

Kurt Højlund
Klinisk professor
Steno Diabetes Center Odense
Postadresse:
Kløvervænget 10
Indgang 112
5000
Odense C
Danmark
E-mail: k.hojlund@dadlnet.dk, kurt.hoejlund@rsyd.dk
Mobil: 25320648

Curriculum Vitae

Current positions and places of work

Head of Research, Clinical Professor in Diabetes, Consultant, Steno Diabetes Center Odense, Odense University Hospital and Department of Clinical Research, University of Southern Denmark (SDU), DK-5000 Odense, Denmark
Adjunct Professor, Department of Nutrition, Exercise and Sports, Copenhagen University from 2014-2024..

Academic education:

Jun 1995: Diploma in Medical Research, Odense University.

Jan 1996: Masters Degree in Health Sciences, Medicine, Odense University. Average Mark 10.4 (13 scale).

Nov 2003: Degree of PhD in Health Sciences, Medical Endocrinology, SDU.

Jan 2011: Completed "Research Management Course" at Copenhagen Business School.

May 2014: Doctoral degree (DMSc) at the Faculty of Health Sciences, SDU

Clinical and academic appointments and specialist authorization:

1996-2003: House Officer, Svendborg Sygehus, Funen County, Dept. of Endocrinology, Odense University Hospital and Dept. of Internal Medicine, Odense University Hospital

2003-2005: Senior House Officer, Depts. of Internal Medicine/Endocrinology, Odense University Hospital

2005-2009: Senior Registrar/post.doc (50/50%). Dept. of Endocrinology, Odense University Hospital

2009-2014: Consultant/associate professor (50/50%), Dept. of Endocrinology, Odense University Hospital

2014-2018: Consultant/professor (50/50%), Dept. of Endocrinology, Odense University Hospital

2018-xxxx: Consultant/professor (50/50%), Steno Diabetes Center Odense, Odense University Hospital

Nov 2008: Specialist in Medical Endocrinology.

Administrative work including research leadership past 5 years:

2002-xxxx: Part of the EGIR project Relationship between Insulin Sensitivity and Cardiovascular Disease (RISC) funded by the EU 5th Framework

2008-2013: Member of the Board and Secretary for the Danish Endocrine Society (DES)

2008-2019: Member of the Board for the Society for the Study of Diabetes in Scandinavian (SSSD)

2011-2019: Member of the Steering Committee for the FFARMED Project funded by the Danish Research Council for Strategic Research

2011- 2016: Sapere Aude DFF-Research Leader, Institute of Clinical Research, SDU

2012+2017: Chief-organizer of the 47th and the 52th Annual Meeting in SSSD

2012-xxxx: Member of the Board of the Danish Diabetes Academy

2012-2017: Chairman of the Consultative Council in the Danish Diabetes Academy

2013-xxxx: Member of the Regional Council of Endocrinology (Specialerådet) in Region Syddanmark

2014-xxxx: Member of the Scientific Evaluation Committee for Lægeforeningens Forskningsfond

2015: Organizer of the "Skeletal muscle Proteome" session at 14th Human Proteome Organization World Congress – HUPO, September 27-30, 2015. Vancouver, Canada.

2016-2021: Member of the working group for the National Guidelines for treatment of type 2 diabetes by the Danish Endocrine Society (DES) and The Danish College of General Practitioners.

2016-2021: Member of the working group for NBV (National BehandlingsVejledninger) of type 2 diabetes, Danish Endocrine Society (DES).

2016-xxxx: Member of the Diabetes Council in the Danish Diabetes Association.

2018-2021: Member of the Scientific Evaluation Committee for OUH PhD Stipends

2018-xxxx: Chair of the Scientific Evaluation Committee for SDCO PhD Stipends

2020-xxxx: Member of the Scientific Evaluation Committee for Diabetesforeningens Forskningsråd

2020-xxxx: Member of the Expert Committee for Type 2 diabetes for the Danish Medicines Council

Referee work:

For > 50 different journals in the areas of diabetes, endocrinology, metabolism and proteomics.

Referee for Diabetes UK Grant Review 2006; Referee for Wellcome Trust Grant Review 2006; Referee for Agence Nationale de la Recherche (French National Agency) 2008, 2011, 2012; Member of the evaluation committee for Ph.D mobility stipends at Copenhagen University 2010; Referee for the Villum Foundation 2011; Referee for the ERC

Consolidator Grant 2014; The Netherlands Organisation for Health Research and Development/Scientific Research 2014, 2016; European Foundation for the Study of Diabetes (EFSD) 2015.

Scientific Awards:

Sehested-Hansen Foundation Honor Bursary (2003)

Bagger-Sørensen Foundation Honor Bursary (2003)
Helmar Lausten's Memorial Bursary (appointed by the Danish Diabetes Association) (2004)
Young Investigators Award of the SSSD (2007)
Niels Schwartz-Sørensen's Honorary Prize (2010)
Sawmill owner Jeppe Juhl and wife Ovita Juhls Memorial Bursary (2016)

Academic work abroad:

MRC Protein Phosphorylation Unit, Dundee University, Dundee, UK 2003 and 2004 (5 weeks) Post.doc position at Professor Lawrence Mandarinos lab, Center for Metabolic Biology, Arizona State University from August 2006 to February 2007, and again in from February to March 2008.

