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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-Sørensens Honory 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 Anthonen, 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 Sahebkhthiari, 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

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., 19. jan. 2022, (E-pub ahead of print) I: *Journal of Alzheimer's disease : JAD*.

Factors Mediating Exercise-induced Organ Crosstalk

Sabaratham, R., Wojtaszewski, J. F. P. & Højlund, K., 4. jan. 2022, I: *Acta Physiologica*.

Female sex and angiotensin-converting enzyme (ace) insertion/deletion polymorphism amplify the effects of adiposity on blood pressure

Chiriaco, M., Tricò, D., Leonetti, S., Petrie, J. R., Balkau, B., Højlund, K., Pataky, Z., Nilsson, P. M. & Natali, A., 1. jan. 2022, I: *Hypertension*. 79, 1, s. 36-46

GAD65 autoantibodies and glucose tolerance in offspring born to women with and without type 1 diabetes (The EPICOM study)

Knorr, S., Lydolph, M. C., Bytoft, B., Lohse, Z., Clausen, T. D., Jensen, R. B., Damm, P., Højlund, K., Jensen, D. M. & Gravholt, C. H., jan. 2022, I: *Endocrinology, diabetes & metabolism*. 5, 1, e00310.

Apolipoprotein D and transthyretin are reduced in female adolescent offspring of women with type 1 diabetes: the EPICOM study

Overgaard, M., Ravnsborg, T., Lohse, Z., Bytoft, B., Clausen, T. D., Jensen, R. B., Damm, P., Højlund, K., Gravholt, C. H., Knorr, S. & Jensen, D. M., 23. dec. 2021, (E-pub ahead of print) I: *Diabetic Medicine Online*. s. e14776

Personalized phosphoproteomics identifies functional signaling

Needham, E. J., Hingst, J. R., Parker, B. L., Morrison, K. R., Yang, G., Onslev, J., Kristensen, J. M., Højlund, K., Ling, N. X. Y., Oakhill, J. S., Richter, E. A., Kiens, B., Petersen, J., Pehmøller, C., James, D. E., Wojtaszewski, J. F. P. & Humphrey, S. J., 2. dec. 2021, (E-pub ahead of print) I: *Nature Biotechnology*.

Diabetic retinopathy as a potential marker of Parkinson's disease: a register-based cohort study

Larsen, M. E. C., Thykjaer, A. S., Pedersen, F. N., Möller, S., Laugesen, C. S., Andersen, N., Andresen, J., Hajari, J., Heegaard, S., Højlund, K., Kawasaki, R., Schielke, K. C., Rubin, K. H., Blaabjerg, M., Stokholm, L. & Grauslund, J., 8. nov. 2021, I: *Brain Communications*. 3, 4, 9 s., fcab262.

Oral and intravenous pharmacokinetics of metformin with and without oral codeine intake in healthy subjects - a cross-over study

Kuhlmann, I., Nyrup, A. N., Stage, T. B., Christensen, M. M. H., Bergmann, T. K., Damkier, P., Nielsen, F., Højlund, K. & Brøsen, K., nov. 2021, I: *Clinical and Translational Science*. 14, 6, s. 2408-2419

Effects of delayed-release olive oil and hydrolyzed pine nut oil on glucose tolerance, incretin secretion and appetite in humans

Sørensen, K. V., Kaspersen, M. H., Ekberg, J. H., Bauer-Brandl, A., Ulven, T. & Højlund, K., okt. 2021, I: *Nutrients*. 13, 10, 13 s., 3407.

Non-Attendance at Diabetic Eye Screening in the Danish Nationwide Screening Program

Thykjaer, A. S., Stokholm, L., Kawasaki, R., Højlund, K., Rubin, K. H., Grauslund, J. & Grp, OASIS. S., okt. 2021, I: *European Journal of Ophthalmology*. 31, 2 Suppl., s. 5 1 s.

Effect of Exercise Training on Fat Loss—Energetic Perspectives and the Role of Improved Adipose Tissue Function and Body Fat Distribution

Kolnes, K. J., Petersen, M. H., Lien-Iversen, T., Højlund, K. & Jensen, J., 24. sep. 2021, I: *Frontiers in Physiology*. 12, 737709.

Prediabetic values of OGTT results and HbA(1c) postpartum as predictors of later development of diabetes in 101 Danish women with previous gestational diabetes

Christensen, M. H., Lundberg, T. P., Smietana, I. S., Vinter, C. A., Aalders, J., Snogdal, L. S., Glintborg, D., Højlund, K., Andersen, M. S. & Jensen, D. M., 1. sep. 2021, I: *Diabetologia*. 64, Suppl. 1, s. 208-209 403.

