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## Education

2005 Master of Science (MSs) in Mathematics and Computer Science from University of Southern Denmark.  
2009 PhD in Biostatistics from University of Southern Denmark.

## Employment at University of Southern Denmark

PhD Student  
Department of Biostatistics, University of Southern Denmark  
1. May 2005 → 30. Apr 2009

Research Assistant  
Department of Biostatistics, University of Southern Denmark  
1. May 2009 → 31. Oct 2009

Assistant Professor  
Clinical Epidemiology, University of Southern Denmark  
1. Jun 2014 → 31. Jul 2019

Associate Professor  
Clinical Epidemiology, University of Southern Denmark  
1. Jun 2019 → 31. Jul 2025

## Employment outside University of Southern Denmark

Biostatistician  
Center for Clinical Epidemiology, Odense University Hospital  
1. nov. 2009 → 30. mar. 2017

Biostatistician  
The Danish Clinical Registries (RKKP)  
1. apr. 2017 → 30. sep. 2017

Biostatistician  
Center for Clinical Epidemiology, Odense University Hospital  
1. okt 2017 →

## PhD Supervision

Ongoing:

Line Holdgaard Thomsen, ROCE: Risk factors of epithelial ovarian cancer among women with endometriosis: An epidemiologic study based on Danish registries and an endometriosis specific questionnaire

Completed:

Heidi Kammerlander, Biologic therapy during pregnancy in inflammatory bowel disease – clinical epidemiologic aspects focusing on use, treatment regimes, disease activity and safety during pregnancy.

Line Riis Jølving, Morbidity in children born to women with chronic disease.

## Research outputs

**Editorial: anti-TNF therapy-a double-edged sword? Authors' reply**

Korzenik, J., Larsen, M. D., Nielsen, J., Kjeldsen, J. & Nørgård, B. M., 1. Oct 2019, In : Alimentary Pharmacology and Therapeutics. 50, 7, p. 823-824

**Comparison of Time to Pregnancy in Women With and Without Inflammatory Bowel Diseases**

Friedman, S., Nielsen, J., Nøhr, E. A., Jølving, L. R. & Nørgård, B. M., 22. Aug 2019, In : Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association.

**Increased risk of developing Crohn's disease or ulcerative colitis in 17 018 patients while under treatment with anti-TNF $\alpha$  agents, particularly etanercept, for autoimmune diseases other than inflammatory bowel disease**

Korzenik, J., Larsen, M. D., Nielsen, J., Kjeldsen, J. & Nørgård, B. M., Aug 2019, In : Alimentary Pharmacology and Therapeutics. 50, 3, p. 289-294

**Children Born by Women With Rheumatoid Arthritis and Increased Susceptibility for Chronic Diseases: a nationwide cohort study**

Jølvig, L. R., Nielsen, J., Kesmodel, U. S., Beck-Nielsen, S. & Nørgård, B. M., Aug 2018, In : Arthritis Care & Research. 70, 8, p. 1192-1197

**Fecal Calprotectin during Pregnancy in Women with Moderate-Severe Inflammatory Bowel Disease**

Kammerlander, H., Nielsen, J., Kjeldsen, J., Knudsen, T., Gradel, K. O., Friedman, S. & Nørgård, B. M., 19. Mar 2018, In : Inflammatory Bowel Diseases. 24, 4, p. 839-848

**Risk factors and between-hospital variation of caesarean section in Denmark: a cohort study**

Wehberg, S., Guldberg, R., Gradel, K. O., Kesmodel, U. S., Munk, L., Andersson, C. B., Jølvig, L. R., Nielsen, J. & Nørgård, B. M., 1. Feb 2018, In : BMJ Open. 8, 2, 9 p., e019120.

