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Endocrinology
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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 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 Anthonson, 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 Sahebkhietari, 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).

Research outputs

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., Oct 2021, In: *Nutrients*. 13, 10, 13 p., 3407.

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

Kuhlmann, I., Nystrup, A. N., Stage, T. B., Christensen, M. M. H., Bergmann, T. K., Damkier, P., Nielsen, F., Højlund, K. & Brøsen, K., 16. Jul 2021, (E-pub ahead of print) In: *Clinical and Translational Science*.

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, In: *The Journal of clinical endocrinology and metabolism*. 106, 8, p. 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, In: *Clinical Nutrition*. 40, 4, p. 2169-2179

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, In: *Journal of Human Hypertension*. 35, 4, p. 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, In: *Ophthalmology Science*. 1, 1, p. 100011 9 p.

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, In: *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, In: *The Journal of clinical endocrinology and metabolism*. 106, 2, p. 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, In: *Diabetes Care*. 44, 1, p. 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, In: *European Journal of Ophthalmology*. 30, Suppl. 1, p. 5-6 2 p.

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, In: European Journal of Ophthalmology. 30, Suppl. 1, p. 6 1 p.

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, In: 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., Højlund, K., Rubin, K. H. & Stokholm, L., Nov 2020, In: European Journal of Ophthalmology. 30, Suppl. 1, p. 5-6 2 p.

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, In: Molecular Genetics and Genomics. 295, 5, p. 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. & Højlund, K., 1. Sep 2020, In: Diabetologia. 63, Suppl. 1, p. 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. & Højlund, K., Sep 2020, In: Diabetologia. 63, Suppl. 1, p. S98-S99 195.

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

Kruse, R., Sahebkhari, N. & Højlund, K., Aug 2020, In: International Journal of Molecular Sciences . 21, 15, 25 p., 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, In: Investigative Ophthalmology & Visual Science. 61, 7, p. 3820

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

Sylow, L., Vind, B. F., Kruse, R., Møller, P. M., Wojtaszewski, J. F. P., Richter, E. A. & Højlund, K., 1. May 2020, In: Journal of Clinical Endocrinology and Metabolism. 105, 5, p. 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., Højlund, K., Mitrakou, A., Krebs, M., Mari, A., Natali, A. & Investigators, RISC., Apr 2020, In: Metabolism. 105, 11 p., 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, In: European Journal of Ophthalmology. 30, Suppl. 1, p. 30 1 p.

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. Oct 2019, In: The Journal of clinical endocrinology and metabolism. 104, 10, p. 4804-4814

Exercise induction of key transcriptional regulators of metabolic adaptation in muscle is preserved in type 2 diabetes
Sabaratham, R., Pedersen, A. J., Eskildsen, T. V., Kristensen, J. M., Wojtaszewski, J. F. P. & Højlund, K., 1. Oct 2019, In: The Journal of clinical endocrinology and metabolism. 104, 10, p. 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. & Højlund, K., 1. Sep 2019, In: Diabetologia. 62, Suppl. 1, p. S336 1 p.

In human nephrectomy specimens, the kidney level of tubular transport proteins does not correlate with their abundance in urinary extracellular vesicles
Sabaratham, R., Geertsen, L., Skjødt, K., Højlund, K., Dimke, H., Lund, L. & Svenningsen, P., 1. Sep 2019, In: American Journal of Physiology: Renal Physiology. 317, 3, p. 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, In: Diabetes Care. 42, 8, p. 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. May 2019, In: Cell Reports. 27, 7, p. 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., Thorsteinnsson, B. & Beck-Nielsen, H., 1. Feb 2019, In: Diabetes Technology & Therapeutics. 21, Suppl. 1, p. A146 1 p.

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, In: Diabetes Research and Clinical Practice. 148, p. 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, In: The Journal of clinical endocrinology and metabolism. 103, 12, p. 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, In: Journal of Bone and Mineral Research. 33, Suppl. 1, p. 216 1 p.

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, In: Journal of Bone and Mineral Research. 33, Suppl. 1, p. 40 1 p.