Life-course exposure to perfluoroalkyl substances in relation to markers of glucose homeostasis in early adulthood

Valvi, D., Højlund, K., Coull, B. A., Nielsen, F., Weihe, P. & Grandjean, P., 13. jul. 2021, I: *The Journal of clinical endocrinology and metabolism*. 106, 8, s. 2495-2504

Acute effects of delayed-release hydrolyzed pine nut oil on glucose tolerance, incretins, ghrelin and appetite in healthy humans

Sørensen, K. V., Korfitzen, S. S., Kaspersen, M. H., Ulven, E. R., Ekberg, J. H., Bauer-Brandl, A., Ulven, T. & Højlund, K., 1. apr. 2021, I: *Clinical Nutrition*. 40, 4, s. 2169-2179

OPTIMAL DURATION OF UNATTENDED AUTOMATIC BLOOD PRESSURE MEASUREMENTS IN SUBJECTS WITH NEWLY DIAGNOSED TYPE 2 DIABETES

Olesen, T., Johnk, F., Nielsen, J. S., Højlund, K. & Olsen, H., 1. apr. 2021, I: *Journal of Hypertension*. 39, Suppl. 1, s. E122

Gamma-glutamyltransferase, arterial remodeling and prehypertension in a healthy population at low cardiometabolic risk

Kozakova, M., Gastaldelli, A., Morizzo, C., Højlund, K., Nilsson, P. M., Ferrannini, E., Beck-Nielsen, H., Vestergaard, V. & RISC Investigators, apr. 2021, I: *Journal of Human Hypertension*. 35, 4, s. 334-342

Inverse Cross-sectional and Longitudinal Relationships between Diabetic Retinopathy and Obstructive Sleep Apnea in Type 2 Diabetes: Results from a National Screening Program

Grauslund, J., Stokholm, L., Thykjær, A. S., Möller, S., Laugesen, C. S., Andresen, J., Bek, T., Cour, M. L., Heegaard, S., Højlund, K., Kawasaki, R., Hajari, J., Kyvik, K. O., Schielke, K. C., Rubin, K. H. & Rasmussen, M. L., mar. 2021, I: *Ophthalmology Science*. 1, 1, s. 100011 9 s.

Serum sclerostin and glucose homeostasis: No association in healthy men. Cross-sectional and prospective data from the EGIR-RISC study

Lauterlein, J. J. L., Hermann, P., Konrad, T., Wolf, P., Nilsson, P., Sánchez, R. G., Ferrannini, E., Balkau, B., Højlund, K. & Frost, M., feb. 2021, I: *bone*. 143, 115681.

Impact of Lean Body Mass and Insulin Sensitivity on the IGF-1-Bone Mass Axis in Adolescence: the EPICOM study

Jensen, R. B., Bytoft, B., Lohse, Z., Johnsen, S. K., Nielsen, M. F., Oturai, P. S., Højlund, K., Damm, P., Clausen, T. D. & Jensen, D. M., 23. jan. 2021, I: *The Journal of clinical endocrinology and metabolism*. 106, 2, s. e772-e781

Identification and characterization of patients with rapid progression of diabetic retinopathy in the danish national screening program

Grauslund, J., Thykjær, A. S., Kawasaki, R., Højlund, K., Andersen, N., Andresen, J., Bek, T., la Cour, M., Heegaard, S., Kessel, L., Laugesen, C. S., Schielke, K. C., Rubin, K. H. & Stokholm, L., 1. jan. 2021, I: *Diabetes Care*. 44, 1, s. e1-e3

Identification and Characterization of Patients with Rapid Progression of Diabetic Retinopathy in the Danish Screening Programme

Grauslund, J., Suhr Thykjær, A., Kawasaki, R., Højlund, K., Rubin, K. H. & Stokholm, L., 1. nov. 2020, I: *European Journal of Ophthalmology*. 30, Suppl. 1, s. 5-6 2 s.

Non-Attendance at Diabetic Eye Screening in the Danish Nationwide Screening Program

Suhr Thykjær, A., Stokholm, L., Højlund, K., Rubin, K. H., Kawasaki, R. & Grauslund, J., 1. nov. 2020, I: *European Journal of Ophthalmology*. 30, Suppl. 1, s. 6 1 s.

Effect of long-term testosterone therapy on molecular regulators of skeletal muscle mass and fibre-type distribution in aging men with subnormal testosterone

Kruse, R., Petersson, S. J., Christensen, L. L., Kristensen, J. M., Sabaratnam, R., Ørtenblad, N., Andersen, M. & Højlund, K., nov. 2020, I: *Metabolism: Clinical and Experimental*. 112, 154347.

