

CV Mette Wod

Personal Information:

Name: Mette Wod

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Mette Wod, Associate Professor, Clinical Epidemiologist, MSc, PhD

Clinical Development, Center for Clinical Epidemiology, Odense University Hospital

Clinical Institute, University of Southern Denmark

Language: Danish and English – written and spoken.

Education:

2010: Cand.Scient in Biomedicine, University of Southern Denmark. Defended May 10th 2010.

2015: PhD at Endocrine Elite Research Centre, Department of Endocrinology, Odense University Hospital, Department of Clinical Research, University of Southern Denmark – Faculty of Health Sciences. Defended September 24th 2015

2018: Lecturer Training Programme at University of Southern Denmark. March 15th 2018.

Postgraduate Employments:

01.05.20-present: Associate Professor at Department of Clinical Research, University of Southern Denmark.

01.10-19-present: Clinical Epidemiologist at Center for Clinical Epidemiology, Odense University Hospital

01.08.19-30.09.19: Assistant Professor at Epidemiology, Biostatistics and Biodemography - Department of Public Health, University of Southern Denmark

15.10.15-30.07.19: PostDoc at Epidemiology, Biostatistics and Biodemography - Department of Public Health, University of Southern Denmark

01.05.15-14.10.15: Research Assistant at Epidemiology, Biostatistics and Biodemography - Department of Public Health, University of Southern Denmark

01.12.14-31.04.15: Research Assistant at the Diabetes Research Centre, Department of Endocrinology, Odense University Hospital

01.01.11-30.11.14: PhD Student at the Endocrine Elite Research Centre, Department of Endocrinology, Odense University Hospital, Department of Clinical Research, University of Southern Denmark

01.06.10-31.12.10: Research Assistant at the Diabetes Research Centre, Department of Endocrinology, Odense University Hospital

Dissertation:

Titel of PhD: Patients with Latent Autoimmune Diabetes in Adults – Studies of Phenotypic Characteristics, Treatment and Outcome

International collaborations:

I am experienced with international research collaborations. I have published with research groups from USA (publication no. 4, 5, and 9), Germany (publication no. 7 and 9), Sweden (publication no. 5, 11 and 12), Finland (publication no. 11), and Spain (publication no. 10 and 15).

International Research Stays

2024: Tuft's Medical Center in Boston, USA. The purpose of the stay was to plan new projects and finish ongoing projects with current collaborators. Furthermore, collaborations with two new research groups were initiated (Tuft's Medical Center and Brigham and Women's Hospital).

Research Field:

My specialty is within clinical epidemiological methods. Clinical epidemiology has the wonderful advantage that its methods can be applied on to most research areas. My main focus is on chronic non-malignant pain, back pain, fertility treatment and inflammatory bowel disease. I work on project planning, funding, data collection from registries, analysis planning, statistical analyses using various registers. I am very experienced in research using Danish nationwide health registries, and clinical databases.

I have applied for funding with great success. Since 2020 I have been granted 3,599,131 DKK for research projects (travel grants not included). In my current position I have initiated a number of collaborations and during the years I have collaborated with a number of national and international research groups within different research disciplines.

The last few years I have worked on gaining funding for starting a pain group at Center for Clinical Epidemiology, Odense University Hospital and have achieved funding for 7 studies, which are not yet published.

Supervision:

2022/2023

2023 Main supervisor Master Thesis Public Health student

Co-supervisor medical student pre-graduate research year

2022 Main supervisor internship 1 student 8 weeks fulltime

2020-Co-supervisor PhD student

Project title: The arterial wall in patients with diabetes: Do changes in arterial basement membrane proteins predict future arterial disease? Are remodeling processes altered?

