

List of publications 2018

1. Hornstrup T, Lowenstein FT, Larsen MA, Helge EW, Povoas S, **Helge JW**, Nielsen JJ, Fristrup B, Andersen JL, Gliemann L, Nybo L, & Krstrup P (2018). Cardiovascular, muscular, and skeletal adaptations to recreational team handball training: a randomized controlled trial with young adult untrained men. *Eur J Appl Physiol*.
2. Johansen ML, Schou M, Rasmussen J, Rossignol P, Holm MR, Chabanova E, **Dela F**, Faber J, & Kistorp C (2018). Low N-terminal pro-brain natriuretic peptide levels are associated with non-alcoholic fatty liver disease in patients with type 2 diabetes. *Diabetes Metab*.
3. **Hansen M, Kuhlman AB, Sahl RE, Kelly B, Morville T, Dohlmann TL, Chrois KM, Larsen S, Helge JW, & Dela F** (2018). Inflammatory biomarkers in patients in Simvastatin treatment: No effect of co-enzyme Q10 supplementation. *Cytokine*.
4. Hornstrup T, Wikman JM, Fristrup B, Povoas S, Helge EW, Nielsen SH, **Helge JW**, Andersen JL, Nybo L, & Krstrup P (2018). Fitness and health benefits of team handball training for young untrained women-A cross-disciplinary RCT on physiological adaptations and motivational aspects. *J Sport Health Sci* 7, 139-148.
5. Hagman M, Helge EW, Hornstrup T, Fristrup B, Nielsen JJ, Jorgensen NR, Andersen JL, **Helge JW**, & Krstrup P (2018). Bone mineral density in lifelong trained male football players compared with young and elderly untrained men. *J Sport Health Sci* 7, 159-168.
6. **Dohlmann TL, Morville T, Kuhlman AB, Chrois KM, Helge JW, Dela F, & Larsen S** (2018). Statin treatment decreases mitochondrial respiration but muscle coenzyme Q10 levels are unaltered: The LIFESTAT study. *J Clin Endocrinol Metab*.
7. Nielsen B, Cejvanovic V, Wortwein G, Hansen AR, Marstal KK, Weimann A, Bjerring PN, **Dela F**, Poulsen HE, & Jorgensen MB (2018). Increased oxidation of RNA despite reduced mitochondrial respiration after chronic electroconvulsive stimulation of rat brain tissue. *Neurosci Lett* 690, 1-5.
8. **Larsen S, Vigelso A, Dandanell S, Prats C, Dela F, & Helge JW** (2018). Simvastatin-Induced Insulin Resistance May Be Linked to Decreased Lipid Uptake and Lipid Synthesis in Human Skeletal Muscle: the LIFESTAT Study. *J Diabetes Res* 2018, 9257874.
9. **Kuhlman AB, Morville T, Dohlmann TL, Hansen M, Kelly B, Helge JW, & Dela F** (2018). Coenzyme Q10 does not improve peripheral insulin sensitivity in statin-treated men and women; the LIFESTAT study. *Appl Physiol Nutr Metab*.