Major external funding as main applicant (>1.000.000 Dkr)

2005: Danish Medical Research Council 1.001.915 Dkr
2009: Danish Medical Research Council 1.791.474 Dkr
2009: Novo Nordic Excellence Grant: 5.000.000 Dkr.
2011: Sapere Aude, DFF Starting Grant 8.571.866 Dkr
2013: SDU 2020, 2.221.000 Dkr
2015: Novo Nordisk Foundation: 3.000.000 Dkr
2016: Sawmill owner Jeppe Juhl and wife Ovita Juhl Memorial Bursary 1.000.000 Dkr
2020 The Ministry of Higher Education and Science: 1.500.000 Dkr

Chairman:

Annual Meetings of the DES (2005, 2006, 2009, 2011, 2014) and SSSD (2007, 2008, 2012, 2015, 2017)
Courses arranged by the Danish PhD School of Molecular Metabolism/Danish Diabetes Academy (2005-2017)
EASD/ADA-symposium "Mitochondrial Biology in Human Diabetes and Metabolic Diseases (EASD 2012)
"Skeletal muscle Proteome" session at 14th Human Proteome Organization World Congress (HUPO 2015)

Official opponent of 29 PhD theses and 1 doctoral dissertation:

2005: Louise Ambye, Copenhagen University (KU). 2009: Rasmus Rabøl, KU; Charlotte Brøns, KU; Amra C. Alibegovic, KU. 2010: Rasmus Pold, Aarhus University (AAU); Lise Højbjerg, KU. 2011: Martin Friedrichsen, KU. 2012: Søren Naaby Hansen (DMSc), AAU; Kathrine Bagge, KU; Anna Pietraszek, AAU. 2013: Morten Møller Poulsen, AAU; Kristoffer S. Burgdorf, KU. Heidi Wolden-Kirk, SDU (Chair). 2014: Stina Anthonsen, RUC; Karen Fjeldborg, AAU. 2015: Malin L. Rasmussen, SDU (Chair); Søren Møller Madsen, AAU. 2016: Andreas B. Møller, AAU; Rok Asmina, SDU (Chair); Line B Dalgaard, SDU (Chair); Sofie H. Rønn, AAU. 2017: Thomas Voss, AAU; Annett H Rasmussen, SDU (Chair). 2018: Ditte Søgaard, KU; Peter Breining, AAU; Mads Svart, AAU. Anders V. Edhager, AAU. 2019: Marianne K. Poulsen, AAU; Anne L. Christiansen, SDU (Chair). 2020: Mette J. Riis-Vestergaard, AAU.

Supervisor for Ph.D. students and Postdocs:

Completed:

PhD: Vibe Skov 2007, Martin Hey-Mogensen 2009, Birgitte F. Vind 2010, Xiaolu Zhao and Louise Frederiksen 2011, Lene Sønder 2012, Steffen Bak and Andreas J.T. Pedersen 2014, Mette Wod, Zuzana Vlachocva and Tore B. Stage 2015, Rikke Kruse, Line V. Magnussen, Sofia B. Mikkelsen 2016. Magda Altionok, Mette Lundgren Nielsen 2017. Rugivan Sabaratnam 2018. Han-Chow-Koh 2018. Karina V. Sørensen 2019.

Post.docs: Stine J. Petersson 2014, Jonas M Kristensen 2015. Michaela Tencerova 2019.

Current:

PhD-students: Maria Blicher, Tine B. Nielsen, Jens-Jacob Lauterlein, Maria H. Petersen, Eva Kampmann-Gram, Kristoffer J. Kolnes, Pauline M. Møller.

Post.docs: Rikke Kruse, Rugivan Sabaratnam, Navid Sahebkhiani, Rikke Hjortebjerg, Sidsel Domazet.

Teaching:

1997-xxxx: Course in Human Pathophysiology, SDU

2000-2004: A-course in Endocrinology, Odense University Hospital

1999-xxxx: Different pregraduate courses in medical endocrinology, Odense University Hospital

2002-xxxx: Different Ph.d.-courses at the Danish PhD School of Molecular Metabolism, SDU, now taken over by the Danish Diabetes Academy.

2009-2012: Ph.d-course at the Ph.d School of Endocrinology, University of Southern Denmark

2011-2012: Workshop in Molecular Metabolism and Endocrinology Workshop, Ph.D School, AAU

2012-2014: Courses at the The Institute of Sports Science and Clinical Biomechanics, SDU

2013-2013: Ph.D. course in "Molecular Physiology and Metabolism in exercise and health", KU

Publications

Total number of peer reviewed publications: 169. Subjects covering mostly diabetes, endocrinology, metabolism and proteomics. Citations=9310, H-index=49 (Web of Science).

