

Filmer, H. L., Loughnan, K., Seeto, J. X., Ballard, T., Ehrhardt, S. E., Shaw, T. B., Wards, Y., Rideaux, R., Leow, L.-A., & Sewell, D. K. (2023). Individual differences in decision strategy relate to neurochemical excitability and cortical thickness. *Journal of Neuroscience*, 43(42), 7006-7015.

Garner, K., Leow, L.-A., Uchida, A., Garrido, M., Jensen, O., & Dux, P. (2022). The impact of dopamine on the formation of stereotypical sequences.

Keane, B., Reuter, E., Manzone, J., Miller-Mills, B., Leow, L.-A., Welsh, T., & Carroll, T. J. (2023). Enhanced neural representation of reach target direction for high reward magnitude but not high target probability. *bioRxiv*, 2023.2012. 2013.571560.

Leow, L.-A., Bernheine, L., Carroll, T. J., Dux, P. E., & Filmer, H. L. (2024). Dopamine Increases Accuracy and Lengthens Deliberation Time in Explicit Motor Skill Learning. *eNeuro*, 11(1), <https://doi.org/10.1523/ENEURO.0360-1523.1522>.

Leow, L.-A., De Rugy, A., Loftus, A. M., & Hammond, G. (2013). Different mechanisms contributing to savings and anterograde interference are impaired in Parkinson's. *Frontiers in Neuroscience*, 108.

Leow, L.-A., De Rugy, A., Marinovic, W., Riek, S., & Carroll, T. J. (2016). Savings for visuomotor adaptation require prior history of error, not prior repetition of successful actions. *Journal of neurophysiology*, 116(4), 1603-1614.

Leow, L.-A., & Grahn, J. A. (2014). Neural Mechanisms of Rhythm Perception: Present Findings and Future Directions. In *Neurobiology of Interval Timing, Advances in Experimental Medicine and Biology* (Vol. 829, pp. 325-338). Springer New York.

Leow, L.-A., Gunn, R., Marinovic, W., & Carroll, T. J. (2017). Estimating the implicit component of visuomotor rotation learning by constraining movement preparation time. *Journal of neurophysiology*, 118(2), 666-676.

Leow, L.-A., Hammond, G., & de Rugy, A. (2014). Anodal motor cortex stimulation paired with movement repetition increases anterograde interference but not savings. *European Journal of Neuroscience*.

Leow, L.-A., Jiang, J., Bowers, S., Zhang, Y., Dux, P., & Filmer, H. (2023). Intensity-dependent effects of tDCS on motor learning are related to dopamine. *bioRxiv*, 2023.2010. 2005.561136.

Leow, L.-A., Loftus, A. M., & Hammond, G. R. (2012). Impaired savings despite intact initial learning of motor adaptation in Parkinson's disease. *Experimental brain research*, 218, 295-304.

Leow, L.-A., Marcos, A., Nielsen, E., Sewell, D., Ballard, T., Dux, P., & Filmer, H. (2023). Dopamine alters the effect of brain stimulation on decision-making. *Journal of Neuroscience*, 43(41), 6909-6919.

Leow, L.-A., Marinovic, W., Carroll, T. J., & Riek, S. (2016). The primary motor cortex is critical for the retention of implicit sensorimotor adaptation. *bioRxiv*, 096404.

Leow, L.-A., Marinovic, W., Riek, S., & Carroll, T. J. (2017). Cerebellar anodal tDCS increases implicit learning when strategic re-aiming is suppressed in sensorimotor adaptation. *PLoS One*, 12(7), e0179977.

Leow, L.-A., Parrott, T., & Grahn, J. A. (2014). Individual differences in beat perception affect gait responses to low- and high-groove music. *Frontiers in Human Neuroscience*.

Leow, L.-A., Rinchon, C., Emerick, M., & Grahn, J. A. (2021). Supplementary motor area contributions to rhythm perception. *bioRxiv*, 2021.2011. 2025.470060.

Leow, L.-A., Rinchon, C., & Grahn, J. (2015). Familiarity with music increases walking speed in rhythmic auditory cueing. *Annals of the New York Academy of Sciences*.

Leow, L.-A., Waclawik, K., & Grahn, J. A. (2018). The role of attention and intention in synchronization to music: effects on gait. *Experimental brain research*, 236(1), 99-115.

Leow, L.-A., Watson, S., Prete, D., Waclawik, K., & Grahn, J. A. (2021). How groove in music affects gait. *Experimental brain research*, 239(8), 2419-2433.

Leow, L. A., Marinovic, W., de Rugy, A., & Carroll, T. J. (2018). Task errors contribute to implicit aftereffects in sensorimotor adaptation. *European Journal of Neuroscience*.

Leow, L. A., Marinovic, W., de Rugy, A., & Carroll, T. J. (2020). Task errors drive memories that improve sensorimotor adaptation. *Journal of Neuroscience*, 1506-1519.

Leow, L. A., Tresilian, J. R., Uchida, A., Koester, D., Spingler, T., Riek, S., & Marinovic, W. (2021). Acoustic stimulation increases implicit adaptation in sensorimotor adaptation. *European Journal of Neuroscience*, 54(3), 5047-5062.

Li-Ann Leow, A. U., Jamie-Lee Egberts, Stephan Riek, Ottmar Lipp, James Tresilian, Welber Marinovic. (2018). Triggering Mechanisms for Motor Actions: The Effects of Expectation on Reaction Times to Intense Acoustic Stimuli. *Neuroscience*, 10.1016/j.neuroscience.2018.1010.1008.

Mackay, C., Brauer, S., Kuys, S., Schaumberg, M., & Leow, L.-A. (2021). The acute effects of aerobic exercise on sensorimotor adaptation in chronic stroke. *Restorative Neurology and Neuroscience*, 39(5), 367-377.

Reuter, E.-M., Booms, A., & Leow, L.-A. (2022). Using EEG to study sensorimotor adaptation. *Neuroscience & Biobehavioral Reviews*, 134, 104520.

Reuter, E.-M., Leow, L.-A., & Carroll, T. J. (2020). Task feedback processing differs between young and older adults in visuomotor rotation learning despite similar initial adaptation and savings. *Neuroscience*, 451, 79-98.

Willmot, N., Leow, L.-A., Bender, A., Filmer, H., & Dux, P. (2021). Exploring the reliability of tDCS: A registered report.

Willmot, N. S., Leow, L.-A., Filmer, H. L., & Dux, P. E. (2023). Failure of tDCS to impact militarised threat-detection in a military cohort. *Imaging Neuroscience*, 1, 1-11.