Examinations/censoring:

2024 Censor 1 Master's thesis – medical student

Chairman for assessment committee of PhD thesis

2023

Main supervisor and examination of Master Student in Public Health

2x Chairman for assessment committee of PhD thesis

Censor 3 Master's thesis – medical students

2022 Chairman for assessment committee of PhD thesis

Censor 2 Master's thesis – medical students

Assessment of 1 PhD protocol

2015-2019 Oral group examination of medical students - Start assignment module 1, University of Southern Denmark – 12 exams of 1 hour

2019 Correcting written exams for medical students in epidemiology and statistics, module 4, University of Southern Denmark – 1 module – 35 exams

Research Grants:

Year Applicant type Project name Fund Amount

2023 Primary applicant Patients with disorders in the back - studies on risk profiles and prognostic studies on the risk of becoming chronic user of analgesics Karen Elise Jensens Fond 2.491.912 DKK

2022 Primary applicant The Effect of Stress on Partners of Patients with Chronic Non-Malignant Pain -

A Danish nationwide cohort study on medication, psychiatric diagnoses and sick leave TrygFonden 723.219 DKK

2021 Primary applicant Unspecified colon inflammation diagnosed in childhood and the risk of long-term inflammatory and autoimmune diseases Odense University hospitals Research Board – OUHs Fri Pulje 60.000 DKK

2020 Primary applicant Use and cessation of opioids in patients with chronic pain Helsefonden 324.000 DKK

2019 Primary applicant Resting Heart Rate if not Associated with Mortality in the Oldest Old Department of Public Health – travel grant 7.000 DKK

2011 Primary applicant Studies of pheno- and genotypic characteristics and the effect of early insulin treatment in latent autoimmune diabetes in adults (LADA) Scandinavian Society for the Study of Diabetes travel grant 6000 SEK

2010 Primary applicant Studies of pheno- and genotypic characteristics and the effect of early insulin treatment in latent autoimmune diabetes in adults (LADA) Region of Southern Denmark PhD-grant 1 year PhD scholarship

2010 Primary applicant Studies of pheno- and genotypic characteristics and the effect of early insulin treatment in latent autoimmune diabetes in adults (LADA) Novo Nordic Foundation through the Danish PhD school of Molecular Metabolism 1 year PhD scholarship

Teaching Experience:

2015-2019 Group lessons in epidemiology, module 10 for medical student, University of Southern Denmark – 120 hours

2015-2019 Group lessons in epidemiology - Start assignment module 1 for medical students, University of Southern Denmark – 18 hours

2019 Group lessons in epidemiology and statistics, module 4 for medical student, University of Southern Denmark – 4 hours

2011-2015 Training in research methods of medical students during clinical stay at the Department of Endocrinology, Odense University Hospital – 30 hours

2016-2018 Revising teaching material in epidemiology, module 10 for medical student, University of Southern Denmark

Conference Contributions:

2022-IBD Nordic Conference 2023, Malmö, Sverige – Oral abstract: Changes in treatment within 1 yr of diagnosis for UC and CD

2019-The 2019 Nordic PharmacoEpidemiological Network, Århus, Denmark – participant.

-The 2019 Behavior Genetics Association meeting, Stockholm, Sweden – participant.

-International Association of Gerontology and Geriatrics European Region Congress, Gothenburg, Sweden – Poster - Resting Heart Rate if not Associated with Mortality in the Oldest Old

2017-Twins Congress 2017, Madrid, Spain – poster - Proton pump inhibitor use and risk of cognitive decline: a follow-up study of middle aged and elderly twins

2016-23rd Nordic Congress of Gerontology, Tampere, Finland – participant

-American Diabetes Association's 76th Scientific Sessions, New Orleans, Louisiana, poster (not presenting) - Metabolic risk profiles in diabetes stratified according to age at onset, islet autoimmunity and fasting C-peptid

2013-The International Student Research Forum (ISRF) – Brisbane, Australia, Oral Presentation - Phenotypic Characteristics of Latent Autoimmune Diabetes in Adults (LADA) in a Danish Population

2012-European Association for the Study of Diabetes (EASD) 01.10.12-05.10.12 – Berlin, Germany, Poster Presentation - Studies of Phenotypic Characteristics of Patients with Latent Autoimmune Diabetes in Adults (LADA) in a Danish Population

2011-Scandinavian Society for the Study of Diabetes (SSSD) 2011 – Reykjavik, Iceland, Oral Presentation - Studies of pheno- and genotypic characteristics and the effect of early insulin treatment in latent autoimmune diabetes in adults (LADA) 02.06.11-04.06.11.