Publikationer

Lipid Levels and Risk of Diabetic Polyneuropathy in 2 Danish Type 2 Diabetes Cohorts

Kristensen, F. P. B., Christensen, D. H., Callaghan, B. C., Nielsen, J. S., Højlund, K., Andersen, H., Dekkers, O. M., Groenwold, R. H. H., Sørensen, H. T. & Thomsen, R. W., 9. jul. 2024, I: *Neurology*. 103, 1, e209538.

Acute Exercise Increases GDF15 and Unfolded Protein Response/Integrated Stress Response in Muscle in Type 2 diabetes

Sabaratnam, R., Kristensen, J. M., Pedersen, A. J. T., Kruse, R., Handberg, A., Wojtaszewski, J. F. P. & Højlund, K., 17. jun. 2024, I: *The Journal of Clinical Endocrinology & Metabolism*. 109, 7, s. 1754-1764

Risk of Diabetic Retinopathy According to Subtype of Type 2 Diabetes

Pedersen, F. N., Stokholm, L., Andersen, N., Andresen, J., Bek, T., Hajari, J., Heegaard, S., Højlund, K., Kawasaki, R., Laugesen, C. S., Möller, S., Schielke, K., Nielsen, J. S., Stidsen, J. V., Thomsen, R. W., Thinggaard, B. & Grauslund, J., 1. jun. 2024, I: *Diabetes*. 73, 6, s. 977-982

Lifetime and 10-year cardiovascular risk prediction in individuals with type 1 diabetes: The LIFE-T1D model

Helmink, M. A. G., Hageman, S. H. J., Eliasson, B., Sattar, N., Visseren, F. L. J., Dorresteijn, J. A. N., Harris, K., Peters, S. A. E., Woodward, M., Szentkúti, P., Højlund, K., Henriksen, J. E., Sørensen, H. T., Serné, E. H., van Sloten, T. T., Thomsen, R. W. & Westerink, J., jun. 2024, I: *Diabetes, Obesity and Metabolism*. 26, 6, s. 2229-2238

Low-grade inflammation in persons with recently diagnosed type 2 diabetes: The role of abdominal adiposity and putative mediators

Domazet, S. L., Olesen, T. B., Stidsen, J. V., Svensson, C. K., Nielsen, J. S., Thomsen, R. W., Jessen, N., Vestergaard, P., Andersen, M. K., Hansen, T., Brøns, C., Jensen, V. H., Vaag, A. A., Olsen, M. H. & Højlund, K., jun. 2024, I: *Diabetes, Obesity and Metabolism*. 26, 6, s. 2092-2101

Low birthweight in patients with type 2 diabetes is associated with elevated risk of cardiovascular events and mortality

Hansen, A. L., Brøns, C., Engelhard, L. M., Andersen, M. K., Hansen, T., Nielsen, J. S., Vestergaard, P., Højlund, K., Jessen, N., Olsen, M. H., Sørensen, H. T., Thomsen, R. W. & Vaag, A., 22. maj 2024, (E-pub ahead of print) I: *Diabetologia*.

Empagliflozin to elderly and obese patients with increased risk of developing heart failure: Study protocol for the Empire Prevent trial program

Andersen, C. F., Larsen, J. H., Jensen, J., Omar, M., Nouhravesh, N., Kistorp, C., Tuxen, C., Gustafsson, F., Knop, F. K., Forman, J. L., Davidovski, F. S., Jensen, L. T., Højlund, K., Køber, L., Antonsen, L., Poulsen, M. K., Schou, M. & Møller, J. E., maj 2024, I: *American Heart Journal*. 271, s. 84-96

High-intensity interval training combining rowing and cycling improves but does not restore beta-cell function in type 2 diabetes

Houborg Petersen, M., Stidsen, J. V., Eisemann de Almeida, M., Kleis Wentorf, E., Jensen, K., Ørtenblad, N. & Højlund, K., 12. apr. 2024, I: *Endocrine Connections*. 13, 5, e230558.

Diabetic retinopathy as an independent marker of cardiovascular disease in type 1 diabetes: Results from a nationwide longitudinal matched case-cohort study

Mabala, D. S., Stokholm, L., Andersen, N., Andresen, J., Bek, T., Heegaard, S., Hajari, J., Højlund, K., Kawasaki, R., Laugesen, C. S., Möller, S., Pedersen, F. N., Schielke, K. C., Thykjær, A. S. & Grauslund, J., 2024, (E-pub ahead of print) I: *Acta Ophthalmologica*.

