

Robyn Sun Kim, Ph.D.
Scientist

Professional Profile

Dr. Kim has expertise in human visual perception, sensory integration, cognition, reaction time, and the effects of training and experience on performance and recognition.

Dr. Kim earned a Ph.D. in Psychology from UCLA, with a specialization in cognitive neuroscience. Her graduate research employed behavioral, psychophysical, and neuroimaging methods to investigate multisensory integration, particularly the effects of training with multisensory stimuli on visual perception and associative learning. Dr. Kim's graduate work was supported by awards from the University of California, and the National Science Foundation. Her research also garnered awards from the Vision Sciences Society and the International Multisensory Research Forum. After earning her Ph.D., Dr. Kim designed and piloted a novel multidisciplinary research program applying brain stimulation techniques to perceptual learning protocols, in order to study mechanisms of plasticity in visual motion perception.

Academic Credentials and Professional Honors

Ph.D., Psychology (Cognitive Neuroscience), University of California, Los Angeles, 2009
M.A., Psychology (Cognitive Neuroscience), University of California, Los Angeles, 2005
B.A., English, Columbia College, 1999

National Science Foundation Graduate Research Fellowship, 2005–2009
Vision Sciences Society Student Travel Award, 2008
International Multisensory Research Forum Graduate Student Symposium Award, 2006
UCLA Edwin W. Pauley Fellowship, 2004

Publications

Shams L, Kim R. Crossmodal facilitation of unisensory learning. In: *The New Handbook of Multisensory Processes*. Stein B, Stanford T (eds), in press.

Shams L, Kim R. Crossmodal influences on visual perception. *Physics Life Rev*, in press.

Kim R, Seitz AR, Feenstra H, Shams L. Testing assumptions of statistical learning: Is it long-term and implicit? *Neurosci Lett* 2009; 461(2):145–149.

Kim R, Seitz AR, Shams L. Benefits of stimulus congruency for multisensory facilitation of visual learning. *PLoS ONE* 2008; 3(1).

Seitz AR, Kim R, van Wassenhove V, Shams L. Simultaneous and independent acquisition of multisensory and unisensory associations. *Perception* 2007; 36:1445–1453.

Seitz AR, Kim R, Shams L. Sound facilitates visual learning. *Current Biol* 2006; 16(14):1422–1427.

Conference Presentations

Kim R, Seitz AR, Shams L. Statistical learning of crossmodal associations is better than unisensory associations. Poster presentation, International Multisensory Research Forum 10th Annual Meeting, New York, NY, June/July, 2009.

Kim R, Seitz AR, Shams L. Neural mechanisms of multisensory perceptual learning. Vision Sciences Society 8th Annual Meeting, Naples, FL, May, 2008.

Kim R, Seitz AR, Shams L. Congruent sound facilitates visual perceptual learning. Society for Neuroscience 37th Annual Meeting, San Diego, CA, November, 2007.

Kim R, Seitz AR, Shams L. Visual perceptual learning enhanced with congruent sound. Poster Presentation, Vision Sciences Society 7th Annual Meeting, Sarasota, FL, May, 2007.

Kim R, Seitz AR, Shams L. Sound facilitates visual perceptual learning. International Multisensory Research Forum 7th Annual Meeting, Dublin, Ireland, June, 2006.

Kim R, Seitz AR, Shams L. Sound aids visual perceptual learning. Poster Presentation, Vision Sciences Society 6th Annual Meeting, Sarasota, FL, May, 2006.

Academic Appointments

- Postdoctoral Research Fellow, Department of Psychology, UCLA, 2009–2010
- Postdoctoral Research Fellow, Department of Psychology, UC Riverside, 2009

Peer Reviewer

- Experimental Brain Research
- Frontiers in Neuroscience
- Journal of Experimental Psychology
- Journal of Vision
- Neurobiology of Aging
- Perception

Professional Affiliations

- Vision Sciences Society (member)