

## Publications Xlab 2011

1. Davidsen, P.K., Gallagher, I.J., Hartman, J.W., Tarnopolsky, M.A., Dela, F., Helge, J.W., Timmons, J.A., Philips, S.M. High responders to resistance exercise training demonstrate differential regulation of skeletal muscle microRNA expression. *Journal of Applied Physiology*, 110(2): 309-317, 2011.
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3. Niederseer, D., Ledl-Kurkowski, E., Kvita, K., Patsch, W., Dela, F., Müller, E., Niebauer, J. Changes in cardiovascular risk factors through skiing in the elderly. *Scandinavian Journal of Medicine and Science in Sports*, 21(suppl 1):47-55, 2011.
4. Dela, F., Niederseer, D., Patsch, W., Pirich, C., Müller, E., Niebauer, J. Glucose homeostasis and cardiovascular disease biomarkers in older alpine skiers. *Scandinavian Journal of Medicine and Science in Sports*, 21(suppl 1):56-61, 2011.
5. Larsen, S., Stride, N., Hey-Mogensen, M., Hansen, C.N., Andersen, J.L., Madsbad, S., Worm, D., Helge, J.W., Dela, F. Increased mitochondrial substrate sensitivity in skeletal muscle in patients with type 2 diabetes. *Diabetologia*. 54(6): 1427-1436, 2011.
6. Skovbro, M., Boushel, R., Hansen, C.H., Helge, J.W., Dela, F. High fat feeding inhibits exercise induced increase in mitochondrial respiratory flux in skeletal muscle. *Journal of Applied Physiology*, 110: 1607-1614, 2011.
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9. Sonne, M.P., Højbjerg, L., Alibegovic, A.C., Nielsen, L.B., Stallknecht, B.M., Vaag, A.A., and Dela, F. Endothelial function after 10 days of bed rest in individuals at risk for type 2 diabetes and cardiovascular disease. *Experimental Physiology*. 96(10): 1000-1009, 2011.
10. Rabol, R., Svendsen, P.F., Skovbro, M., Boushel, R., Schjerling, P., Nilas, L., Madsbad, S. and Dela, F.. Skeletal Muscle Mitochondrial Function in Polycystic Ovarian Syndrome. *European Journal of Endocrinology*. 165(4): 631-637, 2011.
11. Højbjerg, L., Sonne, M.P., Alibegovic, A.C., Nielsen, N.B., Dela, F., Vaag, A., Bruun, J.M. and Stallknecht, B. Impact of physical inactivity on adipose tissue low-grade inflammation in first-degree relatives of type 2 diabetic patients. *Diabetes Care*, 34(10): 2265-2272, 2011.

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17. Eriksen, L., Grønbæk, M., Helge, J.W., Tolstrup, J.S., Curtis, T. The Danish Health Examination Survey 2007-2008 (DANHES 2007-2008), *Scand. J. Public Health*, 39(2):203-11, 2011.
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21. Vind, B.F., Pehmøller, C., Treebak, J.T., Birk, J.B., Hey-Mogensen, M., Beck-Nielsen, H., Zierath, J.R., Wojtaszewski, J.F., Højlund, K. Impaired insulin-induced site-specific phosphorylation of TBC1 domain family member 4 (TBC1D4) in skeletal muscle of type 2 diabetes patients is restored by endurance exercise-training. *Diabetologia*, 54(1):157-67, 2011.
22. Chapter 28 "A primer on systems biology, as applied to exercise physiology and metabolism". James A. Timmons, Ph.D. and <sup>2</sup>Jorn W. Helge, Ph.D. (In IOC volume; *Encyclopaedia of Sports Medicine* - "Genetic and Molecular Aspects of Sport Performance", ISBN 978-1-4443-3445-6. Page 309-318. 2011.

23. Prats, C., Gómez-Cabello, Hansen, A.V. Intracellular compartmentalization of skeletal muscle glycogen metabolism and insulin signalling. *Exp Physiol* 96.4, pp 385-390, 2011.
24. Ara, I., Larsen, S., Stallknecht, B., Guerra, B., Morales-Alamo, D., Andersen, J.L., Ponce-González, J.G., Guadalupe-Brau, A., Galbo, H., Calbet, J.A.L., Helge, J.W. Normal mitochondrial function and increased fat oxidation capacity in leg and arm muscles in obese humans. *International Journal of Obesity* 35, 99-108, 2011.