10. **Sogaard D**, Baranowski M, **Dela F**, & **Helge JW** (2018). The influence of age and cardiorespiratory fitness on bioactive lipids in muscle. *J Gerontol A Biol Sci Med Sci*.
11. **Vest SD**, **Frandsen J**, **Larsen S**, **Dela F**, & **Helge JW** (2018). Peak Fat Oxidation is not Independently Related to Ironman Performance in Women. *Int J Sports Med* **39**, 916-923.
12. **Dohmann TL**, **Hindso M**, **Dela F**, **Helge JW**, & **Larsen S** (2018). High-intensity interval training changes mitochondrial respiratory capacity differently in adipose tissue and skeletal muscle. *Physiol Rep* **6**, e13857.
13. **Larsen S**, Lundby AM, **Dandanell S**, Oberholzer L, Keiser S, Andersen AB, Haider T, & Lundby C (2018). Four days of bed rest increases intrinsic mitochondrial respiratory capacity in young healthy males. *Physiol Rep* **6**, e13793.
14. **Dandanell S**, Meinild-Lundby AK, Andersen AB, Lang PF, Oberholzer L, Keiser S, Robach P, **Larsen S**, Ronnestad BR, & Lundby C (2018). Determinants of maximal whole-body fat oxidation in elite cross-country skiers: Role of skeletal muscle mitochondria. *Scand J Med Sci Sports* **28**, 2494-2504.
15. **Morville T**, **Sahl RE**, Trammell SA, Svenningsen JS, Gillum MP, **Helge JW**, & Clemmensen C (2018). Divergent effects of resistance and endurance exercise on plasma bile acids, FGF19, and FGF21 in humans. *JCI Insight* **3**.
16. Uth J, Fristrup B, Haahr RD, Brasso K, **Helge JW**, Rorth M, Midtgaard J, Helge EW, & Krstrup P (2018). Football training over 5 years is associated with preserved femoral bone mineral density in men with prostate cancer. *Scand J Med Sci Sports* **28** Suppl 1, 61-73.
17. **Sahl RE**, **Morville T**, **Kraunsoe R**, **Dela F**, **Helge JW**, & **Larsen S** (2018). Variation in mitochondrial respiratory capacity and myosin heavy chain composition in repeated muscle biopsies. *Anal Biochem* **556**, 119-124.
18. Krstrup P, Williams CA, Mohr M, Hansen PR, Helge EW, Elbe AM, de SM, Dvorak J, Junge A, Hammami A, Holtermann A, Larsen MN, Kirkendall D, Schmidt JF, Andersen TR, Buono P, Rorth M, Parnell D, Ottesen L, Bennike S, Nielsen JJ, Mendham AE, Zar A, Uth J, Hornstrup T, Brasso K, Nybo L, Krstrup BR, Meyer T, Aagaard P, Andersen JL, Hubball H, Reddy PA, Ryom K, Lobelo F, Barene S, **Helge JW**, Fatouros IG, Nassis GP, Xu JC, Pettersen SA, Calbet JA, Seabra A, Rebelo AN, Figueiredo P, Povoas S, Castagna C, Milanovic Z, Bangsbo J, Randers MB, & Brito J (2018). The "Football is Medicine" platform-scientific evidence, large-scale

implementation of evidence-based concepts and future perspectives. *Scand J Med Sci Sports* 28 Suppl 1, 3-7.

19. **Kristensen MD**, Petersen SM, Moller KE, **Lund MT**, **Hansen M**, **Hansen CN**, **Courraud J**, **Helge JW**, **Dela F**, & **Prats C** (2018). Obesity leads to impairments in the morphology and organization of human skeletal muscle lipid droplets and mitochondrial networks, which are resolved with gastric bypass surgery-induced improvements in insulin sensitivity. *Acta Physiol (Oxf)* **224**, e13100.
20. **Morville T**, Rosenkilde M, Mattsson N, **Dela F**, **Helge JW**, & Rasmussen HK (2018). 2706 km cycling in 2 weeks: effects on cardiac function in 6 elderly male athletes. *Phys Sportsmed* **46**, 263-268.
21. Elbe AM, Elsborg P, **Dandanell S**, & **Helge JW** (2018). Correlates and predictors of obesity-specific quality of life of former participants of a residential intensive lifestyle intervention. *Obes Sci Pract* **4**, 188-193.
22. Kim Y, White T, Wijndaele K, Westgate K, Sharp SJ, **Helge JW**, Wareham NJ, & Brage S (2018). The combination of cardiorespiratory fitness and muscle strength, and mortality risk. *Eur J Epidemiol* **33**, 953-964.
23. **Prats C**, Graham TE, & Shearer J (2018). The dynamic life of the glycogen granule. *J Biol Chem* **293**, 7089-7098.
24. **Lund MT**, **Larsen S**, **Hansen M**, **Courraud J**, Floyd AK, Stockel M, **Helge JW**, & **Dela F** (2018). Mitochondrial respiratory capacity remains stable despite a comprehensive and sustained increase in insulin sensitivity in obese patients undergoing gastric bypass surgery. *Acta Physiol (Oxf)* **223**, e13032.
25. Gjodesen CU, Jorgensen ME, Bjerregaard P, Dahl-Petersen IK, Larsen CVL, Noel M, Melbye M, Cohen AS, Lundqvist M, Hougaard DM, **Helge JW**, & Nielsen NO (2018). Associations between vitamin D status and atherosclerosis among Inuit in Greenland. *Atherosclerosis* 268, 145-151.
26. Agerholm M, Dall M, Jensen BAH, **Prats C**, Madsen S, Basse AL, Graae AS, Risis S, Goldenbaum J, Quistorff B, **Larsen S**, Vienberg SG, & Treebak JT (2018). Perturbations of NAD(+) salvage systems impact mitochondrial function and energy homeostasis in mouse myoblasts and intact skeletal muscle. *Am J Physiol Endocrinol Metab* 314, E377-E395.
27. **Sogaard D**, **Lund MT**, **Scheuer CM**, **Dehlbaek MS**, **Dideriksen SG**, **Abildskov CV**, **Christensen KK**, **Dohlmann TL**, **Larsen S**, **Vigelso AH**, **Dela F**, & **Helge JW**