**Chronic diseases in the children of women with maternal thyroid dysfunction: a nationwide cohort study**

Jølvig, L. R., Nielsen, J., Kesmodel, U. S., Nielsen, R. G., Nørgård, B. M. & Beck-Nielsen, S. S., 1. Jan 2018, In : Clinical Epidemiology. 10, p. 1381-1390

**Vitamin D supplementation, cord 25-hydroxyvitamin D and birth weight: Findings from the Odense Child Cohort**

Lykkedegn, S., Beck-Nielsen, S. S., Sorensen, G. L., Andersen, L. B., Fruekilde, P. B. N., Nielsen, J., Kyhl, H. B., Joergensen, J. S., Husby, S. & Christesen, H. B. T., Dec 2017, In : Clinical Nutrition. 36, 6, p. 1621-1627

**Patients with inflammatory bowel disease have increased risk of autoimmune and inflammatory diseases**

Halling, M. L., Kjeldsen, J., Knudsen, T., Nielsen, J. & Hansen, L. K., 7. Sep 2017, In : World Journal of Gastroenterology. 23, 33, p. 6137-6146

**Anti-TNF-alpha Therapy in Late Pregnancy and the Risk of Adverse Birth Outcomes in Women with Inflammatory Bowel Disease**

Kammerlander, H., Nielsen, J., Kjeldsen, J., Knudsen, T., Friedman, S. & Norgard, B., 2017, In : Inflammatory Bowel Diseases.

**Anti-TNF- $\alpha$  Use During the Third Trimester of Pregnancy in Women with Moderate-severe Inflammatory Bowel Disease and the Risk of Preterm Birth and Low Birth Weight**

Kammerlander, H., Nielsen, J., Knudsen, T., Kjeldsen, J., Friedman, S. & Norgard, B. M., 2017, In : Inflammatory Bowel Diseases. 23, 11, p. 1916-1923

**Maternal use of selective serotonin reuptake inhibitors during pregnancy is associated with Hirschsprung's disease in newborns - a nationwide cohort study**

Nielsen, S. W., Møller Ljungdalh, P., Nielsen, J., Nørgård, B. M. & Qvist, N., 2017, In : Orphanet Journal of Rare Diseases. 12, 116.

**S-25-hydroxyvitamin D and C3-epimers in pregnancy and infancy: An Odense child cohort study**

Dreier Mydtskov, N., Lykkedegn, S., Fruekilde, P. B. N., Nielsen, J., Barington, T. & Christesen, H. T., 2017, In : Clinical Biochemistry. 50, 18, p. 988-996

**The Association Between Maternal Chronic Inflammatory Bowel Disease and Long-term Health Outcomes in Children - A Nationwide Cohort Study**

Jølvig, L. R., Nielsen, J., Beck-Nielsen, S. S., Nielsen, R. G., Friedman, S., Kesmodel, U. S. & Nørgård, B. M., 2017, In : Inflammatory Bowel Diseases. 23, 8, p. 1440-1446

**The Effect of Disease Activity on Birth Outcomes in a Nationwide Cohort of Women with Moderate to Severe Inflammatory Bowel Disease**

Kammerlander, H., Nielsen, J., Kjeldsen, J., Knudsen, T., Friedman, S. & Nørgård, B., 2017, In : Inflammatory Bowel Diseases. 23, 6, p. 1011-1018

**The incidence of Crohn's disease and ulcerative colitis since 1995 in Danish children and adolescents**

Larsen, M. D., Eggebrecht Baldal, M., Nielsen, R. G., Nielsen, J., Lund, K. & Nørgård, B. M., Sep 2016, In : Scandinavian Journal of Gastroenterology. 51, 9, p. 1100-5

**Use of Anti-TNF $\alpha$  Agents and Time to First-time Surgery in Paediatric Patients with Ulcerative Colitis and Crohn's Disease**

Larsen, M. D., Qvist, N., Nielsen, J., Kjeldsen, J., Nielsen, R. G. & Nørgård, B. M., 22. Jan 2016, In : Journal of Crohn's and Colitis. 10, 6, p. 650-656

**Early pregnancy angiogenic markers and spontaneous abortion: an Odense Child Cohort study**

Andersen, L. B., Dechend, R., Karumanchi, S. A., Nielsen, J., Joergensen, J. S., Jensen, T. K. & Christesen, H. B. T., 2016, In : American Journal of Obstetrics & Gynecology. 215, 5, p. 594.e1-594.e11

