

## EDUCATION

1995 MD, University of Copenhagen  
2010 Specialist in Internal Medicine and Endocrinology  
2020 CBA. AVT Business School

**ACADEMIC DEGREE** Ph.D. on a thesis entitled: Glucose Intolerance and its associated cardiovascular risk among Greenland Inuit. University of Copenhagen  
2004

## EMPLOYMENTS

2021- Chief Physician & Research Leader, Steno Diabetes Center Greenland  
2016- Adjunct professor, Greenland University  
2015- Professor, University of Southern Denmark  
2012-2021 Chief Physician & Research Leader, Steno Diabetes Center Copenhagen, Denmark  
2010-2012 Chief Physician & STAR-researcher, Steno Diabetes Center, Copenhagen, Denmark  
2005-2010 Clinical specialist training, Endocrinology & Internal Medicine, Hillerød Hospital, Herlev Hospital & Steno Diabetes Center, Copenhagen  
2004-2005 Postdoc., University of Southern Denmark  
2001-2004 Research Fellow, Steno Diabetes Center, Copenhagen  
1995-2000 Registrar: Steno Diabetes Center, Hillerød Hospital, Queen Ingrid's Hospital, Greenland

## MAIN RESEARCH ACTIVITIES

I have a clinical background as endocrinologist, and besides I have been actively engaged in epidemiological research since 1996 with focus on the association between social transition, lifestyle factors, ethnicity, environmental factors and chronic disease, primarily diabetes, obesity and cardiovascular disease. The main focus has been on the Inuit population in Greenland. My main qualifications include a broad experience of large-scale data collection, budget and project management, supervising and leading researchers, ability to obtain research funding, and last but not least a documented ability to collaborate nationally and internationally across qualitative-, epidemiological- and basic science disciplines.

2021-2023 The effect on metabolism, food intake and -preferences of a knock-out gene variant involved in carbohydrate metabolism in Greenland (PI)  
2021-2024 The *POLAR* project: The impact of seasonal and secular climate variations and short-term cold exposure on cardiometabolic risk markers in Arctic Inuit (PI)  
2018-2020 Dietary and exercise modification of p.Arg684Ter variant in the TBC1D4 gene on glucose homeostasis in Greenland Inuit (PI)  
2016-2019 The population study in Greenland 2016-2019 (PI of the clinical study)  
2015 "The treatment reality of type 2 diabetes in Denmark": a register-study (PI)  
2015 "Pre-D: Effects of short-term exercise training on glucose regulation and cardiovascular risk in pre-diabetes defined by HbA<sub>1c</sub>" (RCT, PI)  
2014 The population study in Greenland 2014 (co-PI)  
2013- The Addition Study DK: Steering committee member  
2005-2010 The Inuit Health in Transition Study. Population based study of Inuit in Greenland, Canada and Alaska. PI of the study of obesity and diabetes  
1999-2004 The Greenland Population Study B99: (Coordinator).  
1996-1999 Diet and 24-hour blood pressure among Greenland Inuit (Research assistant)

**SUPERVISION** PhD theses: 20 (9 active, 14 completed), Master theses: 15 defended

## AWARDS

2018 Received Professor Niels Schwartz Sørensen award (Danish Endocrine Society)

2003 Received EFSD “Burden of Diabetes” fellowship

#### OTHER EXPERIENCE

2020 WHO situational analysis on the screening for retinopathy: Country Representative  
2019-2021 Danish Red Cross: Illegal Migrants’ Diabetes Clinic: Volunteer Diabetologist  
2019- German Center for Diabetes Research: Scientific Advisory Board Member  
2014 National Board of Health: Committee member of the National Guidelines for Rehabilitation of patients with type 2 diabetes  
2013-2015 International Journal of Circumpolar Health, Scientific Editor  
2013-2014 Diabetologia, Advisory Board Member, Associate Editor 2008-2012  
2007- Danish Diabetes Quality Program, Documentalist 2007-11, Advisory Board 2012-  
2009-2012 International Journal of Circumpolar Health, Associate Editor  
2003-2021 Board Member: The Greenlandic Medical Society

**PUBLICATIONS:** 271 original publications, 2 Textbook chapters & 10 reports. First author: 28, Last author: 51, Corresponding author: 49. <https://orcid.org/0000-0001-8356-5565> Complete List [MAEJ publications](#)

