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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-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, AUU; 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, AUU. 2016: Andreas B. Møller, AUU; Rok Asmina, SDU (Chair); Line B Dalgaard, SDU (Chair); Sofie H. Rønn, AAU. 2017: Thomas Voss, AUU; Annett H Rasmussen, SDU (Chair). 2018: Ditte Søgaard, KU; Peter Breining, AAU; Mads Svart, AUU. Anders V. Edhager, AUU. 2019: Marianne K. Poulsen, AUU; Anne L. Christiansen, SDU (Chair). 2020: Mette J. Riis-Vestergaard, AUU.

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 Sahebkhari, 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, AUU

2012-2014: Courses at 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

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., Dec 2023, In: Science Advances. 9, 48, p. 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, In: Acta Diabetologica. 60, 11, p. 1531-1539

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

Thykjaer, 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, In: Acta Ophthalmologica. 101, 7, p. 783-788

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., Sept 2023, In: Diabetologia. 66, 9, p. 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., Sept 2023, In: Ophthalmology Science. 3, 3, 9 p., 100291.

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., 24. Aug 2023, (E-pub ahead of print) In: Journal of Diabetes and Its Complications. 37, 10, p. 108589

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, In: Cardiovascular Diabetology. 22, 10 p., 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., Glinthorg, 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, In: 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, In: British Journal of Clinical Pharmacology. 89, 8, p. 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, In: Acta Ophthalmologica. 101, 5, p. 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, In: Diabetes Care. 46, 8, p. 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, In: Proceedings of the National Academy of Sciences (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, In: The Journal of clinical endocrinology and metabolism. 108, 7, p. 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, In: 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, In: Acta Ophthalmologica. 101, 4, p. 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, In: 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 others 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., Kårhús, L. L., Kleber, M. E., Kovacs, P., Lakka, T. A., Lauzon, M., Lee, I. T., Lindgren, C. M., Lindström, J., Hansen, T. & The Meta-Analysis of Glucose and Insulin-related Traits Consortium (MAGIC), Jun 2023, In: Nature Genetics. 55, 6, p. 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. May 2023, In: The Journal of Physiology. 601, 10, p. 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, In: The Lancet Diabetes and Endocrinology. 11, 3, p. 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, In: Acta Ophthalmologica. 101, 2, p. 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 others 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, In: American Journal of Human Genetics. 110, 2, p. 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

Domazet, S. L., Tarp, J., Thomsen, R. W., Højlund, K., Stidsen, J. V., Brønd, J. C., Grøntved, A. & Nielsen, J. S., 25. Jan 2023, In: *Frontiers in Sports and Active Living*. 4, 11 p., 1089579.

Altered intramuscular network of lipid droplets and mitochondria in type 2 diabetes

de Almeida, M. E., Nielsen, J., Petersen, M. H., Wentorf, E. K., Pedersen, N. B., Jensen, K., Højlund, K. & Ørtenblad, N., 1. Jan 2023, In: *American Journal of Physiology: Cell Physiology*. 324, 1, p. C39-C57

Effect of Calorie-Unrestricted Low-Carbohydrate, High-Fat Diet Versus High-Carbohydrate, Low-Fat Diet on Type 2 Diabetes and Nonalcoholic Fatty Liver Disease: A Randomized Controlled Trial

Hansen, C. D., Gram-Kampmann, E-M., Hansen, J. K., Hugger, M. B., Madsen, B. S., Jensen, J. M., Olesen, S., Torp, N., Rasmussen, D. N., Kjærgaard, M., Johansen, S., Lindvig, K. P., Andersen, P., Thorhauge, K. H., Brønd, J. C., Hermann, P., Beck-Nielsen, H., Detlefsen, S., Hansen, T., Højlund, K., & 3 others Thiele, M. S., Israelsen, M. & Krag, A., Jan 2023, In: *Annals of Internal Medicine*. 176, 1, p. 10-21

Development of Diabetic Retinopathy in Relation to Bariatric Surgery: A Nationwide Study

Thykjær, A., Rosengaard, L., Højlund, K., Kawasaki, R., Stokholm, L. & Grauslund, J., 2023, In: *European Journal of Ophthalmology*. 33, 1 Suppl., p. 6 1 p.

Onset and Progression of Diabetic Retinopathy Within Eight Years in Type 1 Diabetes in the Danish Registry of Diabetic Retinopathy

Grauslund, J., Pedersen, F. N., Dinesen, S., Højlund, K., Möller, S., Thykjær, A. & Stokholm, L., 2023, In: *European Journal of Ophthalmology*. 33, 1 suppl., p. s1-30

Onset and progression of diabetic retinopathy within eight years in 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. N., Heegaard, S., Højlund, K., Laugesen, C. S., Kawasaki, R., Möller, S., Schielke, K. C., Thykjær, A. & Stokholm, L., 2023, In: *Investigative Ophthalmology & Visual Science*. 64, 8, 539.

High-intensity interval training combining rowing and cycling efficiently improves insulin sensitivity, body composition and VO₂max in men with obesity and type 2 diabetes

Petersen, M. H., de Almeida, M. E., Wentorf, E. K., Jensen, K., Ørtenblad, N. & Højlund, K., 1. Nov 2022, In: *Frontiers in Endocrinology*. 13, 1032235.