**Prediction of preeclampsia with angiogenic biomarkers: Results from the prospective Odense Child Cohort**

Andersen, L. B., Dechend, R., Jørgensen, J. S., Møller Luef, B., Nielsen, J., Barington, T. & Christesen, H. B. T., 2016, In : Hypertension in Pregnancy. 35, 3, p. 405-419

**Prevalence of maternal chronic diseases during pregnancy: a nationwide population based study from 1989 to 2013**

Jølving, L. R., Nielsen, J., Kesmodel, U. S., Nielsen, R. G., Beck-Nielsen, S. S. & Nørgård, B. M., 2016, In : Acta Obstetrica et Gynecologica Scandinavica. 95, 11, p. 1295-1304

**The Danish Neuro-Oncology Registry: establishment, completeness and validity**

Hansen, S., Nielsen, J., Laursen, R. J., Rasmussen, B. K., Nørgård, B. M., Gradel, K. O. & Sørensen, R. G., 2016, In : BMC Research Notes. 9, 7 p., 425.

**The impact of disease activity on adverse birth outcomes in a nationwide cohort of woman treated with biologics for chronic inflammatory bowel disease during pregnancy**

Kammerlander, H., Nielsen, J., Kjeldsen, J., Knudsen, T., Friedman, S. & Nørgård, B. M., 2016, In : Journal of Crohn's and Colitis Supplements. 10, Suppl. 1

**Postoperative Use of Anti-TNF- $\alpha$  Agents in Patients with Crohn's Disease and Risk of Reoperation-A Nationwide Cohort Study**

Kjeldsen, J., Nielsen, J., Larsen, M. D., Qvist, N. & Nørgård, B. M., 8. Dec 2015, In : Inflammatory Bowel Diseases. 22, 3, p. 599-606

**Vitamin D insufficiency is associated with increased risk of first-trimester miscarriage in the Odense Child Cohort**

Andersen, L. B., Jørgensen, J. S., Jensen, T. K., Dalgård, C., Barington, T., Nielsen, J., Beck-Nielsen, S. S., Husby, S., Abrahamsen, B., Lamont, R. F. & Christesen, H. T., Sep 2015, In : The American Journal of Clinical Nutrition. 102, 3, p. 633-638 6 p.

**Can family history and cord blood IgE predict sensitization and allergic diseases up to adulthood?**

Borrits Pagh Nissen, S., Fomsgaard Kjær, H., Høst, A., Nielsen, J. & Halcken, S., 2015, In : Pediatric Allergy and Immunology. 26, 1, p. 42-48

**Diagnosis of preeclampsia with soluble Fms-like tyrosine kinase 1/placental growth factor ratio: an inter-assay comparison**

Andersen, L. B., Frederiksen-Møller, B., Work Havelund, K., Dechend, R., Jørgensen, J. S., Jensen, B. L., Nielsen, J., Lykkedegn, S., Barington, T. & Christesen, H. T., 2015, In : American Society of Hypertension. Journal. 9, 2, p. 86-96

**Post-operative use of anti-TNF alpha agents in patients with Crohn's disease and risk of re-operation: a nationwide cohort study**

Kjeldsen, J., Nielsen, J., Larsen, M. D., Qvist, N. & Nørgård, B. M., 2015, In : Journal of Crohn's and Colitis. 9, S1, p. S16 1 p., OP026.

**Use of anti-TNF-alpha agents in relation to first-time surgery for ulcerative colitis and Crohn's disease during childhood**  
Larsen, M. D., Kjeldsen, J., Qvist, N., Nørgård, B. M. & Nielsen, J., 2015, In : Journal of Crohn's and Colitis. 9, S1, p. S8-S9 OP014.