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

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

Kruse, R. & Højlund, K., 3. Oct 2018, In: Expert Review of Proteomics. 15, 10, p. 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, In: Andrology. 6, 4, p. 547-555

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

Sabaratham, R., Pedersen, A. J. T., Kristensen, J. M., Handberg, A., Wojtaszewski, J. F. P. & Højlund, K., 1. Jun 2018, In: Physiological Reports. 6, 12, 12 p., 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. May 2018, In: BMC Nephrology. 19, 12 p., 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 others, Helm, R. F., Treebak, J. T. & Gerrard, D. E., 1. May 2018, In: Molecular Metabolism. 11, p. 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., May 2018, In: Diabetes Research and Clinical Practice. 139, p. 107–113

Adrenal activity and metabolic risk during randomized escitalopram or placebo treatment in PCOS

Glintborg, D., Altinok, M. L., Ravn, P., Stage, K. B., Højlund, K. & Andersen, M., 1. Mar 2018, In: Endocrine Connections. 7, 3, p. 479-489

Differential effects of age and sex on insulin sensitivity and body composition in adolescent offspring of women with type 1 diabetes: results from the EPICOM study

Lohse, Z., Knorr, S., Bytoft, B., Clausen, T. D., Jensen, R. B., Oturai, P., Beck-Nielsen, H., Gravholt, C. H., Damm, P., Højlund, K. & Jensen, D. M., Jan 2018, In: Diabetologia. 61, 1, p. 210–219

Easy, Fast, and Reproducible Quantification of Cholesterol and Other Lipids in Human Plasma by Combined High Resolution MSX and FTMS Analysis

Gallego, S. F., Højlund, K. & Ejsing, C. S., Jan 2018, In: Journal of the American Society for Mass Spectrometry. 29, 1, p. 34–41

The relationship between bone turnover and insulin sensitivity and secretion: Cross-sectional and prospective data from the RISC cohort study

Frost, M., Balkau, B., Hatunic, M., Konrad, T., Mingrone, G. & Højlund, K., 2018, In: Bone. 108, p. 98-105

Effects of insulin and exercise training on FGF21, its receptors and target genes in obesity and type 2 diabetes

Sørensen, R. K., Vienberg, S. G., Vind, B. F., Andersen, B. & Højlund, K., 1. Oct 2017, In: Diabetologia. 60, 10, p. 2042–2051

Characterization of the CLASP2 Protein Interaction Network Identifies SOGA1 as a Microtubule-Associated Protein

Sørensen, R. K., Krantz, J., Barker, N., Coletta, R., Rafikov, R., Luo, M., Hoejlund, K., Mandarino, L. J. & Langlais, P. R., Oct 2017, In: Molecular and Cellular Proteomics. 16, 10, p. 1718-1735

Autonomic nervous system activation mediates the increase in whole-body glucose uptake in response to electroacupuncture

Benrick, A., Kokosar, M., Hu, M., Larsson, M., Maliqueo, M., Marcondes, R. R., Soligo, M., Protto, V., Jerlhag, E., Sazonova, A., Behre, C. J., Højlund, K., Thorén, P. & Stener-Victorin, E., Aug 2017, In: *F A S E B Journal*. 31, 8, p. 3288-3297

MR-spectroscopy of hepatic-fat and adiponectin and leptin levels during testosterone therapy in type 2 diabetes: A randomized, double-blinded, placebo-controlled trial

Magnussen, L. V., Andersen, P. E., Diaz, A., Ostojic, J. M., Højlund, K., Hougaard, D. M., Christensen, A. N., Nielsen, T. L. & Andersen, M. S., Aug 2017, In: *European Journal of Endocrinology. Supplement*. 177, 2, p. 157-168

The heterozygous N291S mutation in the lipoprotein lipase gene impairs whole-body insulin sensitivity and affects a distinct set of plasma metabolites in humans

Berg, S. M., Havelund, J. F., Hasler-Sheetal, H., Kruse, V. H. K., Pedersen, A. J. T., Hansen, A. B., Nybo, M., Beck-Nielsen, H., Højlund, K. & Færgeman, N. J., 16. May 2017, In: *Journal of Clinical Lipidology*. 11, 2, p. 515-523.e6

Statement of Retraction. The SNARE Protein SNAP23 and the SNARE-Interacting Protein Munc18c in Human Skeletal Muscle Are Implicated in Insulin Resistance/Type 2 Diabetes. *Diabetes* 2010;59:1870-1878. DOI: 10.2337/db09-1503. PMID: 20460426

Boström, P., Andersson, L., Vind, B., Håversen, L., Rutberg, M., Wickström, Y., Larsson, E., Jansson, P-A., Svensson, M. K., Brånemark, R., Ling, C., Beck-Nielsen, H., Borén, J., Højlund, K. & Olofsson, S-O., 1. May 2017, In: *Diabetes*. 66, 5, p. 1426 1 p.

