

Published Articles and Book Chapters (in chronological order)

1. Yang JF, Lam T, Pang MYC, **Lamont E**, Musselman K, Seinen E (2004). Infant stepping: a window to the behaviour of the human pattern generator for walking. *Canadian Journal of Physiology and Pharmacology* 82: 662-674.
2. Yang JF, **Lamont EV**, Pang MYC (2005). Split-belt treadmill stepping in human infants reveals organizational principles of the pattern generator for walking. *Journal of Neuroscience* 25; 6869-6876.
3. **Lamont EV**, Zehr EP (2006). Task-specific modulation of cutaneous reflexes expressed at functionally relevant gait cycle phases during level and incline walking and stair climbing. *Experimental Brain Research* 173:185-92.
4. **Lamont EV**, Zehr EP (2007). Earth-referenced hand rail contact facilitates interlimb cutaneous reflexes during locomotion. *Journal of Neurophysiology* 98: 433-442.
5. Zehr EP, Hundza SR, **Vasudevan EV** (2009). Human bipeds use quadrupedal coordination. *Exercise and Sports Science Reviews* 37: 102-108.
6. **Vasudevan EV**, Bastian AJ (2010). Split-belt treadmill adaptation shows different functional networks for fast and slow walking. *Journal of Neurophysiology* 103: 183-91. PMC2807217
7. **Vasudevan EV**, Bastian AJ, Torres-Oviedo G (2010). Emerging principles in the learning and generalization of new walking patterns. In F. Danion & M. Latash (Eds.) *Motor Control: Theories, Experiments, and Applications*. Oxford, UK: Oxford University Press.
8. **Vasudevan EV**, Torres-Oviedo G, Morton SM, Yang JF, Bastian AJ (2011). Younger is not always better: development of locomotor adaptation from childhood to adulthood. *Journal of Neuroscience* 31: 3055-65. PMC3084584
9. **Vasudevan EV**, Zehr EP (2011). Multi-frequency arm cycling reveals bilateral locomotor coupling to increase movement symmetry. *Experimental Brain Research* 211: 299-312.
10. Musselman KE, Patrick SK, **Vasudevan EV**, Bastian AJ, Yang JF (2011). Unique characteristics of motor adaptation during walking in young children. *Journal of Neurophysiology* 105: 2195-203. PMC3094181
11. Torres-Oviedo G, **Vasudevan E**, Malone L, Bastian AJ (2011). Locomotor Adaptation. *Progress in Brain Research* 191: 65-74.
12. Malone LA, **Vasudevan EV**, Bastian AJ (2011). Motor Adaptation Training for Faster Relearning. *Journal of Neuroscience* 31: 15136-15143. PMC3209529
13. Handzic I, Barno EM, **Vasudevan EV**, Reed KB (2011). Design and pilot study of a gait enhancing mobile shoe. *Paladyn Journal of Behavioral Robotics* 2: 192-301.
14. Jayaram G, Tang B, Pallegadda R, **Vasudevan EV**, Celnik P, Bastian AJ (2012). Modulating Locomotor Adaptation with Cerebellar Stimulation. *Journal of Neurophysiology* 107: 2950-2957. PMC3378372
15. **Vasudevan EV** (2014). One step backwards, two steps ahead: Amplifying movement errors to improve walking post-stroke. *Clinical Neurophysiology*. 125: 869-71.
16. **Vasudevan EV**, Glass RN, Packel AT (2014). Effects of traumatic brain injury on locomotor adaptation. *Journal of Neurologic Physical Therapy* 38: 172-82.

17. **Vasudevan EV**, Kirk EM (2014). Improving interlimb coordination following stroke: how can we change how people walk (and why should we?). In W. Jensen, O. Andersen, M. Akay (Eds.) *Replace, Repair, Restore, Relieve – Bridging Clinical and Engineering Solutions in Neurorehabilitation: Biosystems & Biorobotics*. Springer International Press. Pg 195-202.

Published Conference Proceedings (in chronological order)

1. Handzic I, **Vasudevan E**, Reed KB (2011). Motion controlled gait enhancing mobile shoe for rehabilitation. *Proceedings of the 12th International Conference on Rehabilitation Robotics (ICORR)*. June 2011.
2. Handzic I, **Vasudevan E**, Reed KB (2012). Developing a gait enhancing mobile shoe to alter over-ground walking coordination. *Proceedings of the IEEE International Conference on Robotics and Automation (ICRA)*. May 2012.