**The incidence of ulcerative colitis (1995-2011) and Crohn's disease (1995-2012) - Based on nationwide Danish registry data**

Nørgård, B. M., Nielsen, J., Fonager, K., Kjeldsen, J., Jacobsen, B. A. & Qvist, N., 1. Oct 2014, In : Journal of Crohn's and Colitis. 8, 10, p. 1274-80

**Heritability of clubfoot: a twin study**

Engell, V., Nielsen, J., Damborg, F., Kyvik, K. O., Thomsen, K., Pedersen, N. W., Andersen, M. & Overgaard, S., Feb 2014, In : Journal of Children's Orthopaedics. 8, 1, p. 37-41

**Pre-operative use of anti-TNF-alpha agents and the risk of post-operative complications in patients with Crohn's disease--a nationwide cohort study**

Nørgård, B. M., Nielsen, J., Qvist, N., Gradel, K. O., Schaffalitzky de Muckadell, O. B. & Kjeldsen, J., 2013, In : Alimentary Pharmacology and Therapeutics. 37, 2, p. 214-224 11 p.

**The natural course of sensitization and allergic diseases from childhood to adulthood**

Nissen, S. P., Kjaer, H. F., Høst, A., Nielsen, J. & Halken, S., 2013, In : Pediatric Allergy and Immunology. 24, 6, p. 549-55

**Dansk Neuro Onkologisk Register**

Hansen, S., Green, A., Nielsen, J., Haugaard, M., Laursen, R. J., Schultz, H. P., Rasmussen, B. K., Broholm, H., Andersen, P., Kosteljanetz, M. & styregruppen for DNOR, 2012, In : Ugeskrift for Laeger. 174, 42, p. 2558 1 p.

**Pain in the three spinal regions: the same disorder? Data from a population-based sample of 34,902 Danish adults**

Leboeuf-Yde, C., Fejer, R., Nielsen, J., Kyvik, K. O. & Hartvigsen, J., 2012, In : Chiropractic & Manual Therapies. 20, p. 11

**Pre-operative use of anti-TNF- $\alpha$  agents and the risk of post-operative complications in patients with ulcerative colitis - a nationwide cohort study**

Nørgård, B. M., Nielsen, J., Qvist, N., Gradel, K. O., Schaffalitzky de Muckadell, O. B. & Kjeldsen, J., 2012, In : Alimentary Pharmacology and Therapeutics. 35, 11, p. 1301-9 9 p.

**Consequences of spinal pain: do age and gender matter? A Danish cross-sectional population-based study of 34,902 individuals 20-71 years of age**

Leboeuf-Yde, C., Fejer, R., Nielsen, J., Kyvik, K. O. & Hartvigsen, J., 1. Jan 2011, In : B M C Musculoskeletal Disorders. 12, p. 39

**Genetic epidemiology of Scheuermann's disease**

Damborg, F., Engell, V., Nielsen, J., Kyvik, K. O., Andersen, M. Ø. & Thomsen, K., 2011, In : Acta Orthopaedica (Print Edition). 82, 5, p. 602-5 4 p.

**Analyzing multivariate survival data using composite likelihood and flexible parametric modeling of the hazard functions**

Nielsen, J. & Parner, E., 10. Sep 2010, In : Statistics in Medicine. 29, 20, p. 2126-36 11 p.

**Heritability of spinal pain and consequences of spinal pain: a comprehensive genetic epidemiologic analysis using a population-based sample of 15,328 twins ages 20-71 years**

Hartvigsen, J., Nielsen, J., Kyvik, K. O., Fejer, R., Vach, W., Iachine, I. & Leboeuf-Yde, C., 15. Oct 2009, In : Arthritis & Rheumatism. 61, 10, p. 1343-51 8 p.

**Pain in the lumbar, thoracic or cervical regions: do age and gender matter? A population-based study of 34,902 Danish twins 20-71 years of age**

Leboeuf-Yde, C., Nielsen, J., Kyvik, K. O., Fejer, R. & Hartvigsen, J., 1. Jan 2009, In : BMC Musculoskeletal Disorders. 10, p. 39

**Composite likelihood approaches to multivariate binary and time-to-event twin data**

Nielsen, J., 2009, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

**Fleksibel Modellering af Multivariate Overlevelses Data**

Nielsen, J. & Parner, E., 2009, *Symposium i Anvendt Statistik 2009*. Linde, P. (ed.). Danmarks Statistik, p. 1 2 p.