Regular Reviewer for the Following Journals:

Clinical Epidemiology

BMJ OPEN

Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy

Publication:

ORCID identifier is ORCID: 0000-0001-9765-7321

Number of citations: 372, by April 2024

H-index: 9 (<https://www.researchgate.net/profile/Mette-Wod/stats/citations>), by January 2024

Total number of published papers in peer reviewed journals: 21

First authorships: 5

Details on all publications can be found at: <https://portal.findresearcher.sdu.dk/da/persons/mwod>

Research outputs

Children and Adolescents Diagnosed With Inflammatory Bowel Disease Are at Increased Risk of Developing Diseases With a Possible Autoimmune Pathogenesis

Jølvig, L. R., Zegers, F. D., Lund, K., Wod, M., Nielsen, J., Qvist, N., Nielsen, R. G. & Nørgård, B. M., 20. Mar 2024, (E-pub ahead of print) In: *Inflammatory Bowel Diseases*.

Effect of surgery on the long-term use of opioids in patients with degenerative back disorders: a retrospective register-based study

Iachina, M., Wod, M., Garvik, O. S. & Schiøttz-Christensen, B., Dec 2023, In: *European Spine Journal*. 32, 12, p. 4444-4451

The clinical back pain courses described by information available in Danish central registries

Iachina, M., Garvik, O. S., Ljungdahl, P. S., Wod, M. & Schiøttz-Christensen, B., 6. Jan 2022, In: *BMC Health Services Research*. 22, 9 p., 36.

The impact of medical therapies and factors related to treatment procedures in women with rheumatoid arthritis and inflammatory bowel disease receiving assisted reproduction: a nationwide cohort study

Nørgård, B. M., Wod, M., Larsen, M. D., Friedman, S., Jølvig, L. R. & Fedder, J., 1. Dec 2021, In: *Fertility and Sterility*. 116, 6, p. 1492-1500

Genetic and Environmental Influences on Semantic Verbal Fluency Across Midlife and Later Life

Gustavson, D. E., Panizzon, M. S., Kremen, W. S., Reynolds, C. A., Pahlen, S., Nygaard, M., Wod, M., Catts, V. S., Lee, T., Gatz, M., Franz, C. E. & IGEMS consortium, Mar 2021, In: *Behavior Genetics*. 51, 2, p. 99-109

Apolipoprotein E ε4 and cognitive function after surgery in middle-aged and elderly Danish twins

Dokkedal, U., Wod, M., Thinggaard, M., Hansen, T. G., Rasmussen, L. S., Christensen, K. & Mengel-From, J., Nov 2020, In: *European Journal of Anaesthesiology*. 37, 11, p. 984-991

β-adrenoreceptors and the risk of Parkinson's disease

Hopfner, F., Höglinger, G. U., Kühlenbäumer, G., Pottgård, A., Wod, M., Christensen, K., Tanner, C. M. & Deuschl, G., Mar 2020, In: *The Lancet Neurology*. 19, 3, p. 247-254

Resting heart rate and mortality in the very old

Wod, M., Jensen, M. T., Galatius, S., Hjelmberg, J. B., Jensen, G. B. & Christensen, K., Dec 2019, In: *Scandinavian Journal of Clinical & Laboratory Investigation*. 79, 8, p. 566-571

Longitudinal Associations of Sensory and Cognitive Functioning: A Structural Equation Modeling Approach

de la Fuente, J., Hjelmberg, J., Wod, M., de la Torre-Luque, A., Caballero, F. F., Christensen, K. & Ayuso-Mateos, J. L., 4. Oct 2019, In: *The Journals of Gerontology, Series B*. 74, 8, p. 1308-1316

