

Curriculum vitae for Kaare Christensen

Date of birth

1959, in Denmark

Education

MD, Odense University, Denmark, 1987

PhD, Faculty of Health Sciences, Odense University, Denmark, 1995

DMSc, University of Southern Denmark, 1999

Employment

Professor of Epidemiology, University of Southern Denmark, 2002-

Senior Research Scientist (part time), Sanford Institute, Duke University, USA, 1999-2019

Consultant (part time), Department of Clinical Genetics and Department of

Clinical Biochemistry and Pharmacology, Odense University Hospital, Denmark, 2010-

Professional affiliations

Head of Research, the Unit of Epidemiology, Biostatistics and Biodemography, affiliations University of Southern Denmark, 2013-

Director of the Danish Aging Research Center, 2008-

Director of the Danish Twin Registry, 2007-

Head of Research, Epidemiology Section, University of Southern Denmark, 1998-2013

Member of Det Frie Forskningsråd|Sundhed og Sygdom [The Danish Council for Independent Research|Medical Sciences], 2013-2019

Member of the Joint Committee of the Nordic Medical Research Councils, 2015-2019

Chair of the Advisory Committee of the Danish National Institute of Public Health, 2017-

Chairman of the University Council, University of Southern Denmark, 2018-2020

Member of the Royal Danish Academy of Sciences and Letters, 2018-

Member of the Novo Nordisk Foundation Committee for Clinical and Translation Medical Science (KTL), 2019-

Member of the Scientific Monitoring Board of the Survey of Health, Ageing and Retirement in Europe (SHARE) 2020-

Honors and awards

Desiréé and Niels Yde's Award for Research, 1998

William Nielsen's Award for Research, 1999

Research award: Independent Order of Odd Fellows, 2004.

Univ. of Southern Denmark, first award for outreach and communicating research, 2005

Codan Merit Award, 2006

On behalf of the Danish Twin Registry recipient of the ethical merit award for outstanding ethical conduct of health research, 2006

The Erhoff Award for internationally acknowledged medical research, 2008

The Ida Cordelia Beam Distinguished Visiting Professorship, University of Iowa, 2010

The James Shields Memorial Award for Twin Research in Behavioural Genetics, 2010

Ridder af Dannebrogordenen [awarded the Order of Dannebrog by Her Majesty Queen Margrethe II of Denmark], 2011

Honorary award granted by "Overlæge Th.E. Hess Thaysen og hustru's Fond" (Danish Foundation) for cutting-edge, clinical research into genetic predisposition to disease, 2015

Sohlberg Nordic Prize in gerontology, 2016

Fondation IPSEN Longevity prize, 2016

Recognized as an

Expertscape World Expert in Longevity (placed in the top 0.1% of scholars writing about Longevity over the past 10 years by Expertscape); <https://www.expertscape.com/ex/longevity>, 2020

Invited lectures

Over 400 invited lectures in Europe, Asia and the USA

Supervisor

Of 42 PhD theses (principal supervisor of 19) and assessor of 13 doctoral theses and 34 PhD theses

Advisory roles

Served on a number of panels and study sections for the US National Academies, the US National Institutes of Health and European National Agencies; Editorial Board Member: Aging Cell and Twin Research & Human Genetics; Review Editorial Board Member: Frontiers in Genetics of Aging.

Reviewer of grant applications

For Norwegian, Swedish, Finnish, UK and US agencies

Peer reviewer

For 77 journals including Science, Nature, Nature Reviews Genetics, PNAS, Lancet, BMJ, and New England Journal of Medicine

Publications

655 scientific peer-reviewed publications 1996-2020 (of these 37 are first authorships and 188 are last authorships), 16 scientific peer-reviewed book chapters, 10 textbook chapters,

three popular books.

A total of 38 international, peer-reviewed publications in 2020

Number of articles in general and high-ranking journals 1996-2020

A total of 40 articles 1996-2020 of which 21 are first or last authorships: New England Journal of Medicine (3), Lancet (8), BMJ (10), Nature (1), Nature Genetics (4), Nature Reviews Genetics (1), JAMA (5), PNAS (3), Nature Communications (3), and Science (2).