Identification and Characterization of Patients with Rapid Progression of Diabetic Retinopathy in the Danish National Screening Programme

Grauslund, J., Thykjaer, A. S., Kawasaki, R., Hojlund, K., Rubin, K. H. & Stokholm, L., nov. 2020, I: European Journal of Ophthalmology. 30, Suppl. 1, s. 5-6 2 s.

A novel gene in early childhood diabetes: EDEM2 silencing decreases SLC2A2 and PXD1 expression, leading to impaired insulin secretion

Alhaidan, Y., Christesen, H. T., Højlund, K., Al Balwi, M. A. & Brusgaard, K., 1. sep. 2020, I: Molecular Genetics and Genomics. 295, 5, s. 1253-1262

Metformin increases GDF15 independent of plasma metformin exposure and its proposed action in the liver

Kolnes, K. J., Møller, P. M., Kruse, R., Christensen, M. M. H., Handberg, A. & Hojlund, K., 1. sep. 2020, I: Diabetologia. 63, Suppl. 1, s. 15-16 27.

High-intensity interval training combining biking and rowing markedly improves insulin sensitivity, body composition and VO(2)max in obesity and type 2 diabetes

Petersen, M. H., de Almeida, M. E., Wentorf, E. K., Ortenblad, N. & Hojlund, K., sep. 2020, I: Diabetologia. 63, Suppl. 1, s. S98-S99 195.

The mitochondrial proteomic signatures of human skeletal muscle linked to insulin resistance

Kruse, R., Sahebkhari, N. & Højlund, K., aug. 2020, I: International Journal of Molecular Sciences . 21, 15, 25 s., 5374.

Non-attendance at diabetic eye screening in a national screening program: data from 206,220 patients

Suhr Thykjær, A., Stokholm, L., Højlund, K., Rubin, K. H., Kawasaki, R. & Grauslund, J., jun. 2020, I: Investigative Ophthalmology & Visual Science. 61, 7, s. 3820

Circulating follistatin and activin A and their regulation by insulin in obesity and type 2 diabetes

Sylov, L., Vind, B. F., Kruse, R., Møller, P. M., Wojtaszewski, J. F. P., Richter, E. A. & Højlund, K., 1. maj 2020, I: Journal of Clinical Endocrinology and Metabolism. 105, 5, s. 1343–1354

Disruption of fasting and post-load glucose homeostasis are largely independent and sustained by distinct and early major beta-cell function defects: a cross-sectional and longitudinal analysis of the Relationship between Insulin Sensitivity and Cardiovascular risk (RISC) study cohort

Mengozi, A., Trico, D., Nesti, L., Petrie, J., Hojlund, K., Mitrakou, A., Krebs, M., Mari, A., Natali, A. & Investigators, RISC., apr. 2020, I: Metabolism. 105, 11 s., 154185.

Changes in Retinal Microvasculature Parameters after Low-Carbohydrate, High-Fat Diet in Type 2 Diabetes: A Randomized-Controlled Trial of Danish Type 2 Diabetic Patients

Blindbæk, S. L., Møller, D., Gram-Kampmann, E., Olsen, M. H., Højlund, K. & Grauslund, J., 2020, I: European Journal of Ophthalmology. 30, Suppl. 1, s. 30 1 s.

Acute exercise increases plasma levels of muscle-derived microvesicles carrying fatty acid transport proteins

Nielsen, M. H., Sabaratnam, R., Pedersen, A. J. T., Højlund, K. & Handberg, A., 1. okt. 2019, I: The Journal of clinical endocrinology and metabolism. 104, 10, s. 4804-4814

Exercise induction of key transcriptional regulators of metabolic adaptation in muscle is preserved in type 2 diabetes

Sabaratnam, R., Pedersen, A. J., Eskildsen, T. V., Kristensen, J. M., Wojtaszewski, J. F. P. & Højlund, K., 1. okt. 2019, I: The Journal of clinical endocrinology and metabolism. 104, 10, s. 4909-4920

Acute effects of delayed-release hydrolysed pine nut oil as a dual FFA1 and FFA4 agonist on glucose tolerance, incretins, ghrelin and appetite in healthy humans

Sorensen, K. V., Korfitzen, S. S., Kaspersen, M. H., Ulven, E. R., Ekberg, J. H., Bauer-Brandl, A., Ulven, T. & Hojlund, K., 1. sep. 2019, I: Diabetologia. 62, Suppl. 1, s. S336 1 s.

