

List of publications Xlab 2009

1. Sonne, M.P., Højbjerg, L., Alibegovic, A.A., Vaag, A., Stallknecht, B., Dela, F. Impaired endothelial function and insulin action in first-degree relatives of patients with type 2 diabetes mellitus. *Metabolism Clinical and Experimental*, 58(1): 93-101, 2009.
2. Rabøl, R., Højberg, P.M.V., Almdal, T., Boushel, R., Haugaard, S.B., Madsbad, S., Dela, F. Effect of hyperglycemia on mitochondrial respiration in type 2 diabetes. *J Clin Endocrinol Metab*, 94(4): 1372-1378, 2009.
3. Dahl-Petersen, I., Eriksen, L., Haugaard, S.B., Dela, F. Fysisk træning ved type 2-diabetes. *Ugeskr Læger*, 171(11): 878-880, 2009.
4. Calbet, J.A.L., Rådegran, G., Boushel, R., Saltin, B. On the mechanisms that limit oxygen uptake during exercise in acute and chronic hypoxia: role of muscle mass. *J Physiol*, 587.2: 477-490, 2009.
5. Larsen, S., Ara, I., Rabøl, R., Andersen, J.L., Boushel, R., Dela, F., Helge, J.W. Are substrate use during exercise and mitochondrial respiratory capacity decreased in arm and leg muscle in type 2 diabetes? *Diabetologia*, 52(7): 1400-1408, 2009.
6. Rabøl, R., Højberg, P.M.V., Almdal, T., Boushel, R., Haugaard, S.B., Madsbad, S., Dela, F. Improved glycaemic control decreases inner mitochondrial membrane leak in type 2 diabetes. *Diabetes, Obesity and Metabolism*, 11(4): 355-360, 2009.
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8. Prescott, E., Hjørdem-Hansen, R., Dela, F., Teisner, A.S., Nielsen, H. Exercise training in older patients with systolic heart failure: adherence, exercise capacity, inflammation and glycemic control. *Scandinavian Cardiovascular Journal*, 43(4): 249-255, 2009.
9. Rabøl, R., Svendsen, P.F., Skovbro, M., Boushel, R., Haugaard, S.B., Schjerling, P., Schrauwen, P., Hesselink, M., Nilas, L., Madsbad, S., Dela, F. Reduced skeletal muscle mitochondrial respiration and improved glucose metabolism in nondiabetic obese women during a very low calorie dietary intervention leading to rapid weight loss. *Metabolism Clinical and Experimental*, 58(8): 1145-1152, 2009.
10. Sørensen, K., Aksglaede, L., Munch-Andersen, T., Aachmann-Andersen, N.J., Petersen, J.H., Hilsted, L., Helge, J.W., Juul, A. Sex hormone-binding globulin levels predict insulin sensitivity, disposition index, and cardiovascular risk during puberty. *Diabetes Care*, 32(5): 900-14, 2009.
11. Scheede-Bergdahl, C., Olsen, D.B., Reving, D., Boushel, R., Dela, F. Insulin and non-insulin mediated vasodilation and glucose uptake in patients with type 2 diabetes. *Diabetes Research and Clinical Practice*, 85(3): 243-251, 2009.

12. Vollaard, N.B., Constantin-Teodosiu, D., Frederiksson, K., Rooyackers, O., Jansson, E., Greenhaff P.L., Timmons, J.A., Sundberg, C.J. Systematic analysis of adaptations in aerobic capacity and submaximal energy metabolism provides a unique insight into determinants of human aerobic performance. *J Appl Physiol*, 106(5):1479-86, 2009.
13. Prescott, E., Hjørdem-Hansen, R., Dela, F., Ørkild, B., Teisner, A.S., Nielsen, H. Effects of a 14-month low-cost maintenance training program in patients with chronic systolic heart failure: a randomized study. *Eur J Cardiovasc Prev Rehabil* 16(4): 430-437, 2009.
14. Timmons, J.A., Pedersen, B.K. The importance of brown adipose tissue. *N Engl J Med*, 361(4):415-416, 2009.
15. Nielsen, N.B., Højbjerg, L., Sonne, M.P., Alibegovic, A.C., Vaag, A., Dela, F., Stallknecht, B. Interstitial concentrations of adipokines in subcutaneous abdominal and femoral adipose tissue. *Regul Pept*, 155(1-3): 39-45, 2009.
16. Sonne, M.P., Højbjerg, L., Alibegovic, A.C., Vaag, A., Stallknecht, B., Dela, F. Diminished insulin-mediated forearm blood flow and muscle glucose uptake in young men with low birth weight. *J Vasc Res*, 47(2):139-147, 2009.
17. Sørensen, K., Aksglaede, L., Munch-Andersen, T., Aachmann-Andersen, N.J., Leffers, H., Helge, J.W., Hilsed, L., Juul, A. Impact of the growth hormone receptor exon 3 deletion gene polymorphism on glucose metabolism, lipids, and insulin-like growth factor-1 levels during puberty. *J Clin Endocrinol Metab*, 94(8): 2966-9, 2009.
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19. Scheede-Bergdahl, C., Olsen, D.B., Reving, R., Boushel, R., Dela, F. Cardiovascular disease markers in type 2 diabetes: the effects of a moderate home-based exercise training programme. *Diabetes & Vascular Disease Research*, 6(4): 291-296, 2009
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22. Alibegovic, A.C., Højbjerg, L., Sonne, M.P., van Hall, G., Stallknecht, B., Dela, F., Vaag, A. Impact of nine days of bed rest on hepatic and peripheral insulin action, insulin secretion and whole body lipolysis in healthy young male offspring of patients with type 2 diabetes. *Diabetes*, 58(12):2749-56, 2009.

23. Høi-Hansen, T., Pedersen-Bjergaard, U., Due-Andersen, R., Kristensen, P.L., Thomsen, C.E., Kjær, T.W., Høgenhaven, H., Smed, A., Holst, J.J., Dela, F., Boomsma, F., Thorsteinsson, B. Cognitive performance, symptoms and counter-regulation during hypoglycaemia in patients with type 1 diabetes and high or low renin-angiotensin system activity. *J Renin Angiotensin Aldosterone Syst*, 10(4):216-29, 2009.
24. Fuentes, T., Ara, I., Guadalupe-Grau, A., Larsen, S., Stallknecht, B., Olmedillas, H., Santana, A., Helge, J.W., Calbet, J.A., Guerra, B. Leptin receptor 170 KDa (OB-R170) protein expression is reduced in obese human skeletal muscle: a potential mechanism of leptin resistance. *Exp Physiol*, 95.1:160-171, 2009.
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