Use of β2-adrenoreceptor agonist and antagonist drugs and risk of Parkinson disease

Hopfner, F., Wod, M., Höglinger, G. U., Blaabjerg, M., Rösler, T. W., Kühlenbäumer, G., Christensen, K., Deuschl, G. & Pottgård, A., 9. Jul 2019, In: *Neurology*. 93, 2, p. e135-e142

Is Who you Ask Important? Concordance Between Survey and Registry Data on Medication Use Among Self- and Proxy-Respondents in the Longitudinal Study of Aging Danish Twins and the Danish 1905-Cohort Study

Oksuzyan, A., Sauer, T., Gampe, J., Höhn, A., Wod, M., Christensen, K. & Wastesson, J. W., 1. May 2019, In: *The Journals of Gerontology Series A*. 74, 5, p. 742-747

First Genome-Wide Association Study of Latent Autoimmune Diabetes in Adults Reveals Novel Insights Linking Immune and Metabolic Diabetes

Groop, L. C., Leslie, R. D., Grant, S. F. A. & Bone Mineral Density in Childhood Study, Nov 2018, In: *Diabetes Care*. 41, 11, p. 2396-2403

Resting Heart Rate Is Not Associated with Cognitive Function

Wod, M., Jensen, M. T., Galatius, S., Hjelmberg, J. B., Jensen, G. B. & Christensen, K., 1. May 2018, In: Neuroepidemiology. 50, 3-4, p. 160-167

Lack of Association Between Proton Pump Inhibitor Use and Cognitive Decline

Wod, M., Hallas, J., Andersen, K., García Rodríguez, L. A., Christensen, K. & Gaist, D., May 2018, In: Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association. 16, 5, p. 681-689

Lower mortality and cardiovascular event rates in patients with latent autoimmune diabetes in adults (LADA) as compared with type 2 diabetes and insulin deficient diabetes: A Cohort Study of 4,368 Patients.

Wod, M., Thomsen, R. W., Yderstræde, K. B., Beck-Nielsen, H., Højlund, K. & Pedersen, L., May 2018, In: Diabetes Research and Clinical Practice. 139, p. 107–113

No impact of surgery on cognitive function: a longitudinal study of middle-aged Danish twins

Dokkedal, U., Wod, M., Thinggaard, M., Hansen, T. G., Rasmussen, L. S., Mengel-From, J. & Christensen, K., Feb 2018, In: Annals of Epidemiology. 28, 2, p. 95-101.e1

Heritability of resting heart rate and association with mortality in middle-aged and elderly twins

Jensen, M. T., Wod, M., Galatius, S., Hjelmberg, J. B., Jensen, G. B. & Christensen, K., Jan 2018, In: Heart. 104, 1, p. 30-36

Metabolic risk profiles in diabetes stratified according to age at onset, islet autoimmunity and fasting C-peptide

Wod, M., Yderstræde, K. B., Halekoh, U., Beck-Nielsen, H. & Højlund, K., 2017, In: Diabetes Research and Clinical Practice. 134, p. 62-71

Studies of association of AGPAT6 variants with type 2 diabetes and related metabolic phenotypes in 12,068 Danes

Snogdal, L. S., Grarup, N., Banasik, K., Wod, M., Jørgensen, T., Witte, D. R., Lauritzen, T., Nielsen, A. A., Brandslund, I., Christensen, C., Pedersen, O. B., Yderstræde, K., Beck-Nielsen, H., Henriksen, J. E., Hansen, T. & Højlund, K., 25. Oct 2013, In: BMC Medical Genetics. 14, p. 113 113.

Common variation in oxidative phosphorylation genes is not a major cause of insulin resistance or type 2 diabetes

Snogdal, L. S., Wod, M., Grarup, N., Vestmar, M. A., Sparsø, T. H., Jørgensen, T., Lauritzen, T., Beck-Nielsen, H., Henriksen, J. E., Pedersen, O., Hansen, T. & Højlund, K., 2012, In: Diabetologia. 55, 2, p. 340-8 9 p.