In human nephrectomy specimens, the kidney level of tubular transport proteins does not correlate with their abundance in urinary extracellular vesicles

Sabaratnam, R., Geertsen, L., Skjødt, K., Højlund, K., Dimke, H., Lund, L. & Svenningsen, P., 1. sep. 2019, I: American Journal of Physiology: Renal Physiology. 317, 3, s. F560-F571

Fatty Liver Among Adolescent Offspring of Women With Type 1 Diabetes (the EPICOM Study)

Knorr, S., Bytoft, B., Lohse, Z., Boisen, A. B., Clausen, T. D., Jensen, R. B., Damm, P., Beck-Nielsen, H., Holst, J. J., Hartmann, B., Møller, H. J., Højlund, K., Gravholt, C. H. & Jensen, D. M., aug. 2019, I: Diabetes Care. 42, 8, s. 1560-1568

Obesity-Associated Hypermetabolism and Accelerated Senescence of Bone Marrow Stromal Stem Cells Suggest a Potential Mechanism for Bone Fragility

Tencerova, M., Frost, M., Figeac, F., Nielsen, T. K., Ali, D., Lauterlein, J. J. L., Andersen, T. L., Haakonsson, A. K., Rauch, A., Madsen, J. S., Ejersted, C., Højlund, K. & Kassem, M., 14. maj 2019, I: Cell Reports. 27, 7, s. 2050-2062.e6

Prevention of Severe Hypoglycemia by Use of The Electroencephalography (EEG) Based Alarm Device, Hyposafe SUBQ

Blaabjerg, L., Remvig, L. S. R., Nielsen, S. S., Henriksen, J. D., Juhl, C., Højlund, K., Thorsteinsson, B. & Beck-Nielsen, H., 1. feb. 2019, I: Diabetes Technology & Therapeutics. 21, Suppl. 1, s. A146 1 s.

Differential methylation of the type 2 diabetes susceptibility locus KCNQ1 is associated with insulin sensitivity and is predicted by CpG site specific genetic variation

Shah, U. J., Xie, W., Flyvbjerg, A., Nolan, J. J., Højlund, K., Walker, M., Relton, C. L., Elliott, H. R. & for the RISC consortium, feb. 2019, I: Diabetes Research and Clinical Practice. 148, s. 189-199

DECODE EYE - Ocular and systemic complications in diabetic retinopathy

Grauslund, J., Suhr Thykjær, A., Stokholm, L., Højlund, K., Kawasaki, R., Møller, G., Kyvik, K. O., Dornonville de la Cour, M., Kessel, L. & Rubin, K. H., 2019.

Transcriptional and epigenetic changes influencing skeletal muscle metabolism in women with polycystic ovary syndrome

Nilsson, E., Benrick, A., Kokosar, M., Krook, A., Lindgren, E., Källman, T., Martis, M. M., Højlund, K., Ling, C. & Stener-Victorin, E., 1. dec. 2018, I: The Journal of clinical endocrinology and metabolism. 103, 12, s. 4465-4477

Human obesity is associated with enhanced insulin signaling and accelerated differentiation of bone marrow stromal stem cell leading to premature skeletal aging

Tencerova, M., Frost, M., Figeac, F., Haakonsson, A. K., Lauterlein, J.-J., Nielsen, T. K., Ali, D. A. H., Højlund, K. & Kassem, M., 1. nov. 2018, I: Journal of Bone and Mineral Research. 33, Suppl. 1, s. 216 1 s.

Lower Insulin Sensitivity in Patients With High Bone Mass due to a LRP5T253I mutation

Lauterlein, J.-J. L., Hermann, A. P., Kassem, M., Højlund, K. & Frost, M., 1. nov. 2018, I: Journal of Bone and Mineral Research. 33, Suppl. 1, s. 40 1 s.

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, I: Diabetes Care. 41, 11, s. 2396-2403

Proteomic study of skeletal muscle in obesity and type 2 diabetes: progress and potential

Kruse, R. & Højlund, K., 3. okt. 2018, I: Expert Review of Proteomics. 15, 10, s. 817-828

Mitochondria, glycogen, and lipid droplets in skeletal muscle during testosterone treatment and strength training: a randomized, double-blinded, placebo-controlled trial

Jensen, R. C., Lehman Christensen, L., Nielsen, J., Schrøder, H. D., Kvorning, T., Gejl, K. D., Højlund, K., Glintborg, D. & Andersen, M., jul. 2018, I: Andrology. 6, 4, s. 547-555

Intact regulation of muscle expression and circulating levels of myokines in response to exercise in patients with type 2 diabetes

Sabaratnam, R., Pedersen, A. J. T., Kristensen, J. M., Handberg, A., Wojtaszewski, J. F. P. & Højlund, K., 1. jun. 2018, I: *Physiological Reports*. 6, 12, 12 s., e13723.