Diabetic retinopathy as an independent marker of cardiovascular disease in type 1 diabetes: results from a nationwide longitudinal matched case-cohort study

Grauslund, J., Mabala, D. S., Andersen, N., Andresen, J., Bek, T., Højlund, K., Möller, S., Pedersen, F. N., Thykjær Petersen, A. S. & Stokholm, L., 2024, I: *European Journal of Ophthalmology*. 34, Suppl. 1

Diabetic Retinopathy Predicts Risk of Alzheimer's Disease: A Danish Registry-Based Nationwide Cohort Study

Pedersen, F. N., Stokholm, L., Pouwer, F., Hass Rubin, K., Peto, T., Frydkjær-Olsen, U., Thykjær, A. S., Andersen, N., Andresen, J., Bek, T., La Cour, M., Heegaard, S., Højlund, K., Kawasaki, R., Hajari, J. N., Ohm Kyvik, K., Laugesen, C. S., Schielke, K. C., Simó, R. & Grauslund, J., 2024, *Handbook of Prevention and Alzheimer's Disease*. Raji, C. A., Leng, Y., Ashford, J. W. & Khalsa, D. S. (red.). IOS Press, s. 395-406 (Advances in Alzheimer's Disease, Bind 10).

Investigating the role of obesity, circadian disturbances and lifestyle factors in people with schizophrenia and bipolar disorder: Study protocol for the SOMBER trial

Kolind, M. E., Kruse, R., Petersen, A. S., Larsen, C. S., Bak, L. K., Højlund, K., Beier, C. P., Stenager, E. & Juhl, C. B., 2024, I: *PLOS ONE*. 19, 7, s. e0306408

Presence and development of diabetic retinopathy in 16 999 patients with type 1 diabetes in the Danish Registry of Diabetic Retinopathy

Stokholm, L., Pedersen, F. N., Andersen, N., Andresen, J., Bek, T., Dinesen, S., Hajari, J., Heegaard, S., Højlund, K., Laugesen, C. S., Kawasaki, R., Möller, S., Schielke, K. C., Subhi, Y., Thykjær, A. S. & Grauslund, J., 2024, (E-pub ahead of print) *I: Acta Ophthalmologica*.

High-throughput proteomics uncovers exercise training and type 2 diabetes-induced changes in human white adipose tissue

Larsen, J. K., Kruse, R., Sahebkhari, N., Moreno-Justicia, R., Gomez Jorba, G., Petersen, M. H., de Almeida, M. E., Ørtenblad, N., Deshmukh, A. S. & Højlund, K., 29. nov. 2023, *I: Science Advances*. 9, 48, 15 s., eadi7548.

Bariatric surgery in individuals with type 2 diabetes is not associated with short or long-term risk of diabetic retinopathy progression: results from a nationwide cohort study

Thykjær, A. S., Rosengaard, L., Andersen, N., Andresen, J., Bek, T., Hajari, J., Heegaard, S., Højlund, K., Kawasaki, R., Laugesen, C. S., Möller, S., Pedersen, F. N., Schielke, K. C., Stokholm, L. & Grauslund, J., nov. 2023, *I: Acta Diabetologica*. 60, 11, s. 1531-1539

Inter-grader reliability in the Danish screening programme for diabetic retinopathy

Thyjaer, A. S., Andresen, J., Andersen, N., Bek, T., Heegaard, S., Hajari, J., Schmidt Laugesen, C., Möller, S., Pedersen, F. N., Kawasaki, R., Højlund, K., Rubin, K. H., Stokholm, L., Peto, T. & Grauslund, J., nov. 2023, *I: Acta Ophthalmologica*. 101, 7, s. 783-788

Type 1 Diabetes and Health Information Systems: Lessons from Denmark

Beran, D., Højlund, K. & Green, A., nov. 2023, *I: European Medical Journal Diabetes*. s. 68-76

Longitudinal bidirectional associations between diabetic retinopathy and diagnosed depression: Results from a Danish nationwide registry-based cohort study

Pedersen, F. N., Stokholm, L., Andersen, N., Andresen, J., Bek, T., Hajari, J. N., Heegaard, S., Højlund, K., Kawasaki, R., Möller, S., Laugesen, C. S., Schielke, K. C., Thykjær, A. S., Peto, T., Pouwer, F. & Grauslund, J., okt. 2023, *I: Journal of Diabetes and Its Complications*. 37, 10, 7 s., 108589.

Birthweight is associated with clinical characteristics in people with recently diagnosed type 2 diabetes

Hansen, A. L., Thomsen, R. W., Brøns, C., Svane, H. M. L., Jensen, R. T., Andersen, M. K., Hansen, T., Nielsen, J. S., Vestergaard, P., Højlund, K., Jessen, N., Olsen, M. H., Sørensen, H. T. & Vaag, A. A., sep. 2023, *I: Diabetologia*. 66, 9, s. 1680-1692

Five-Year Incidence of Proliferative Diabetic Retinopathy and Associated Risk Factors in a Nationwide Cohort of 201 945 Danish Patients with Diabetes

Dinesen, S., Stokholm, L., Subhi, Y., Peto, T., Savarimuthu, T. R., Andersen, N., Andresen, J., Bek, T., Hajari, J., Heegaard, S., Højlund, K., Laugesen, C. S., Kawasaki, R., Möller, S., Schielke, K., Thykjær, A. S., Pedersen, F. & Grauslund, J., sep. 2023, *I: Ophthalmology Science*. 3, 3, 9 s., 100291.

