

## **List of publications Xlab 2007**

1. Stallknecht, B., Dela, F., Helge, J.W. Are blood flow and lipolysis in subcutaneous adipose tissue influenced by contractions in adjacent muscles in humans? *Am J Physiol Endocrinol Metab*, 292:394-399, 2007.
2. Boushel, R., Gnaiger, E., Schjerling, P., Skovbro, M., Kraunsøe, R., Dela, F. Patients with type 2 diabetes have normal mitochondrial function in skeletal muscle. *Diabetologia*, 50(4):790-796, 2007.
3. Skov-Jensen, C., Skovbro, M., Flint, A., Helge, J.W., Dela, F. Contraction-mediated glucose uptake is increased in men with impaired glucose tolerance. *Appl.Physiol.Nutr.Metab*, 32:115-124, 2007.
4. Haugaard, S.B., Andersen, O., Madsbad, S., Iversen, J. and Dela F. Glucose production, oxidation and disposal correlate with plasma lactate levels in HIV-infected patients on HAART. *J Infect*, 54, 89-97, 2007.
5. Hütter, E., Skovbro, M., Lener, B., Prats, C., Rabøl, R., Dela, F. and Jansen-Dürr, P. Oxidative stress and mitochondrial impairment can be separated from liposucin accumulation in aged human skeletal muscle. *Aging Cell*, 6(2): 245-256, 2007.
6. Dela, F. Other adaptations to training/inactivity in type 2 diabetes and other groups with insulin resistance: emphasis and prevention of CHD. *Appl Physiol Nutr Metab*, 32: 602-606, 2007.
7. Helge, J.W., Bentley, D., Schjerling, P., Willer, M., Gibala, M.J., Franch, J., Tapia-Lalena, A., Dagaard, J.R., Andersen, J.L. Four weeks one-leg training and high fat diet does not alter PPAR $\alpha$  protein or mRNA expression in human skeletal muscle. *Eur J Appl Physiol*, 101(1):105-14, 2007.
8. Helge, J.W., Rehrer, N.J., Pilegaard, H., Manning, P., Lucas, S.J.E., Gerrard, D.F. Increased fat oxidation and regulation of metabolic genes with ultraendurance exercise. *Acta Physiol*, 191(1):77-86, 2007.
9. Helge, J.W., Damsgaard, R. Overgaard, K., Andersen, J.L., Donsmark, M., Dyrskog, S.E., Hermansen, K., Saltin, B., Dagaard, J.R. Low-intensity training dissociates metabolic from aerobic fitness. *Scan J Med Sci Sports*, 18(1):86-94, 2007.
10. Helge, J.W., Stallknecht, B., Richter, E.A., Galbo, H., Kiens, B. Muscle metabolism during graded quadriceps exercise in man. *J Physiol*, 581.3, 1247-1258, 2007.
11. Mølgaard, C., Dela, F., Froberg, K., Heitmann, B.L., Holm, L., Holstein, B.E., Jørgensen, K., Madsen, S.A., Richelsen, B. and Tetens, I. Forebyggelse af overvægt hos børn og unge – oplæg til strategi. *Ugeskr Læger*, 169/24: 2314-2316, 2007.

12. Eriksen, L., Dahl-Petersen, I., Haugaard, S.B., Dela, F. Comparison of the effect of multiple short-duration with single long-duration exercise sessions on glucose homeostasis in type 2 diabetes mellitus. *Diabetologia*, 50(11):2245-53, 2007.
13. Thomsen, J.J., Rentsch, R.L., Robach, P., Calbet, J.A., Boushel, R., Rasmussen, P., Juel, C., Lundby, C. Prolonged administration of recombinant human erythropoietin increases submaximal performance more than maximal aerobic capacity. *Eur J Appl Physiol*, 101(4):481-6, 2007.
14. Lundby, C., Thomsen, J.J., Boushel, R., Koskolou, M., Warberg, J., Calbet, J.A.L., Robach, P. Erythropoietin treatment elevates haemoglobin concentration by increasing red cell volume and depressing plasma volume. *J Physiol*, 578.1:309-314, 2007.
15. Calbet, J.A.L., Gonzalez-Alonso, J., Helge, J.W., Søndergaard, H., Munch-Andersen, T., Boushel, R., Saltin, B. Cardiac output and leg and arm blood flow during incremental exercise to exhaustion on the cycle ergometer. *J Appl Physiol*, 103(3):969-78, 2007
16. Sonne, M.P., Scheede-Bergdahl, C., Olsen, D.B., Højbjerg, L., Alibegovic, A., Nielsen, N.B., Stallknecht, B., Helge, J.W., Vaag, A., Dela, F. Effects of physical training on endothelial function and limb blood flow in type 2 diabetes. *Appl Physiol Nutr Metab*, 32: 936-941, 2007.
17. Battram, D.S., Graham, T.E., Dela, F. Caffeine's impairment of insulin-mediated glucose disposal cannot be solely attributed to adrenaline in humans. *J Physiol*, 533.3: 1069-1077, 2007.
18. Bruun, J.M., Stallknecht, B., Helge, J.W., Richelsen, B. Interleukin-18 in plasma and adipose tissues: effects of obesity, insulin resistance, and weight loss. *Eur Jour of Endocrin*, 157: 465-471, 2007.
19. Lauritzen, H.P.M.M., Ploug, T., Hua, A., Donsmark, M., Prats, C., Galbo, H. Denervation and high-fat diet reduce insulin-signalling in t-tubules in skeletal muscle of living mice. *Diabetes*, 57(1):13-23, 2007.
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21. Lundby, C., Boushel, R., Robach, P., Møller, K., Saltin, B., Calbet, J.A. During hypoxic exercise some vasoconstriction is needed to match O<sub>2</sub> delivery with O<sub>2</sub> demand at the microcirculatory level. *J Physiol*, 586(1):123-30, 2007.
22. Heinonen, I., Nesterov, S.V., Kemppainen, J., Nuutila, P., Knuuti, J., Laitio, R., Kjaer, M., Boushel, R., Kalliokoski, K.K. Role of adenosine in regulating the heterogeneity of skeletal muscle blood flow during exercise in humans. *J Appl Physiol*, 103(6):2042-8, 2007.