Published Conference Abstracts (in chronological order)

1. **Lamont EV**, Hoogenboom N, Cabaj J, Maraj BKV, Zehr EP (2002). Postural stability enhances interlimb reflexes during stair climbing. *Society for Neuroscience Annual General Meeting Abstracts* 366.15.
2. Haridas C, **Lamont EV**, Hoogenboom N, Cabaj J, Maraj BKV, Zehr EP (2002). Cutaneous reflex modulation in an above-knee amputee during walking: a case study using two different prostheses. *Society for Neuroscience Annual General Meeting Abstracts* 667.2.
3. **Lamont EV**, Pang MYC, Yang JF (2003). Adaptation to split-belt walking in human infants. *Society for Neuroscience Annual General Meeting Abstracts* 824.4.
4. **Lamont EV**, Baker S, Zehr EP (2005). Amplification of muscle activity during asynchronous arm cycling: evidence for coupling between the upper limb pattern generators? *Society for Neuroscience Annual General Meeting Abstracts* 55.9.
5. **Lamont EV**, Zehr EP (2006). Reflex modulation patterns are conserved during asynchronous arm cycling: evidence for unique specification of reflex control based upon limb activity state. *Society for Neuroscience Annual General Meeting Abstracts* 557.12
6. **Vasudevan EV**, Pallegadda R, Bastian AJ (2008). Walking adaptation is speed- and leg-specific. *Society for the Neural Control of Movement Meeting Abstracts*.
7. **Vasudevan EV**, Bastian AJ (2009). Incomplete transfer of walking adaptation suggests differences in the neural control of fast and slow walking. *Society for the Neural Control of Movement Meeting Abstracts*.
8. Gurbani AJ, Malone LA, **Vasudevan EV**, Bastian AJ (2009). Are consolidation and interference effects present in split-belt locomotor adaptation? *Society for the Neural Control of Movement Meeting Abstracts*.
9. McLean H, **Vasudevan EV**, Bastian AJ (2009). Can split-belt treadmill training lead to long-term improvements in gait symmetry post-hemispherectomy? *The American Academy for Cerebral Palsy and Developmental Medicine Meeting Abstracts*. DP27.
10. Patrick SK, Musselman KE, **Vasudevan EV**, Bastian AJ, Yang JF (2009). Emergence and characteristics of learning on a split-belt treadmill in infants and toddlers. *Society for Neuroscience Annual General Meeting Abstracts* 462.3.
11. **Vasudevan EV**, Torres-Oviedo G, Yang JF, Bastian AJ (2009). Development of motor learning from childhood to adulthood. *Society for Neuroscience Annual General Meeting Abstracts* 462.4.

12. **Vasudevan EV**, Feng T, Bastian AJ (2011). Structure learning in a locomotor adaptation task. *Society for the Neural Control of Movement Abstracts*.
13. **Vasudevan EV**, Patrick SK, Yang JF (2012). Gait transitions in human infants: Can babies run? *Society for Neuroscience Annual General Meeting Abstracts* 478.18.
14. German R, Barno EM, Glass RN, **Vasudevan EV** (2012). Variable practice during locomotor adaptation improves relearning. *Society for Neuroscience Annual General Meeting Abstracts* 274.17.
15. Glass, R, Packel AT, Barno EM, **Vasudevan EV** (2012). Locomotor adaptation following traumatic brain injury. *Society for Neuroscience Annual General Meeting Abstracts* 184.10.
16. **Vasudevan EV**, German RV (2013). Long-term retention of locomotor adaptation: Do you ever forget how to walk on a split-belt treadmill? *Society for Neuroscience Annual General Meeting Abstracts* 749.04.
17. Hamzey RJ, Kirk EM, **Vasudevan EV** (2013). Influence of gait speed on the expression of locomotor learning in different environments. *Society for Neuroscience Annual General Meeting Abstracts* 749.05.
18. Tan DK, **Vasudevan EV** (2014). Long-term retention of locomotor adaptation following short-term training in people with stroke. *Society for Neuroscience Annual General Meeting Abstracts* 68.12.