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Section of Epidemiology
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Short presentation

Emilie Rune Hegelund is involved in the research project "Harnessing the Power of Big Data to Address the Societal Challenge of Ageing", which aims to contribute to a more comprehensive understanding of the ageing process at a population, organismal, and molecular level. In the project, she investigates which factors that influence the risk of dementia among older adults in Denmark.

Qualifications

Psychology, PhD, University of Copenhagen
1 May 2017 → 30 Apr 2020

Public Health, MSc
1 Sep 2014 → 30 Aug 2016
Award Date: 30 Aug 2016

Public Health, BSc
29 Aug 2011 → 20 Jun 2014
Award Date: 20 Jun 2014

Employment

Guest researcher
Section of Epidemiology
København K
31 Dec 2022 → nu

PhD fellow
Department of Psychology
København K
1 May 2017 → 4 Jun 2020

Research Assistant
Section of Environmental Health
København K
1 Sep 2016 → 30 Apr 2017

Research outputs

Air pollution and human health: a phenome-wide association study
Hegelund, Emilie Rune, Mehta, A. J., Andersen, Zorana Jovanovic, Lim, Youn-Hee, Loft, Steffen, Brunekreef, B., Hoek, G., de Hoogh, K. & Mortensen, Laust Hvas, 2024, In: *BMJ Open*. 14, 2, 11 p., e081351.

Association of Tumor Necrosis Factor- α Inhibitors with Incident Dementia: Analysis Based on Population-Based Cohort Studies
Berger, S., Moseholm, Kristine Frøsig, Hegelund, Emilie Rune, Tesch, F., Nguyen, M. C. S., Mortensen, Laust Hvas, Jensen, Majken Karoline, Schmitt, J. & Mukamal, K. J., 2024, (Accepted/In press) In: *Drugs and Aging*.

Lifetime exposure to air pollution and academic achievement: A nationwide cohort study in Denmark
Lim, Youn-Hee, Bilsteen, Josephine Funck, Mortensen, Laust Hvas, Lanzky, L. R. M., Zhang, Jiawei, Tuffier, Stéphane, Brandt, J., Ketznel, M., Flensburg-Madsen, Trine, Wimmelmann, Cathrine Lawaetz, Okholm, Gunhild Tidemann, Hegelund, Emilie Rune, Napolitano, George, Andersen, Zorana Jovanovic & Loft, Steffen, 2024, In: *Environment International*. 185,

8 p., 108500.

Effect of maternal fish oil supplementation during lactation on socioemotional wellbeing and physical activity in 13-year-old children: A randomized clinical trial

Lauritzen, Lotte, Hegelund, Emilie Rune, Eriksen, S. E., Niclasen, J. & Michaelsen, Kim F., 2023, In: Prostaglandins Leukotrienes and Essential Fatty Acids. 197, 7 p., 102588.

Experience of sexual violence and satisfaction with life: a 20-year prospective cohort study

Strizzi, Jenna Marie, Mortensen, Erik Lykke, Hegelund, Emilie Rune, Wimmelmann, Cathrine Lawaetz, Folker, A. P. & Flensburg-Madsen, Trine, 2022, In: Journal of Sexual Aggression. 28, 3, p. 316-330 15 p.

The Influence of Intelligence in Young Adulthood on Quality of Life in Midlife: a Danish Cohort Study of 893 Men

Hegelund, Emilie Rune, Grønkjær, M. S., Andersen, N. K., Wimmelmann, Cathrine Lawaetz, Mortensen, Erik Lykke & Flensburg-Madsen, Trine, 2022, In: Applied Research in Quality of Life. 17, p. 1189-1202 14 p.

The plasticity of late-onset dementia: A nationwide cohort study in Denmark

Hegelund, Emilie Rune, Mehta, A. J., Mortensen, Laust Hvas & Westendorp, Rudi GJ, 2022, In: Alzheimer's & Dementia. 18, 7, p. 1287-1295 9 p.