Mitochondrial phosphoproteomics of mammalian tissues

Kruse, R. & Højlund, K., Mar 2017, In: *Mitochondrion*. 33, p. 45–57

Intact initiation of autophagy and mitochondrial fission by acute exercise in skeletal muscle of patients with Type 2 diabetes

Kruse, R., Pedersen, A. J. T., Kristensen, J. M., Petersson, S. J., Wojtaszewski, J. & Højlund, K., 1. Jan 2017, In: *Clinical Science*. 131, 1, p. 37-47

Abnormal levels of adipokines in adolescent offspring of women with type 1 diabetes – Results from the EPICOM study

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Employment

Clinical Professor

KI, Steno Diabetes Center Odense
University of Southern Denmark
1. Sep 2018 → present

Visiting Researcher

KI, Endocrinology
University of Southern Denmark
1. Sep 2018 → present

Activities

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

Morten Frost Munk Nielsen (Organizer), Kurt Højlund (Organizer), Michaela Tencerova (Organizer) & Moustapha Kassem (Organizer)
3. Oct 2016 → 4. Oct 2016

Lifestyle impact on mitochondrial biogenesis.

Kurt Højlund (Lecturer)
3. Oct 2012

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

Kurt Højlund (Speaker)
30. Sep 2009 → 2. Oct 2009

Phosphoproteomic and transcriptomic characterization of mitochondrial dysfunction in insulin resistant muscle

Kurt Højlund (Lecturer)
14. Nov 2008

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

Kurt Højlund (Speaker)
16. Sep 2008 → 20. Sep 2008

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

Kurt Højlund (Speaker)

9. May 2008 → 11. May 2008

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

Kurt Højlund (Speaker)

9. May 2008 → 11. May 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 (Speaker)

9. May 2008 → 11. May 2008

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

Kurt Højlund (Lecturer)

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 (Speaker)

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 (Speaker)

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 (Lecturer)

13. May 2007

Hypoglycemia & Insulin resistance. A novel Syndrome.

Kurt Højlund (Lecturer)

11. May 2007

Prizes

Young Investigators Award

Højlund, Kurt (Recipient), 11. May 2007

Press/Media

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

Kurt Højlund

14/04/2020

1 Media contribution

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

Kurt Højlund

10/05/2019

1 Media contribution

AKTUELLE: Professorat samler diabetes-forskning

Kurt Højlund
27/11/2014
1 item of Media coverage

Associate Professor In Endocrinology

Kurt Højlund
16/03/2019
1 Media contribution

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

Kurt Højlund
22/03/2021
1 Media contribution

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

Kurt Højlund
07/04/2021
1 Media contribution

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

Kurt Højlund
07/04/2021
1 Media contribution

Diabetesforsker bliver adjungeret professor

Kurt Højlund
23/01/2014
1 item of Media coverage

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 item of Media coverage

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 item of Media coverage

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 item of Media coverage

Forskning i type 2 diabetes

Kurt Højlund
19/11/2014
1 item of Media coverage

Julekalender optaget på Fyn er kåret som Danmarks bedste

Kurt Højlund
06/01/2020
1 Media contribution

Julekalender optaget på Fyn er kåret som Danmarks bedste

Kurt Højlund

07/01/2020

1 Media contribution

Navnligt

Annette Raskov Kodahl & Kurt Højlund

20/11/2014

1 item of Media coverage

Ni projekter får del i regeringens millionpulje til coronaforskning

Kurt Højlund

25/03/2020

1 Media contribution

Ny forskningsleder på diabetescenter

Kurt Højlund

31/07/2018

1 Media contribution

Ny forskningsleder på Steno Diabetes Center Odense

Kurt Højlund

10/08/2018

1 Media contribution

Professor bliver forskningsleder på Steno Diabetes Center Odense

Kurt Højlund

04/08/2018

1 Media contribution

SDU-forsker skal undersøge, hvorfor corona rammer nogle hårdere

Kurt Højlund

14/04/2020

1 Media contribution

Teaterdirektøren byder ikke velkommen i år

Kurt Højlund

03/08/2018

1 Media contribution

Teaterdirektøren byder ikke velkommen i år

Kurt Højlund

04/08/2018

1 Media contribution

Udnævnelser og forskning

Kurt Højlund

08/08/2018

1 Media contribution

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