

Publications

Sélection de publications récentes

- **Duchateau J, Hainaut K.** Mechanisms of muscle and motor unit adaptation to explosive power training. In "Strength and Power in Sport" (P.V. Komi, ed.), pp 319-330, 2003.
- **Guissard N, Duchateau J.** Effect of static stretch training on neural and mechanical properties of the human plantar flexor muscles. *Muscle & Nerve* 29, 248-245, 2004.
- **Guissard N, Duchateau J.** Neural aspects of muscle stretching. *Exercise and Sport Sciences Reviews* 34:154-158, 2006.
- **Abellaneda S, Guissard N, Duchateau J.** Relationship between musculo-tendinous architecture and the development of tension during passive stretching of the triceps surae. *Kinesitherapy* 53:29-33, 2006.
- **Baudry S, Duchateau J.** Postactivation potentiation in a human muscle: effect on the rate of torque development of tetanic and voluntary isometric contractions. *Journal of Applied Physiology* 102:1394-1401, 2007.
- **Baudry S, Duchateau J.** Postactivation potentiation in a human muscle: effect on the load-velocity relation of tetanic and voluntary shortening contractions. *Journal of Applied Physiology* 103:1318-1325, 2007.
- **Vanderthommen M, Duchateau J.** Electrical stimulation as a modality to improve performance of the neuromuscular system. *Exercise and Sport Science Review* 35:180-185, 2007.
- **Duchateau J, Klass M.** Adaptations neuromusculaires chez l'enfant. Dans "Physiologie du Sport: Enfant et adolescent" (Van Praagh E. éd.), Editions De Boeck, 73-95, 2007.
- **Abellaneda S, Guissard N, Duchateau J.** The relative lengthening of the myotendinous structures in the medial gastrocnemius during passive stretching differs among individuals. *Journal of Applied Physiology* 106:169-177, 2009.
- **Kamandulis S, Skurvydas A, Brazaitis M, Skikas L, Duchateau J.** The repeated bout effect of eccentric exercise is not associated with changes in voluntary activation. *European Journal of Applied Physiology* 108:1065-1074, 2010.
- **Viellevoye S, Poortmans JR, Duchateau J, Carpentier A.** Effects of a combined essential amino acids/carbohydrate supplementation on muscle mass, architecture and maximal strength following heavy-load training. *European Journal of Applied Physiology* 110:479-488, 2010.
- **Kato E, Viellevoye S, Balestra C, Guissard N, Duchateau J.** Acute effect of muscle stretching on the steadiness of sustained submaximal contractions of the plantar flexor muscles. *Journal of Applied Physiology* 110:407-415, 2011.
- **Duchateau J, Baudry S.** Training adaptation of the neuromuscular system. In: "Neuromuscular Aspects of Sport Performance" (Komi P.V. ed.), Wiley-Blackwell, Oxford, pp 216-253, 2011.