

DEPARTMENT OF PHYSIOLOGY

Research Report – Publications 2006

B2 - Book Chapters Other

Hargreaves I. 2006. Skeletal muscle carbohydrate metabolism during exercise. In Hargreaves I & Spriet L (eds), *Exercise Metabolism*. Illinois, United States: Human Kinetics, pp. 29-44.

Hargreaves I. 2006. The Metabolic Systems: Carbohydrate Metabolism. In Sawka N, Tipton M, Tate A & Terjung L (eds), *ACSM's Advanced Exercise Physiology*. Baltimore, United States: Lippincott Williams & Wilkins, pp. 385-395.

Hawley A, Hargreaves I & Zierath R. 2006. Signalling mechanisms in skeletal muscle: role in substrate selection and muscle adaptation. In Wagenmakers JM (ed), *Essays in Biochemistry: The Biochemical Basis of the Health Effects of Exercise*. United Kingdom: Portland Press, pp. 1-12.

Morgan T. 2006. New strategies for future clinical trials in hypertension. In Brunner R (ed), *The Year of Hypertension Volume 6*. Oxford, United Kingdom: Clinical Publishing, pp. 15-23.

Spriet L & Hargreaves I. 2006. Overview of Exercise Metabolism. In Hargreaves I, ORA-01403: no data found & Spriet L (eds), *Exercise Metabolism*. Illinois, United States: Human Kinetics, pp. 1-6.

Spriet L & Hargreaves I. 2006. The Metabolic Systems: Interaction of Lipid and Carbohydrate Metabolism. In Sawka N, Tate A, Terjung L & Tipton M (eds), *ACSM's Advanced Exercise Physiology*. Baltimore, United States: Lippincott Williams & Wilkins, pp. 410-420.

C1 - Journal Articles Refereed

Allen A, Dosanjh J, Dassanayake S, Tan GP & Thomas W. 2006. Baroreceptor reflex stimulation does not induce cytomegalovirus promoter-driven transgene expression in the ventrolateral medulla in vivo. *Autonomic Neuroscience - Basic & Clinical*. 126-127: 150-155.

Allen A, Dosanjh J, Erac M, Dassanayake S, Hannan R & Thomas W. 2006. Expression of constitutively active angiotensin receptors in the rostral ventrolateral medulla increases blood pressure. *Hypertension*. 47 (6): 1054-1061.

Axell A, Maclean H, Plant D, Harcourt L, Davis J, Jimenez , Handelsman , Lynch G & Zajac J. 2006. Continuous testosterone administration prevents skeletal muscle atrophy and enhances resistance to fatigue in orchidectomized male mice. *American Journal of Physiology - Endocrinology and Metabolism*. 291 (2006): E506-E516.

Bradshaw J & Aisbett B. 2006. Visual guidance during competition performance and run-through training in long jumping. *Sports Biomechanics*. 5 (1): 1-14.

Buresova M, Zidek V, Simakova M, Fucikova A, Bila V, Kren V, Kazdova L, Di Nicolantonio R & Pravenec M. 2006. Genetic relationship between placental and fetal weights and markers of the metabolic syndrome in rat recombinant inbred strains. *Physiological Genomics*. 26 (3): 226-231.

Curl C, Bellair CJ, Harris P, Allman E, Roberts A, Nugent K & Delbridge L. 2006. Single cell volume measurement by Quantitative Phase Microscopy (QPM): A case study of Erythrocyte Morphology. *Cellular Physiology and Biochemistry*. 17: 193-200.

Davies P, Thomas E & Bornstein J. 2006. Different types of potassium channels underlie the long afterhyperpolarization in guinea-pig sympathetic and enteric neurons. *Autonomic Neuroscience - Basic & Clinical*. 124: 26-30.

Di Nicolantonio R, Kostka V, Kwitek A, Jacob H, Thomas G & Harrap S. 2006. Fine mapping of *Lvm1*: a quantitative trait locus controlling heart size independently of blood pressure. *Pulmonary Pharmacology and Therapeutics*. 19 (1): 70-73.

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- Lim D, Beitzel F, Lynch G & Woods M. 2006. Myosin heavy chain isoform composition of human masseter muscle from subjects with different mandibular plane angles. *Australian Orthodontic Journal*. 22 (2): 105-114.
- Liu L, Zheng TW, Morris M, Wallengren C, Clarke A, Reid C, Petrou S & O'Brien T. 2006. The mechanism of carbamazepine aggravation of absence seizures. *Journal of Pharmacology and Experimental Therapeutics*. 319 (2): 790-798.
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Wilson , Hargreaves I & Howlett F. 2006. Exercise does not alter subcellular localization, but increases phosphorylation of insulin-signalling proteins in human skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*. 290: E341-E346.

C2 - Journal Articles Unrefereed

Neal K & Bornstein J. 2006. Serotonergic receptors in therapeutic approaches to gastrointestinal disorders. *Current Opinion in Pharmacology*. 547-552 (6): 6.

C3 - Journal Articles Unrefereed Letters or Notes

Mcconell G & Kingwell A. 2006. Does nitric oxide regulate skeletal muscle glucose uptake during exercise? *Exercise and Sport Sciences Reviews*. 34 (1): 36-41.

C5 - Other Refereed Contribution to Refereed Journals

Bornstein J. 2006. Intrinsic sensory neurons of mouse gut - toward a detailed knowledge of enteric neural circuitry across species. Focus on "Characterization of myenteric sensory neurons in the mouse small intestine". *Journal of Neurophysiology*. 96: 973-974.

Wilkinson-Berka J. 2006. Angiotensin and diabetic retinopathy. *International Journal of Biochemistry and Cell Biology*. 38 (5-6): 752-765.

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