Attendance in a national screening program for diabetic retinopathy: a population-based study of 205,970 patients

Thykjær, A. S., Andersen, N., Bek, T., Heegaard, S., Hajari, J., Laugesen, C. S., Möller, S., Pedersen, F. N., Rosengaard, L., Schielke, K. C., Kawasaki, R., Højlund, K., Rubin, K. H., Stokholm, L. & Grauslund, J., Nov 2022, In: *Acta Diabetologica*. 59, 11, p. 1493-1503

Svær overvægt og metabolisk syndrom

Højlund, K., 17. Oct 2022, In: *Ugeskrift for Læger*. 184, 20A, V205130.

Risk of severe COVID-19 infection in persons with diabetes during the first and second waves in Denmark: A nationwide cohort study

Stidsen, J. V., Green, A., Rosengaard, L. & Højlund, K., 11. Oct 2022, In: *Frontiers in Endocrinology*. 13, 12 p., 1025699.

A LOW CARBOHYDRATE HIGH FAT DIET IMPROVES LIPID SPECIES LINKED TO A FAVORABLE METABOLIC PROFILE COMPARED TO A LOW-FAT DIET IN PEOPLE WITH TYPE 2 DIABETES AND NAFLD

Dalby Hansen, C., Trost, K., Gao, Q., Juel, H. B., Gram-Kampmann, E., Hansen, J. K., Balle Hugger, M., Møller Jensen, J., Johansen, S., Torp, N. C., Højlund, K., Israelsen, M. E., Hansen, T., Moritz, T. & Krag, A., 1. Oct 2022, In: *Hepatology*. 76, Suppl. 1

A six-month low-carbohydrate diet high in fat in patients with type 2 diabetes does not affect the vasodilatory reactivity of the brachial artery

Gram-Kampmann, E., Olesen, T. B., Dalby Hansen, C., Balle Hugger, M., Møller Jensen, J., Hermann, A. P., Olsen, M. H., Krag, A., Beck-Nielsen, H. & Højlund, K., 23. Sept 2022, In: Diabetologia. 65, Suppl. 1, 1 p., 827.

Epigenetic and transcriptomic alterations in offspring born to women with type 1 diabetes (the EPICOM study)

Knorr, S., Skakkebæk, A., Just, J., Johannsen, E. B., Trolle, C., Vang, S., Lohse, Z., Bytoft, B., Damm, P., Højlund, K., Jensen, D. M. & Gravholt, C. H., 23. Sept 2022, In: BMC Medicine. 20, 16 p., 338.

Risk of cardiovascular events associated with pathophysiological phenotypes of type 2 diabetes

Stidsen, J. V., Christensen, D. H., Henriksen, J. E., Højlund, K., Olsen, M. H., Thomsen, R. W., Christensen, L. B., Nielsen, J. S., Olesen, T. B. & Beck-Nielsen, H., 1. Aug 2022, In: European Journal of Endocrinology. 187, 2, p. 279-291

Investigation of the correlation between diabetic retinopathy and prevalent and incident migraine in a national cohort study

Vergmann, A. S., Stokholm, L., Rubin, K. H., Thykjær, A., Möller, S., Laugesen, C. S., Heegaard, S., Højlund, K., Kawasaki, R., Schielke, K. C. & Grauslund, J., 20. Jul 2022, In: Scientific Reports. 12, 8 p., 12443.

A non-calorie restricted low carbohydrate high fat diet improves non-alcoholic fatty liver disease (NAFLD) activity score (NAS) and HbA1c in type 2 diabetes: a six-month randomised controlled trial

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Employment

Department of Clinical Research

SDU

1. Jun 2021 → present

Clinical Professor

KI, OUH, Research unit of SDCO - Steno Diabetes Center Odense

SDU

1. Jun 2021 → present

Activities

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

Eva Gram-Kampmann (Author), Camilla Dalby Hansen (Co-author), Mie Balle Hugger (Co-author), Jane Møller Jensen (Co-author), Jan Christian Brønd (Co-author), Anne Pernille Hermann (Co-author), Michael Hecht Olsen (Co-author), Aleksander Krag (Co-author), Henning Beck-Nielsen (Co-author) & Kurt Højlund (Co-author)

21. Sept 2020 → 25. Sept 2020

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

Eva Gram-Kampmann (Speaker), Camilla Dalby Hansen (Co-author), Michael Hecht Olsen (Co-author), Aleksander Krag (Co-author), Henning Beck-Nielsen (Co-author) & Kurt Højlund (Co-author)

17. Jan 2020 → 18. Jan 2020

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. Sept 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. Sept 2008 → 20. Sept 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

800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund

12/01/2022

1 Media contribution

800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund

12/01/2022

1 Media contribution

800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund

12/01/2022

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

PRM / 800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund
12/01/2022
1 Media contribution

PRM / 800.000 kr. skal kickstarte nye forskerkarrierer

Kurt Højlund

12/01/2022

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