#### Selected publications

1. Jørsboe E, Andersen MK, Skotte L, Stæger FF, Færgeman NJ, Hanghøj K, Santander CG, Senftleber NK, Diaz LJ, Overvad M, Waples RK, Geller F, Bjerregaard P, Melbye M, Larsen CVL, Feenstra B, Koch A, Jørgensen ME, Grarup N, Moltke I, Albrechtsen A, Hansen T. An LDLR missense variant poses high risk of familial hypercholesterolemia in 30% of Greenlanders and offers potential of early cardiovascular disease intervention. *Human Genetics and Genomics Advances*, 2022; 100118 DOI: 10.1016/j.xhgg.2022.100118 (c)
2. Bjerregaard P, Larsen CVL, Olesen I, Ottendahl CB, Backer V, Senftleber N, Christensen MMB, Larsen TJ, Byberg S, Hansen T, Jørgensen ME. The Greenland population health survey 2018 - methods of a prospective study of risk factors for lifestyle related diseases and social determinants of health amongst Inuit. *Int J Circumpolar Health*. 2022 Dec;81(1):2090067. doi: 10.1080/22423982.2022.2090067.
3. Pedersen H, Beaulieu K, Finlayson G, Færch K, Jørgensen ME, Lewis JI, Lind MV, Lauritzen L, Quist JS. Food Reward after a Traditional Inuit or a Westernised Diet in an Inuit Population in Greenland. *Nutrients*. 2022 Jan 27;14(3):561. doi: 10.3390/nu14030561.
4. Andersen MK, Skotte L, Jørsboe E, Polito R, Stæger FF, Aldiss P, Hanghøj K, Waples RK, Santander CG, Grarup N, Dahl-Petersen IK, Diaz LJ, Overvad M, Senftleber NK, Sjøborg B, Larsen CVL, Lemoine C, Pedersen O, Feenstra B, Bjerregaard P, Melbye M, Jørgensen ME, Færgeman NJ, Koch A, Moritz T, Gillum MP, Moltke I, Hansen T, Albrechtsen A. Loss of sucrase-isomaltase function increases acetate levels and improves metabolic health in Greenlandic cohorts. *Gastroenterology*. 2021 Dec 13:S0016-5085(21)04065-8. doi: 10.1053/j.gastro.2021.12.236.
5. Christensen MMB, Hansen CS, Fleischer J, Vistisen D, Byberg S, Larsen T, Laursen JC, Jørgensen ME. Normative data on cardiovascular autonomic function in Greenlandic Inuit. *BMJ Open Diabetes Res Care*. 2021 Sep;9(1):e002121. doi: 10.1136/bmjdr-2021-002121. *BMJ Open Diabetes Res Care*. 2021. PMID: 34598933 (c)
6. Larsen TLJ, Jørgensen ME, Pedersen ML, Lund-Andersen H, Valerius M, Juul E, Byberg S. Low prevalence of retinopathy among Greenland Inuit. *Int J Circumpolar Health*. 2021;80(1):1938420..PMID: 34134608
7. Senftleber NK, Overvad M, Dahl-Petersen IK, Bjerregaard P, Jørgensen ME. Diet and physical activity in Greenland: genetic interactions and associations with obesity and diabetes. *Appl Physiol Nutr Metab*. 2021 Aug;46(8):849-855. doi: 10.1139/apnm-2021-0020. Epub 2021 Jun 9. PMID: 34107227
8. Vistisen D, Andersen GS, Hulman A, McGurnaghan SJ, Colhoun HM, Henriksen JE, Thomsen RW, Persson F, Rossing P, Jørgensen ME. A Validated Prediction Model for End-Stage Kidney Disease in Type 1 Diabetes. *Diabetes Care* 2021;44:901-907. *Diabetes Care*. 2021 May 20;44(6):e140-1. doi: 10.2337/dci21-0010. PMID: 34016609
9. Schnurr TM, Jørsboe E, Chadt A, Dahl-Petersen IK, Kristensen JM, Wojtaszewski JFP, Springer C, Bjerregaard P, Brage S, Pedersen O, Moltke I, Grarup N, Al-Hasani H, Albrechtsen A, Jørgensen ME, Hansen T. Physical activity attenuates postprandial hyperglycaemia in homozygous TBC1D4 loss-of-function mutation carriers. *Diabetologia*. 2021 Apr 29. doi: 10.1007/s00125-021-05461-z. (c)
10. Waples RK, Hauptmann AL, Seiding I, Jørsboe E, Jørgensen ME, Grarup N, Andersen MK, Larsen CVL, Bjerregaard P, Hellenthal G, Hansen T, Albrechtsen A, Moltke I. The genetic history of Greenlandic-European contact. *Curr Biol*. 2021 Mar 9:S0960-9822(21)00285-2. doi: 10.1016/j.cub.2021.02.041.