A six-month low-carbohydrate diet high in fat does not adversely affect endothelial function or markers of low-grade inflammation in patients with type 2 diabetes: an open-label randomized controlled trial

Gram-Kampmann, E. M., Olesen, T. B., Hansen, C. D., Hugger, M. B., Jensen, J. M., Handberg, A., Beck-Nielsen, H., Krag, A., Olsen, M. H. & Højlund, K., 17. aug. 2023, *I: Cardiovascular Diabetology*. 22, 10 s., 212.

Effects of DPP-4 inhibitors, GLP-1 receptor agonists, SGLT-2 inhibitors and sulphonylureas on mortality, cardiovascular and renal outcomes in type 2 diabetes: A network meta-analyses-driven approach

Brønden, A., Christensen, M. B., Glinborg, D., Snorgaard, O., Kofoed-Enevoldsen, A., Madsen, G. K., Toff, K., Kristensen, J. K., Højlund, K., Hansen, T. K., Søndergaard, E. & Hansen, K. B., aug. 2023, *I: Diabetic Medicine*. 40, 8, e15157.

Initiation of glucose-lowering drugs reduces the anticoagulant effect of warfarin: But not through altered drug metabolism in patients with type 2 diabetes

Dunvald, A.-C. D., Nielsen, F., Olsen, D. A., Ernst, M. T., Donnelly, L., Soto-Pedre, E., Kristiansen, M. R., Nielsen, J. S., Persson, F., Højlund, K., Madsen, J. S., Søndergaard, J., Pearson, E., Pottgård, A. & Stage, T. B., aug. 2023, *I: British Journal of Clinical Pharmacology*. 89, 8, s. 2529-2541

Retinal microvascular markers in type 2 diabetes subphenotypes and latent autoimmune diabetes of adults

Pedersen, F. N., Stidsen, J. V., Rasmussen, M. N., Nielsen, H.-B., Henriksen, J. E., Olesen, T. B., Olsen, M. H., Nielsen, J. S., Højlund, K., Blindbaek, S. L. & Grauslund, J., aug. 2023, I: *Acta Ophthalmologica*. 101, 5, s. 560-567

The Prevalence of Polyneuropathy in Type 2 Diabetes Subgroups Based on HOMA2 Indices of β -Cell Function and Insulin Sensitivity

Kristensen, F. P. B., Christensen, D. H., Callaghan, B. C., Stidsen, J. V., Nielsen, J. S., Højlund, K., Beck-Nielsen, H., Jensen, T. S., Andersen, H., Vestergaard, P., Jessen, N., Olsen, M. H., Hansen, T., Brøns, C., Vaag, A., Sørensen, H. T. & Thomsen, R. W., aug. 2023, I: *Diabetes Care*. 46, 8, s. 1546-1555

The Rho guanine dissociation inhibitor α inhibits skeletal muscle Rac1 activity and insulin action

Møller, L. L. V., Ali, M. S., Davey, J., Raun, S. H., Andersen, N. R., Long, J. Z., Qian, H., Jeppesen, J. F., Henriquez-Olguin, C., Frank, E., Jensen, T. E., Højlund, K., Wojtaszewski, J. F. P., Nielsen, J., Chiu, T. T., Jedrychowski, M. P., Gregorevic, P., Klip, A., Richter, E. A. & Sylow, L., 4. jul. 2023, I: *PNAS*. 120, 27, e2211041120.

Low Bone Turnover Associates with Lower Insulin Sensitivity in Newly Diagnosed Drug-naïve Persons with Type 2 Diabetes

Nasser, M. I., Stidsen, J. V., Højlund, K., Nielsen, J. S., Eastell, R. & Frost, M., 16. jun. 2023, I: *The Journal of Clinical Endocrinology & Metabolism*. 108, 7, s. e371-e379

Gene-environment interactions in the associations of PFAS exposure with insulin sensitivity and beta-cell function in a Faroese cohort followed from birth to adulthood

Valvi, D., Christiani, D. C., Coull, B., Højlund, K., Nielsen, F., Audouze, K., Su, L., Weihe, P. & Grandjean, P., 1. jun. 2023, I: *Environmental Research*. 226, 115600.

Bidirectional 5-year risks of diabetic retinopathy, glaucoma and/or ocular hypertension: Results from a national screening programme

Sperling, S., Stokholm, L., Thykjaer, A. S., Pedersen, F. N., Möller, S., Laugesen, C. S., Andersen, N., Andresen, J., Bek, T., la Cour, M., Hajari, J., Heegaard, S., Højlund, K., Kawasaki, R., Kolko, M., Schielke, K. C., Rubin, K. H., Vestergaard, A. H. & Grauslund, J., jun. 2023, I: *Acta Ophthalmologica*. 101, 4, s. 384-391

Diabetic retinopathy is a predictor of chronic respiratory failure: A nationwide register-based cohort study

Thinggaard, B. S., Stokholm, L., Davidsen, J. R., Larsen, M. C., Möller, S., Thykjær, A. S., Andresen, J. L., Andersen, N., Heegaard, S., Højlund, K., Kawasaki, R., Laugesen, C., Bek, T. & Grauslund, J., jun. 2023, I: *Heliyon*. 9, 6, e17342.