Does meaning protect against loneliness? Exploring empirical studies and theory

Folker, A. P., Lauridsen, S., Hegelund, Emilie Rune, Wimmelmann, Cathrine Lawaetz & Flensburg-Madsen, Trine, 2021, In: Health Promotion International. 36, 2, p. 471-480 10 p.

Prevalence and incidence rates of atrial fibrillation in Denmark 2004-2018

Hegelund, Emilie Rune, Kjerpeseth, L., Mortensen, Laust Hvas, Igland, J., Berge, T., Anjum, M., Tell, G. S. & Ariansen, I., 2021, In: European Heart Journal. 42, Supplement 1, ehab724.0453.

Prevalence and incidence rates of atrial fibrillation in Denmark 2004-2018: Methodological considerations

Hegelund, Emilie Rune, Kjerpeseth, L., Mortensen, Laust Hvas, Igland, J., Berge, T., Anjum, M., Tell, G. S. & Ariansen, I., 2021, In: Norsk Epidemiologi. 29, Supplement 2, p. 39 1 p., D8.

Satisfaction with life and SF-36 vitality predict risk of ischemic heart disease: a prospective cohort study

Wimmelmann, Cathrine Lawaetz, Andersen, N. K., Grønkjaer, M. S., Hegelund, Emilie Rune & Flensburg-Madsen, Trine, 2021, In: Scandinavian Cardiovascular Journal. 55, 3, p. 138-144 7 p.

The Moderating Influence of School Achievement on Intelligence in Young Adulthood

Hegelund, Emilie Rune, Mortensen, Erik Lykke, Flensburg-Madsen, Trine, Dammeyer, Jesper, Christensen, K. & Johnson, W., 2021, In: Behavior Genetics. 51, p. 45-57 13 p.

The secular trend of intelligence test scores: The Danish experience for young men born between 1940 and 2000

Hegelund, Emilie Rune, Teasdale, T. W., Okholm, Gunhild Tidemann, Osler, Merete, Sørensen, Thorkild I.A., Christensen, K. & Mortensen, Erik Lykke, 2021, In: PLOS ONE. 16, 12, 12 p., e0261117.

The secular trend of intelligence test scores in the present century: The Danish experience

Hegelund, Emilie Rune, Okholm, Gunhild Tidemann & Teasdale, T. W., 2021, In: Intelligence. 85, 101525.

Associations of personality traits with quality of life and satisfaction with life in a longitudinal study with up to 29 year follow-up

Wimmelmann, Cathrine Lawaetz, Mortensen, Erik Lykke, Hegelund, Emilie Rune, Folker, A. P., Strizzi, Jenna Marie, Dammeyer, Jesper & Flensburg-Madsen, Trine, 2020, In: Personality and Individual Differences. 156, 109725.

Birth weight and quality of life in midlife: A 50-year follow-up study of 2079 individuals in Denmark

Hegelund, Emilie Rune, Wimmelmann, Cathrine Lawaetz, Strizzi, Jenna Marie, Folker, A. P., Mortensen, Erik Lykke & Flensburg-Madsen, Trine, 2020, In: Quality of Life Research. 29, p. 1047-1054 8 p.

Infant Socioeconomic Position and Quality of Life in Midlife: A 50-Year Follow-Up Study of 2079 Individuals in Denmark
Hegelund, Emilie Rune, Folker, A. P., Wimmelmann, Cathrine Lawaetz, Just-Østergaard, E., Mortensen, Erik Lykke & Flensburg-Madsen, Trine, 2020, In: Applied Research in Quality of Life. 15, p. 937–951 15 p.

The Modifying Influence of Family Social Background on the Association between IQ and Unsuccessful Educational and Occupational Achievement: A Register-Based Study of 277,938 Men in Denmark 1981-2016

Hegelund, Emilie Rune, Flensburg-Madsen, Trine, Dammeyer, Jesper & Mortensen, Erik Lykke, 2020, In: Journal of Individual Differences. 41, 3, p. 133-143 11 p.

