

## **BioMotion Center: Publications 2013**

### **Articles (peer review)**

- Bartenbach, V., Sander, C., Pöschl, M., Wilging, K., Nelius, T., Doll, F., Burger, W., Stockinger, C., Focke, A. & Stein, T. (2013). The BioMotionBot - a robotic device for applications in human motor learning and rehabilitation. *Journal of Neuroscience Methods*, 213, 282–297.
- Focke, A., Strutzenberger, G., Jekauc, D., Worth, A., Woll, A. & Schwameder, H. (2013). Effects of age, sex and activity level on counter-movement jump performance in children and adolescents. *European Journal of Sport Science*, 13 (5), 518-526.
- Focke, A., Stockinger, C., Diepold, C., Taubert, M. and Stein, T. (2013). The influence of catch trials on the consolidation of motor memory in force field adaptation tasks. *Front. Psychol.* 4:479. doi: 10.3389/fpsyg.2013.00479.
- Willwacher, S., Potthast, W., Konrad, M. & Brüggemann, G.-P. (2013). Effect of Heel Construction on Muscular Control Potential of the Ankle Joint in Running. *Journal of Applied Biomechanics*, 29 (6), 740-748.
- Willwacher, S., König, M., Potthast, W. & Brüggemann, G.-P. (2013). Does Specific Footwear Facilitate Energy Storage and Return at the Metatarso Phalangeal Joint in Running? *Journal of Applied Biomechanics*, 29 (5), 583-592.

### **Conference abstracts (peer review)**

- Braun, C., Stein, T. & Seidel, I. (2013). Bewegungslernen und -lehren im Schulsport. Dvs Hochschultag in Konstanz 2013.
- Focke, A., Stockinger, C., Billenkamp, J. & Stein, T. (2013). The consolidation of motor memory depends on the adaptation parameter. Dvs Hochschultag in Konstanz 2013.
- Ringhof, S., Stein, T., Potthast, W., Schindler, H.J., Giannakopoulos, N.N. & Hellmann, D. (2013). Einfluss einer kontrollierten Beißaufgabe auf das posturale Gleichgewicht während einbeiniger Kniebeugen. Dvs Hochschultag in Konstanz 2013.
- Stockinger, C., Focke, A., Billenkamp, J., Schittkowski, B. & Stein, T. (2013). Einfluss der Catch Trial Rate auf die Konsolidierung motorischer Gedächtnisinhalte bei Kraftfeldadaptationsexperimenten. Dvs Hochschultag in Konstanz 2013.
- Braun, C., Focke, A., Stein, T. & Seidel, I. (2013). The influence of different teaching methods on motor learning in school children. 18th Annual Congress of the European College of Sport Science in Barcelona (Spanien).
- Focke, A., Stockinger, C., Diepold, C. & Stein T. (2013). The influence of catch trials on the consolidation of motor memory in force field adaptation tasks. 18th Annual Congress of the European College of Sport Science in Barcelona (Spanien).
- Ringhof, S., Stein, T., Potthast, W., Schindler, H.J., Giannakopoulos, N.N. & Hellmann, D. (2013). Influence of a force-controlled biting task on body sway and lower extremity kinematics during

one-legged squats. 18th Annual Congress of the European College of Sport Science in Barcelona (Spanien).

- Stein, T. (2013). Robotics as a tool to understand human motor learning. 18th Annual Congress of the European College of Sport Science in Barcelona (Spanien).
- Stockinger, C., Focke, A., Diepold, C., Stein, T. (2013). Influence of the Amount of Practice on the Consolidation of Motor Memory in Force Field Adaptation Tasks. 18th Annual Congress of the European College of Sport Science in Barcelona (Spanien).

### **Book chapters**

- Stein, T. (2013). Struktur und Funktion sportlicher Bewegungen. In A. Güllich & M. Krüger (Hrsg.), Sport: Das Lehrbuch für das Sportstudium (S. 161-167). Berlin, Heidelberg: Springer.

### **Articles (without peer review)**

- Hellmann, D. & Ringhof, S. (2013). Besteht ein Zusammenhang zwischen Okklusion, craniomandibulärer Dysfunktion und Körperhaltung? Zahnarzt & Praxis, 3, 146-149.
- Hellmann, D. & Ringhof, S. (2013). Okklusion – craniomandibulärer Dysfunktion – Körperhaltung. Das internationale Zahntechnik Magazin, 5, 298-300.