

Rikke Kruse
KI, Steno Diabetes Center Odense
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Undervisningsportfolio

Undervisning

2013: Instruktør på "Modul 2 - fra celle til individ" for 1. semesters medicinstuderende, Syddansk Universitet, Odense
2009-2010: Instruktør på "Basal Biologi" (1. semester) samt på "Basal Biokemi" (3. semester) for studerende på det Naturvidenskabelige Fakultet, Syddansk Universitet, Odense

Populærvidenskabelig formidling

2012: Forelæsning med titlen "Brunt og hvidt er ikke ét fedt" ved Folkeuniversitetet, Odense
2012: Henriksen, RK: Hvidt og Brunt er ikke ét fedt, *Aktuel Naturvidenskab*, 02-2012

Administrative opgaver

2013-2014: Styregruppen for Sund PhD Club, en organisation for ph.d. studerende ved det Sundhedsvidenskabelige Fakultet, Syddansk Universitet, Odense
2013-2014: Institutråd ved Klinisk Institut, Syddansk Universitet, Odense

Publikationer

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.

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, I: *Diabetologia*. 63, Suppl. 1, s. 15-16 27.

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.

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. maj 2020, I: *Journal of Clinical Endocrinology and Metabolism*. 105, 5, s. 1343–1354

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

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. okt. 2017, I: *Diabetologia*. 60, 10, s. 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., Højlund, K., Mandarino, L. J. & Langlais, P. R., okt. 2017, I: *Molecular and Cellular Proteomics*. 16, 10, s. 1718-1735

Mitochondrial phosphoproteomics of mammalian tissues

Kruse, R. & Højlund, K., mar. 2017, I: *Mitochondrion*. 33, s. 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, I: *Clinical Science*. 131, 1, s. 37-47

Autophagy in skeletal muscle of obesity and type 2 diabetes

Sørensen, R. K., 2016, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

Markers of autophagy are adapted to hyperglycaemia in skeletal muscle in type 2 diabetes

Sørensen, R. K., Vind, B. F., Petersson, S. J., Kristensen, J. M. & Højlund, K., 2015, I: *Diabetologia*. 58, 9, s. 2087-2095

Effect of testosterone on markers of mitochondrial oxidative phosphorylation and lipid metabolism in muscle of aging men with subnormal bioavailable testosterone

Petersson, S. J., Frederiksen, L., Kristensen, J. M., Kruse, R., Skovsager Andersen, M. & Højlund, K., jul. 2014, I: *European Journal of Endocrinology*. 171, 1, s. 77-88 12 s.

Autophagy in skeletal muscle of patients with type 2 diabetes

Henriksen, R. K., Kristensen, J. M., Petersson, S. J., Vind, B. F. & Højlund, K., 1. okt. 2013.

The Effect of Androgen Therapy on Genes and Proteins Involved in Oxidative Phosphorylation and Lipid Metabolism in Skeletal Muscle of Men with Subnormal Testosterone Levels

Petersson, S. J., Frederiksen, L., Kristensen, J. M., Henriksen, R. K., Andersen, M. & Højlund, K., 21. jun. 2013.

The Effect of Androgen Therapy on Genes and Proteins Involved in Oxidative Phosphorylation and Lipid Metabolism in Skeletal Muscle of Men With Subnormal Testosterone Levels

Petersson, S. J., Frederiksen, L., Kristensen, J. M., Henriksen, R. K., Andersen, M. & Højlund, K., 21. jun. 2013.

Functional loss of two ceramide synthases elicits autophagy-dependent lifespan extension in *C. elegans*

Mosbech, M-B., Kruse, R., Harvald, E. B., Olsen, A. S. B., Gallego, S. F., Hannibal-Bach, H. K., Ejsing, C. S. & Færgeman, N. J., 2013, I: *PLoS ONE*. 8, 7, 12 s., e70087.

Autophagy in Differentiating Adipocytes

Henriksen, R. K. & Færgeman, N. J., 16. jun. 2012. 1 s.

Studies of autophagy in relation to insulin resistance, mitochondrial function, and lipid accumulation in human skeletal muscle

Henriksen, R. K., Kristensen, J. M., Petersson, S. J. & Højlund, K., 12. maj 2012. 1 s.

Brunt og hvidt er ikke et fedt

Henriksen, R. K., 10. maj 2012, I: *Aktuel Naturvidenskab*. 2, 2012, s. 40 43 s.

Aktiviteter

Oral presentation, 52nd Annual meeting of the Scandinavian Society for the Study of Diabetes (SSSD)

Rikke Kruse (Underviser)

2017

Poster presentation, International Symposium on Insulin Receptor and Insulin Action, Nice, France

Rikke Kruse (Underviser)

2017

Science i Syddanmark

Rikke Kruse (Underviser)

2017

Type 2 diabetes og træning

Rikke Kruse (Underviser)

2017

Poster presentation, 76th annual meeting in the American Diabetes Association (ADA), New Orleans, LA
Rikke Kruse (Underviser)
2016

Abstract accepted for oral presentation at the 75th annual meeting in the ADA, Boston, MA
Rikke Kruse (Underviser)
2015

Oral presentation at the annual meeting in The Danish Endocrine Society, Odense, Denmark
Rikke Kruse (Underviser)
2015

Poster presentation, 2nd Annual meeting in the Nordic Autophagy Network, Middelfart, Denmark
Rikke Kruse (Underviser)
2013

Poster, including audio guided poster tour, 73rd annual meeting in the ADA, Chicago, IL, USA
Rikke Kruse (Underviser)
2013

Brunt og hvidt er ikke et fedt: Foredrag ved Folkeuniversitetet, Odense
Rikke Kruse Sørensen (Foredragsholder)
6. nov. 2012

Autophagy in differentiating adipocytes and in human skeletal muscles
Rikke Kruse Sørensen (Foredragsholder)
16. jun. 2012

Studies of autophagy in relation to insulin resistance, mitochondrial function, and lipid accumulation in human skeletal muscle
Rikke Kruse Sørensen (Foredragsholder)
12. maj 2012

Nordic autophagy network (Ekstern organisation)
Rikke Kruse Sørensen (Medlem)
2. jan. 2012 → ...