Renal function markers and insulin sensitivity after 3 years in a healthy cohort, the EGIR-RISC study

Siméon, S., Massy, Z., Højlund, K., Lalic, K., Porcellati, F., Dekker, J., Petrie, J., Currie, G. & Balkau, B., 31. maj 2018, I: *BMC Nephrology*. 19, 12 s., 124.

Skeletal muscle O-GlcNAc transferase is important for muscle energy homeostasis and whole-body insulin sensitivity

Shi, H., Munk, A., Nielsen, T. S., Daughtry, M. R., Larsson, L., Li, S., Høyer, K. F., Geisler, H. W., Sulek, K., Kjøbsted, R., Fisher, T., Andersen, M. M., Shen, Z., Hansen, U. K., England, E. M., Cheng, Z., Højlund, K., Wojtaszewski, J. F. P., Yang, X., Hulver, M. W. & 3 flere, Helm, R. F., Treebak, J. T. & Gerrard, D. E., 1. maj 2018, I: *Molecular Metabolism*. 11, s. 160-177

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., maj 2018, I: *Diabetes Research and Clinical Practice*. 139, s. 107–113

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Aktiviteter

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

Morten Frost Munk Nielsen (Arrangør), Kurt Højlund (Arrangør), Michaela Tencerova (Arrangør) & Moustapha Kassem (Arrangør)

3. okt. 2016 → 4. okt. 2016

Lifestyle impact on mitochondrial biogenesis.

Kurt Højlund (Foredragsholder)

3. okt. 2012

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

Kurt Højlund (Oplægsholder)

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Kurt Højlund (Oplægsholder)

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

Kurt Højlund (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

Kurt Højlund (Oplægsholder)

9. maj 2008 → 11. maj 2008

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

Kurt Højlund (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.

Kurt Højlund (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

Kurt Højlund (Oplægsholder)

2008

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

Kurt Højlund (Foredragsholder)

13. maj 2007

Hypoglycemia & Insulin resistance. A novel Syndrome.

Kurt Højlund (Foredragsholder)

11. maj 2007

Priser

Young Investigators Award

Højlund, Kurt (Modtager), 11. maj 2007

Presse/medie

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

Kurt Højlund

14/04/2020

1 Mediebidrag

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

Kurt Højlund

10/05/2019

1 Mediebidrag

800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund

12/01/2022

1 Mediebidrag

800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund

12/01/2022

1 Mediebidrag

800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund

12/01/2022

1 Mediebidrag

AKTUELLE: Professorat samler diabetes-forskning

Kurt Højlund
27/11/2014
1 element af Mediedækning

Associate Professor In Endocrinology

Kurt Højlund
16/03/2019
1 Mediebidrag

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

Kurt Højlund
22/03/2021
1 Mediebidrag

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

Kurt Højlund
07/04/2021
1 Mediebidrag

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

Kurt Højlund
07/04/2021
1 Mediebidrag

Diabetesforsker bliver adjungeret professor

Kurt Højlund
23/01/2014
1 element af Mediedækning

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 element af Mediedækning

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 element af Mediedækning

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 element af Mediedækning

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 element af Mediedækning

Julekalender optaget på Fyn er kåret som Danmarks bedste

Kurt Højlund
06/01/2020
1 Mediebidrag

Julekalender optaget på Fyn er kåret som Danmarks bedste

Kurt Højlund
07/01/2020
1 Mediebidrag

Navnligt

Annette Raskov Kodahl & Kurt Højlund
20/11/2014
1 element af Mediedækning

Ni projekter får del i regeringens millionpulje til coronaforskning

Kurt Højlund
25/03/2020
1 Mediebidrag

Ny forskningsleder på diabetescenter

Kurt Højlund
31/07/2018
1 Mediebidrag

Ny forskningsleder på Steno Diabetes Center Odense

Kurt Højlund
10/08/2018
1 Mediebidrag

PRM / 800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund
12/01/2022
1 Mediebidrag

PRM / 800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund
12/01/2022
1 Mediebidrag

Professor bliver forskningsleder på Steno Diabetes Center Odense

Kurt Højlund
04/08/2018
1 Mediebidrag

SDU-forsker skal undersøge, hvorfor corona rammer nogle hårdere

Kurt Højlund
14/04/2020
1 Mediebidrag

Teaterdirektøren byder ikke velkommen i år

Kurt Højlund
03/08/2018
1 Mediebidrag

Teaterdirektøren byder ikke velkommen i år

Kurt Højlund
04/08/2018
1 Mediebidrag

Udnævnelser og forskning

Kurt Højlund

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