- 2015 -: Research leader, Department of Infectious Disease Epidemiology and Prevention, Statens Serum Institut.

### **Academic teaching**

- 2000 -: Teacher at and organizer of postgraduate university courses in epidemiology including infectious disease epidemiology, infectious diseases and travel medicine for physicians, PhD students, medical and public health university students, and nurses specialized in hospital hygiene.
- 2008: Main organizer of Seminar in Infectious Diseases, Center for Health Education, Nuuk, Greenland .
- 2016 -: Main organizer of Summer School and PhD Course in Arctic Health, University of Copenhagen, August 2018.
- 2017: Co-organizer of Course in Travel Medicine, Danish Society for Travel Medicine, Copenhagen, May 2017.

### **University affiliation**

- 2000 -: External lecturer for medical, public health and PhD students, University of Copenhagen.
- 2007 -: PhD assessor, University of Southern Denmark.
- 2010 -: External examiner for the public health educations (Copenhagen, Aarhus, and Southern Denmark Universities).
- 2016: Member of the Board of Arctic Researchers, University of Copenhagen.
- 2016: Main organizer of Summer School in Arctic Health, University of Copenhagen, August 2017.
- 2017 -: External lecturer, Global Health Section, Department of Public Health, University of Copenhagen.
- 2017 -: Professor (Adjunct) of infectious Diseases, Ilisimatusarfik, University of Greenland.

### **Review experience**

- 2000 -: Reviewer for 21 medical journals.
- 2014 -: Deputy Editor, the International Journal of Circumpolar Health.

### **Committees**

- 2000 -: Board member, the Danish Greenlandic Society for Circumpolar Health ('Grønlandsmedicinsk Selskab').
- 2004 -: Member of the International Circumpolar Surveillance Steering Committee, CDC, Alaska.
- 2012 -: Chairman, the Danish Greenlandic Society for Circumpolar Health ('Grønlandsmedicinsk Selskab').
- 2012 - 16: Board member, the Danish Society for infectious Diseases.
- 2012 - 15: Vice President, The International Union for Circumpolar Health.
- 2015 -: President, The International Union for Circumpolar Health.
- 2015 -: Board member, The Danish Society for Travel Medicine.
- 2016: Member of the Board of Arctic Researchers, University of Copenhagen.
- 2016: Member of the Forum for Arctic Researchers, the Danish Ministry of Higher Education and Science.
- 2017: Observer to the Nordic Expert Group on Antimicrobial Resistance as representative of Greenland.
- 2018: Member of the national Greenland Tuberculosis Steering and Coordination Group, the Health System of Greenland.

### **Congress organization:**

- 2003: Co-organizer of ICCH12 congress in Nuuk, Greenland.
- 2007 -: Co-organizer of NUNA MED congresses in Nuuk, Greenland (2007, 2010, 2013, 2016, 2019).
- 2012: Scientific advisor to the ICCH15 Congress in Fairbanks, Alaska.
- 2015: Scientific advisor to the ICCH16 Congress in Oulu, Finland.
- 2015: President of the ICCH17 Congress in Copenhagen, 2018.
- 2016: Scientific advisor to the 34rd NSCMID Annual Meeting in Thorshavn, The Faroe Islands.
- 2017: Scientific advisor to the NECTM7 Congress in Stockholm, Sweden.

### **Main scientific focus areas**

- 1994 -: Epidemiological field-, register- and biobank based studies in Greenland, primarily within infectious diseases and cancer.
- 2015 -: Epidemiology of MRSA and antimicrobial resistance in Denmark.

### **International collaborations**

Comprehensive collaborations with circumpolar researchers primarily from the CDC, Anchorage, Alaska, and Health Canada. Main organizer of yearly working group meetings in infectious diseases in the Arctic with participants from the USA, Canada, Greenland, Norway, Sweden, and Russia. Past President of The International Union for Circumpolar Health.