Citations

Web of Science: H-index: 82; total citations (without self-citations): 27,807

Google Scholar: H-index: 111; total citations: 53,336

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Publons-ID: C-2360-2009

Selected references

Tan Q, Jacobsen R, Nygaard M, Soerensen M, Mengel-From J, Christiansen L, Christensen K. Cohort difference in the risk of selected candidate genes on all-cause mortality at advanced ages. *American Journal of Epidemiology* 2020;189(7):708-716.

Thinggaard M, Jeune B, Osler M, Vaupel JW, McGue M, Christensen K. Are advances in survival among the oldest old seen across the spectrum of health and functioning? *Journals of the Gerontology, Series A, Biological Sciences and Medical Sciences* 2020;75(12):2354-2360.

Pedersen DA, Larsen LA, Nygaard M, Mengel-From J, McGue M, Dalgård C, Hvidberg L, Hjelmborg J, Skytthe A, Holm NV, Kyvik KO, Christensen K. The Danish Twin Registry: An updated overview. *Twin Research and Human Genetics* 2019;22(6):499-507.

Dokkedal U, Wod M, Thinggaard M, Hansen TG, Rasmussen LS, Mengel-From J, Christensen K. No impact of surgery on cognitive function: a longitudinal study of middle-aged Danish twins. *Annals of Epidemiology* 2018; 28(2):95-101.

Osler M, Christensen GT, Garde E, Mortensen EL, Christensen K. Cognitive ability in young adulthood and risk of dementia in a cohort of Danish men, brothers, and twins. *Alzheimer's & Dementia* 2017; 13(12):1355-1363.

Zeng Y, Feng Q, Hesketh T, Christensen K, Vaupel JW. Survival, disabilities in activities of daily living, and physical and cognitive functioning among the oldest-old in China: a cohort study. *Lancet* 2017;389(10079):1619-1629.

Pedersen JK, Elo IT, Schupf N, Perls TT, Stallard E, Yashin AI, Christensen K. The survival of spouses marrying into longevity-enriched families. *Journals of Gerontology, Series A, Biological Sciences and Medical Sciences* 2017;72(1):109-114.

Christiansen L, Lenart A, Tan Q, Vaupel JW, Aviv A, McGue M, Christensen K. DNA methylation age is associated with mortality in a longitudinal Danish twin study. *Aging Cell* 2016; 15(1):149-54.

Mucci et al. Familial risk and heritability of cancer among twins in Nordic Countries. *JAMA* 2016;315(1):68-76.

Christensen K, Thinggaard M, Oksuzyan A, Steenstrup T, Andersen-Ranberg K, Jeune B, McGue M, Vaupel JW. Physical and cognitive functioning of people older than 90 years: a comparison of two Danish cohorts born 10 years apart. *Lancet* 2013;382(9903):1507-13.

Herskind AM, Almind Pedersen D, Christensen K. Increased prevalence of congenital heart defects in monozygotic and dizygotic twins. *Circulation* 2013; 128(11):1182-8.

Christensen K, Thinggaard M, McGue M, Rexbye H, Hjelmborg J, Aviv A, Gunn D, V d Ouderaa F, Vaupel JW. Perceived age as clinically useful biomarker of ageing: cohort study. *BMJ* 2009; (339): b5262.

Christensen K, Doblhammer G, Rau R, Vaupel JW. Ageing populations: the challenges ahead. *Lancet* 2009;374:1196-1208.

Christensen K, McGue M, Petersen I, Jeune B, Vaupel JW. Exceptional longevity does not result in excessive levels of disability. *Proceedings of the National Academy of Sciences* 2008; 105(36):13274-9.

Christensen K, Murray JC. What genome-wide association studies can do for medicine. *New England Journal of Medicine* 2007;356(11):1094-1097.

Christensen K, Johnson TE, Vaupel JW. The quest for genetic determinants of human longevity: challenges and insights. *Nature Reviews Genetics* 2006;7:436-448.

Vaupel JW, Carey R, Christensen K. It's never too late. *Science* 2003;301:1679-1681.

Basso O, Olsen J, Christensen K. Recurrence risk of congenital anomalies--the impact of paternal, social, and environmental factors: a population-based study in Denmark. *American Journal of Epidemiology* 1999;150(6):598-604.

Christensen K, Schmidt MM, Vaeth M, Olsen J. Absence of an environmental effect on the recurrence of facial-cleft defects. *New England Journal of Medicine* 1995;333(3):161-164

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