Genome-wide association study and functional characterization identifies candidate genes for insulin-stimulated glucose uptake

Williamson, A., Norris, D. M., Yin, X., Broadaway, K. A., Moxley, A. H., Vadlamudi, S., Wilson, E. P., Jackson, A. U., Ahuja, V., Andersen, M. K., Arzumanyan, Z., Bonnycastle, L. L., Bornstein, S. R., Bretschneider, M. P., Buchanan, T. A., Chang, Y. C., Chuang, L. M., Chung, R. H., Clausen, T. D. & Damm, P. & 31 flere, Delgado, G. E., de Mello, V. D., Dupuis, J., Dwivedi, O. P., Erdos, M. R., Silva, L. F., Frayling, T. M., Gieger, C., Goodarzi, M. O., Guo, X., Gustafsson, S., Hakaste, L., Hammar, U., Hatem, G., Herrmann, S., Højlund, K., Horn, K., Hsueh, W. A., Hung, Y. J., Hwu, C. M., Jonsson, A., Kärhus, L. L., Kleber, M. E., Kovacs, P., Lakka, T. A., Lauzon, M., Lee, I. T., Lindgren, C. M., Lindström, J., The Meta-Analysis of Glucose and Insulin-related Traits Consortium (MAGIC) & Hansen, T., jun. 2023, I: *Nature Genetics*. 55, 6, s. 973-983

Acute exercise increases the contact between lipid droplets and mitochondria independently of obesity and type 2 diabetes

de Almeida, M. E., Ørtenblad, N., Petersen, M. H., Schjerning, A. S. N., Wentorf, E. K., Jensen, K., Højlund, K. & Nielsen, J., 15. maj 2023, I: *The Journal of Physiology*. 601, 10, s. 1797-1815

A plan to improve global type 1 diabetes epidemiology data

Beran, D., Højlund, K., Besançon, S., Mundt, M. L., Ogle, G. D., Ramaiya, K., Robinson, T., Svensson, J., Tuomilehto, J., Wild, S. & Green, A., mar. 2023, I: *The Lancet Diabetes and Endocrinology*. 11, 3, s. 154-155

Presence and development of diabetic retinopathy in 153238 patients with type 2 diabetes in the Danish Registry of Diabetic Retinopathy

Grauslund, J., Pedersen, F. N., Andersen, N., Andresen, J., Bek, T., Dinesen, S., Hajari, J., Heegaard, S., Højlund, K., Laugesen, C. S., Kawasaki, R., Möller, S., Schielke, K. C., Thykjaer, A. S. & Stokholm, L., mar. 2023, I: *Acta Ophthalmologica*. 101, 2, s. 207-214

Loci for insulin processing and secretion provide insight into type 2 diabetes risk

Broadaway, K. A., Yin, X., Williamson, A., Parsons, V. A., Wilson, E. P., Moxley, A. H., Vadlamudi, S., Varshney, A., Jackson, A. U., Ahuja, V., Bornstein, S. R., Corbin, L. J., Delgado, G. E., Dwivedi, O. P., Silva, L. F., Frayling, T. M., Grallert, H., Gustafsson, S., Hakaste, L. & Hammar, U. & 51 flere, Herder, C., Herrmann, S., Højlund, K., Hughes, D. A., Kleber, M. E., Lindgren, C. M., Liu, C. T., Luan, J., Malmberg, A., Moissl, A. P., Morris, A. P., Perakakis, N., Peters, A., Petrie, J. R., Roden, M., Schwarz, P. E. H., Sharma, S., Silveira, A., Strawbridge, R. J., Tuomi, T., Wood, A. R., Wu, P., Zethelius, B., Baldassarre, D., Eriksson, J. G., Fall, T., Florez, J. C., Fritsche, A., Gigante, B., Hamsten, A., Kajantie, E., Laakso, M., Lahti, J., Lawlor, D. A., Lind, L., März, W., Meigs, J. B., Sundström, J., Timpson, N. J., Wagner, R., Walker, M., Wareham, N. J., Watkins, H., Barroso, I., O'Rahilly, S., Grarup, N., Parker, S. C., Boehnke, M., Langenberg, C., Wheeler, E. & Mohlke, K. L., 2. feb. 2023, I: *American Journal of Human Genetics*. 110, 2, s. 284-299

Accelerometer-derived physical activity and sedentary behaviors in individuals with newly diagnosed type 2 diabetes: A cross-sectional study from the Danish nationwide DD2 cohort

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Højlund, K. & Beck-Nielsen, H., 1. apr. 2002, I: Ugeskrift for Læger. 164, 14, s. 1937

The diabetic phenotype is conserved in myotubes established from diabetic subjects: evidence for primary defects in glucose transport and glycogen synthase activity.

