

Pratik Mutha

List of Journal Publications and Book Chapters

1. Bhakuni R, **Mutha PK**. Learning of bimanual motor sequences in normal aging. [Frontiers in Aging Neuroscience](#), 7:76, 2015
2. Sarlegna FR, **Mutha PK**. The influence of visual target information on the online control of movements. [Vision Research](#), 110:144-154, 2015.
3. Sainburg RL, **Mutha PK**. Movement neuroscience foundations of neurorehabilitation. In: [Neurorehabilitation Technology, 2nd edition](#), edited by Reinkensmeyer DJ and Dietz V, in press.
4. Sainburg RL, **Mutha PK**. Error detection is critical for visual-motor corrections. [Motor Control](#), in press.
5. **Mutha PK**, Stapp LH, Sainburg RL, Haaland KY. Frontal and parietal cortex contributions to action modification. [Cortex](#), 57:38-50, 2014.
6. **Mutha PK**, Haaland KY. Cognitive aspects of motor control. [Cortex](#), 57:299-300, 2014
7. Haaland KY, **Mutha PK**. Apraxia. In: [Encyclopedia of the Neurological Sciences, 2nd edition](#), Oxford: Elsevier, pp 250-253, 2014.
8. Mani S, **Mutha PK**, Przybyla A, Haaland KY, Good D, Sainburg RL. Contralateral arm deficits during reaching following stroke reflect hemisphere-specific control mechanisms. [Brain](#), 136:1288-1303, 2013.
9. **Mutha PK**, Haaland KY, Sainburg RL. Rethinking motor lateralization: specialized but complementary mechanisms for motor control of each arm. [PLoS One](#), 8:e58582, 2013.
10. **Mutha PK**, Haaland KY, Sainburg RL. The effects of brain lateralization on motor control and adaptation. [Journal of Motor Behavior](#), 44:455-469, 2012.
11. Haaland KY, **Mutha PK**, Rinehart JK, Daniels M, Cushnyr B, Adair JC. Relationship between arm usage and instrumental activities of daily living after unilateral stroke. [Archives of Physical Medicine and Rehabilitation](#), 93:1957-1962, 2012.
12. Schaefer SY, **Mutha PK**, Haaland KY, Sainburg RL. Hemispheric specialization for movement control produces dissociable differences in online corrections. [Cerebral Cortex](#), 22:1407-1419, 2012.
13. Sainburg RL, **Mutha PK**. Applying principles of motor control to rehabilitation technologies. In: [Neurorehabilitation Technology](#), edited by Dietz V, Nef T, Rymer WZ, New York: Springer, pp 87-104, 2012.
14. **Mutha PK**, Sainburg RL, Haaland KY. Critical neural substrates for correcting unexpected trajectory errors and learning from them. [Brain](#), 134:3644-3658, 2011.

15. **Mutha PK**, Sainburg RL, Haaland KY. Left parietal regions are critical for adaptive visuomotor control. [Journal of Neuroscience](#), 31:6972-6981, 2011.
16. **Mutha PK**, Sainburg RL, Haaland KY. Coordination deficits in ideomotor apraxia during visually-targeted reaching reflect impaired visuomotor transformations. [Neuropsychologia](#), 48:3855-3867, 2010.
17. **Mutha PK**, Sainburg RL. Shared bimanual tasks elicit bimanual reflexes during movement. [Journal of Neurophysiology](#), 102:3142-3155, 2009.
18. **Mutha PK**, Boulinguez P, Sainburg RL. Visual modulation of proprioceptive reflexes during movement. [Brain Research](#), 1246:54-69, 2008.
19. **Mutha PK**, Shabbott BA. Don't let it slip: Predictive control of grip force after changes in task goals. [Journal of Neuroscience](#), 28:2965-2966, 2008.
20. **Mutha PK**, Sainburg RL. Control of velocity and position in single joint movements. [Human Movement Science](#), 26:808-823, 2007.