The influence of educational attainment on intelligence

Hegelund, Emilie Rune, Grønkjær, M. S., Osler, Merete, Dammeyer, Jesper, Flensburg-Madsen, Trine & Mortensen, Erik Lykke, 2020, In: Intelligence. 78, 101419.

Birth weight and quality of life in midlife: A 50-year follow-up study of 2079 individuals in Denmark

Hegelund, Emilie Rune, Wimmelmann, Cathrine Lawaetz, Strizzi, Jenna Marie, Folker, A. P., Mortensen, Erik Lykke & Flensburg-Madsen, Trine, 2019, In: Quality of Life Research. 28, Supplement 1, p. S61-S62 2 p., B202.7.

Educational Attainment and Pregnancy Outcomes: A Danish Register-Based Study of the Influence of Childhood Social Disadvantage on Later Socioeconomic Disparities in Induced Abortion, Spontaneous Abortion, Stillbirth and Preterm Delivery

Hegelund, Emilie Rune, Poulsen, G. J. & Mortensen, Laust Hvas, 2019, In: Maternal and Child Health Journal. 23, 6, p. 836-846 11 p.

Parental socioeconomic position and risk of ADHD in offspring: a cohort study of 9648 individuals in Denmark 1976–2013

Hegelund, Emilie Rune, Flensburg-Madsen, Trine, Vassard, Ditte, Niclasen, J. & Mortensen, Erik Lykke, 2019, In: European Child & Adolescent Psychiatry. 28, 5, p. 685-693 9 p.

The association between life satisfaction, vitality, self-rated health, and risk of cancer

Folker, A. P., Hegelund, Emilie Rune, Mortensen, Erik Lykke, Wimmelmann, Cathrine Lawaetz & Flensburg-Madsen, Trine, 2019, In: Quality of Life Research. 28, 4, p. 947-954 8 p.

The influence of familial factors on the association between IQ and educational and occupational achievement: A sibling approach

Hegelund, Emilie Rune, Flensburg-Madsen, Trine, Dammeyer, Jesper, Mortensen, Laust Hvas & Mortensen, Erik Lykke, 2019, In: Personality and Individual Differences. 149, p. 100-107 8 p.

Parental socioeconomic position and risk of autism spectrum disorders in offspring: A cohort study of 9,648 individuals in Denmark 1976-2013

Hegelund, Emilie Rune, Flensburg-Madsen, Trine, Vassard, Ditte, Rosenblum, L. A., Reinisch, J. M. & Mortensen, Erik Lykke, Dec 2018, In: Research in Autism Spectrum Disorders. 56, p. 1-8 8 p.

Low IQ as a predictor of unsuccessful educational and occupational achievement: A register-based study of 1,098,742 men in Denmark 1968-2016

Hegelund, Emilie Rune, Flensburg-Madsen, Trine, Dammeyer, Jesper & Mortensen, Erik Lykke, 1 Nov 2018, In: Intelligence. 71, p. 46-53 8 p.

Interpregnancy Interval and Risk of Adverse Pregnancy Outcomes: A Register-Based Study of 328,577 Pregnancies in Denmark 1994–2010

Hegelund, Emilie Rune, Urhoj, Stine Kjaer, Nybo Andersen, Anne-Marie & Mortensen, Laust Hvas, 2018, In: Maternal and Child Health Journal. 22, 7, p. 1008-1015 8 p.

Prospective Associations of the Short Form Health Survey Vitality Scale and Changes in Body Mass Index and Obesity Status

Wimmelmann, Cathrine Lawaetz, Hegelund, Emilie Rune, Folker, A. P., Just-Østergaard, E., Osler, Merete, Mortensen, Erik Lykke & Flensburg-Madsen, Trine, 2018, In: Journal of Obesity. 2018, 3671953, 10 p., 3671953.