Gaster, M., Petersen, I., Højlund, K., Poulsen, P. & Beck-Nielsen, H., 1. apr. 2002, I: Diabetes. 51, 4, s. 921-7 6 s.

Development and clinical evaluation of a novel immunoassay for the binary complex of IGF-I and IGF-binding protein-1 in human serum

Frystyk, J., Højlund, K., Rasmussen, K. N., Jørgensen, S. P., Wildner-Christensen, M. & Ørskov, H., 1. jan. 2002, I: The Journal of Clinical Endocrinology & Metabolism. 87, 1, s. 260-6

Effect of insulin on protein phosphatase 2A expression in muscle in type 2 diabetes

Højlund, K., Poulsen, M., Bisgaard Stæhr, P., Brusgaard, K. & Beck-Nielsen, H., 2002, I: European Journal of Clinical Investigation. 32, 12, s. 918-923

Reference intervals for glucose, beta-cell polypeptides and counterregulatory factors during prolonged fasting

Højlund, K., Wildner-Christensen, M., Eshøj, O., Skjaerbaek, C., Holst, J. J., Koldkjaer, O., Møller Jensen, D. & Beck-Nielsen, H., 2001, I: American Journal of Physiology: Endocrinology and Metabolism. 280, 1, s. E50-E58

Anvendelse af frisk frosset plasma til patientbehandling. Indikationer belyst gennem et litteraturstudie og en undersøgelse af praksis på et universitetshospital

Lahrmann, C., Højlund, K., Kristensen, T. & Georgsen, J., 1996, I: Ugeskrift for Læger. 158, 24, s. 3467-70 4 s.

Rationel transfusionsbehandling. En undersøgelse af transfusionspraksis og muligheder for at optimere denne ved elektiv koronar bypass-kirurgi

Højlund, K., Andersen, L. I., Hüttel, M. S., Lahrmann, C., Kristensen, T. & Georgsen, J., 1996, I: Ugeskrift for Læger. 158, 50, s. 7237-40 4 s.

Ansættelse

Klinisk Institut

SDU

19. mar. 2024 → present

Gæsteforsker

KI, OUH, Forskningsenhed for SDCO - Steno Diabetes Center Odense

SDU

19. mar. 2024 → present

Aktiviteter

Effects of a six-month low-carbohydrate diet in patients with type 2 diabetes on glycemic control, body composition and cardiovascular risk factors

Gram-Kampmann, E. (Forfatter), Dalby Hansen, C. (Medforfatter), Balle Hugger, M. (Medforfatter), Møller Jensen, J. (Medforfatter), Brønd, J. C. (Medforfatter), Hermann, A. P. (Medforfatter), Olsen, M. H. (Medforfatter), Krag, A. (Medforfatter), Beck-Nielsen, H. (Medforfatter) & Højlund, K. (Medforfatter)

21. sep. 2020 → 25. sep. 2020

Effects of a six-month low-carbohydrate diet in patients with type 2 diabetes on glycemic control, body composition and cardiovascular risk factors

Gram-Kampmann, E. (Oplægsholder), Dalby Hansen, C. (Medforfatter), Olsen, M. H. (Medforfatter), Krag, A. (Medforfatter), Beck-Nielsen, H. (Medforfatter) & Højlund, K. (Medforfatter)

17. jan. 2020 → 18. jan. 2020

BONE, ENERGY METABOLISM AND DIABETES: INTEGRATED PHYSIOLOGY AND CLINICAL APPLICATIONS

Nielsen, M. F. M. (Arrangør), Højlund, K. (Arrangør), Tencerova, M. (Arrangør) & Kassem, M. (Arrangør)

3. okt. 2016 → 4. okt. 2016

Lifestyle impact on mitochondrial biogenesis.

Højlund, K. (Foredragsholder)

3. okt. 2012

Effect of hyperglycaemia on whole-body glucose metabolism and muscle glycogen synthase activity during physiological hyperinsulinaemia in type 2 diabetes

Højlund, K. (Oplægsholder)

30. sep. 2009 → 2. okt. 2009

Phosphoproteomic and transcriptomic characterization of mitochondrial dysfunction in insulin resistant muscle

Højlund, K. (Foredragsholder)

14. nov. 2008

Estimates of the bioactivity of IGF-II in serum from healthy subjects, obese subjects and obese type 2 diabetic patients

Højlund, K. (Oplægsholder)

16. sep. 2008 → 20. sep. 2008

Circulating levels of Insulin-like Growth Factor-II Receptor in type 1 and type 2 diabetic patients

Højlund, K. (Oplægsholder)

9. maj 2008 → 11. maj 2008

Genetic Variants and Phenotypic Characteristics of Patients with Type 2 Diabetes Mellitus (T2DM)

Højlund, K. (Oplægsholder)

9. maj 2008 → 11. maj 2008

The effect of endurance training on insulin-mediated glucose metabolism and markers of muscle glucose storage in obesity and type 2 diabetes

Højlund, K. (Oplægsholder)

9. maj 2008 → 11. maj 2008

Mitochondrial dysfunction in skeletal muscle insulin resistance. Application of transcriptomics and proteomics

Højlund, K. (Foredragsholder)

10. apr. 2008

A role for CaMKII in impaired insulin activation of glycogen synthase activity in skeletal muscle of patients with type 2 diabetes.