- (2018). High-intensity interval training improves insulin sensitivity in older individuals. *Acta Physiol (Oxf)* **222**, e13009.
28. Thomsen K, **Yokota T**, Hasan-Olive MM, Sherazi N, Fakouri NB, Desler C, Regnell CE, **Larsen S**, Rasmussen LJ, **Dela F**, Bergersen LH, & Lauritzen M (2018). Initial brain aging: heterogeneity of mitochondrial size is associated with decline in complex I-linked respiration in cortex and hippocampus. *Neurobiol Aging* **61**, 215-224.
29. Gasbjerg LS, Christensen MB, Hartmann B, Lanng AR, Sparre-Ulrich AH, Gabe MBN, **Dela F**, Vilsboll T, Holst JJ, Rosenkilde MM, & Knop FK (2018). GIP(3-30)NH2 is an efficacious GIP receptor antagonist in humans: a randomised, double-blinded, placebo-controlled, crossover study. *Diabetologia* **61**, 413-423.
30. Meinild Lundby AK, Jacobs RA, Gehrig S, de LJ, Hauser M, Bonne TC, Fluck D, **Dandanell S**, Kirk N, Kaech A, Ziegler U, **Larsen S**, & Lundby C (2018). Exercise training increases skeletal muscle mitochondrial volume density by enlargement of existing mitochondria and not de novo biogenesis. *Acta Physiol (Oxf)* **222**.
31. **Guadalupe-Grau A**, Fernandez-Elias VE, Ortega JF, **Dela F**, **Helge JW**, & Mora-Rodriguez R (2018). Effects of 6-month aerobic interval training on skeletal muscle metabolism in middle-aged metabolic syndrome patients. *Scand J Med Sci Sports* **28**, 585-595.
32. **Morville T**, **Dohlmann T**, **Kuhlman AB**, **Monberg T**, **Torp M**, Hartmann B, Holst JJ, **Larsen S**, **Helge JW**, **Dela F**. Glucose homeostasis in statin users - the LIFESTAT study. *Diabetes Metab Res Rev.* 2018
33. Finkenzeller T, Potzelsberger B, Kusters A, Wurth S, Amesberger G, **Dela F**, Muller E. Ageing in high functioning elderly persons: study design and analyses of behavioural and psychological factors. *Scand J Med Sci Sports*. In press, 2018
34. **Dela F**, Finkenzeller T, Ingersen A, Potzelsberger B, Muller E. Trajectories of cardio-metabolic health in successful ageing. *Scand J Med Sci Sports*. In press 2018.
35. **Dela F**, Ingersen A, Andersen NB, Nielsen MB, **Petersen HHH**, **Hansen CN**, **Larsen S**, Wojtasewski J, **Helge, JW**. Effects of one-legged High-intensity Interval Training on insulin-mediated skeletal muscle glucose homeostasis in patients with type 2 diabetes. *Acta Physiologica*. In press 2018.