

Nao Ishiko

Department of Neurobiology, Stanford University School of Medicine
Sherman Fairchild Building Room D227A, 299 Campus Drive, Palo Alto, CA 94305

Professional Experience

- July 2016 – **Life Science Research Professional**
Department of Neurobiology, Stanford University School of Medicine
Advisor: Andrew D. Huberman, Ph.D.
- 2015-2016 **Staff Research Associate**
Department of Neurosciences, University of California, San Diego
Advisor: Andrew D. Huberman, Ph.D.

Education

- 2013-2015 **M.S. Biology**
University of California, San Diego, CA
- 2013 **B.S. Physiology and Neuroscience, Cognitive Science with
Specialization in Neuroscience**
University of California, San Diego, CA

Research Publications (in reverse chronological order)

1. Seabrook TA, Dhande OS, **Ishiko N**, Wooley VP, Nguyen PL, Huberman AD. Strict independence of parallel and poly-synaptic axon-target matching during visual reflex circuit assembly. *Cell Reports*, 2017. 21:3049-3064.
2. Hollis, E.R 2nd., **Ishiko, N.**, Yu, T., Lu CC., Haimovich, A., Tolentino, K., Richman, A., Tury, A., Wang, SH., Pessian, M., Jo, E., Kolodkin, A., and Zou, Y. Ryk controls remapping of motor cortex during functional recovery after spinal cord injury. *Nature Neuroscience*. 2016 May;19(5):697-705.
3. Hollis, E.R 2nd., **Ishiko, N.**, Tolentino, K., Doherty, E., Rodriguez, M.J., Calcutt, N.A., and Zou, Y. A novel and robust conditioning lesion induced by ethidium bromide. *Experimental Neurology*. 2015;265:30-9.
4. Hollis, E. R 2nd., **Ishiko, N.**, Pessian, M., Tolentino, K., Lee-Kubli, C.A., Calcutt, N.A., and Zou, Y. Remodelling of spared proprioceptive circuit involving a small number of neurons supports functional recovery. *Nature Communications*. 2015;6:6079.

Review Articles

1. **Ishiko, N** and Huberman, A. Life goes by: a visual circuit signals perceptual-motor mismatch. *Nature Neuroscience*. 2016 Jan 27;19(2):177-9.

Honors

Summa Cum Laude - University of California, San Diego (2013)

Teaching Experience

Teaching Assistant:

BIPN140 Cellular Neurobiology – UCSD (2012)

BILD12 Neurobiology and Behavior UCSD – UCSD (2013)

BICD100 Genetics – UCSD (2014)

BIMM101 Recombinant DNA Techniques – UCSD (2013, 3014)

COGS172 Brain Disorders and Cognition (as a solo TA) - UCSD (2015)

BIPN152 Healthy and Diseased Brain (as a head TA) - UCSD (2015)