Højlund, K. (Oplægsholder)

26. jan. 2008 → 27. jan. 2008

Identification of multiple phosphorylation sites on ATP synthase beta subunit in human muscle. Increased phosphorylation at Thr213 and Tyr361 in obesity and type 2 diabetes

Højlund, K. (Oplægsholder)

2008

Impaired insulin-stimulated phosphorylation of Akt and AS160 in skeletal muscle of women with polycystic ovary syndrome is reversed by pioglitazone treatment

Højlund, K. (Foredragsholder)

13. maj 2007

Hypoglycemia & Insulin resistance. A novel Syndrome.

Højlund, K. (Foredragsholder)

11. maj 2007

Priser

Young Investigators Award

Højlund, K. (Modtager), 11. maj 2007

Presse/medie

10 millioner kroner til forskning inden for behandling af knogleskørhed hos patienter med osteoporose eller diabetes

Højlund, K.

10/05/2019

1 Mediebidrag

1,5 millioner til coronaforskning: SDU-professor ser på diabetikere og personer med forhøjet blodtryk

Højlund, K.

14/04/2020

1 Mediebidrag

800.000 kr. skal kickstarte nye forskerkarrierer

Højlund, K.

12/01/2022

1 Mediebidrag

800.000 kr. skal kickstarte nye forskerkarrierer

Højlund, K.

12/01/2022

1 Mediebidrag

800.000 kr. skal kickstarte nye forskerkarrierer

Højlund, K.

12/01/2022

1 Mediebidrag

AKTUELLE: Professorat samler diabetes-forskning

Højlund, K.

27/11/2014

1 element af Mediedækning

Associate Professor In Endocrinology

Højlund, K.

16/03/2019

1 Mediebidrag

Covid-19 lagde Birthe i respirator: - Det er forfærdeligt ikke at kunne trække vejret selv

Højlund, K.

22/03/2021

1 Mediebidrag

Covid-19 lagde Birthe i respirator: - Det er forfærdeligt ikke at kunne trække vejret selv

Højlund, K.

07/04/2021

1 Mediebidrag

Covid-19 lagde Birthe i respirator: - Det er forfærdeligt ikke at kunne trække vejret selv

Højlund, K.

07/04/2021

1 Mediebidrag

Diabetesforsker bliver adjungeret professor

Højlund, K.

23/01/2014

1 element af Mediedækning

Forskning i type 2 diabetes

Højlund, K.

19/11/2014

1 element af Mediedækning

Forskning i type 2 diabetes

Højlund, K.

19/11/2014

1 element af Mediedækning

Forskning i type 2 diabetes

Højlund, K.

19/11/2014

1 element af Mediedækning

Forskning i type 2 diabetes

Højlund, K.

19/11/2014

1 element af Mediedækning

Julekalender optaget på Fyn er kåret som Danmarks bedste

Højlund, K.

06/01/2020

1 Mediebidrag

Julekalender optaget på Fyn er kåret som Danmarks bedste

Højlund, K.

07/01/2020

1 Mediebidrag

Navnligt

Kodahl, A. R. & Højlund, K.

20/11/2014

1 element af Mediedækning

Ni projekter får del i regeringens millionpulje til coronaforskning

Højlund, K.

25/03/2020

1 Mediebidrag

Ny forskningsleder på diabetescenter

Højlund, K.

31/07/2018

1 Mediebidrag

Ny forskningsleder på Steno Diabetes Center Odense

Højlund, K.
10/08/2018
1 Mediebidrag

PRM / 800.000 kr. skal kickstarte nye forskerkarrierer

Højlund, K.
12/01/2022
1 Mediebidrag

PRM / 800.000 kr. skal kickstarte nye forskerkarrierer

Højlund, K.
12/01/2022
1 Mediebidrag

Professor bliver forskningsleder på Steno Diabetes Center Odense

Højlund, K.
04/08/2018
1 Mediebidrag

SDU-forsker skal undersøge, hvorfor corona rammer nogle hårdere

Højlund, K.
14/04/2020
1 Mediebidrag

Teaterdirektøren byder ikke velkommen i år

Højlund, K.
03/08/2018
1 Mediebidrag

Teaterdirektøren byder ikke velkommen i år

Højlund, K.
04/08/2018
1 Mediebidrag

Udnævnelser og forskning

Højlund, K.
08/08/2018
1 Mediebidrag

CV

2018	Lorem ipsum dolor sit amet
2017	Lorem ipsum dolor sit amet
2016	Lorem ipsum dolor sit amet
2015	Lorem ipsum dolor sit amet
2014	Lorem ipsum dolor sit amet
2013	Lorem ipsum dolor sit amet