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Education

Bachelor of Science in Neuroscience and Biology, May 2012
Summa cum laude
Ursinus College, Collegeville, PA

Publications

Cox, M.A., **Dougherty, K.**, Adams, G.K., Reavis, E.A., Leopold, D.A., & Maier, A. (*submitted*). Attention first suppresses then enhances spiking responses in visual cortex.

Dougherty, K., Cox, M.A., Ninomiya, T., Leopold, D.A., & Maier, A. (2015). Ongoing alpha activity in V1 regulates visually driven spiking responses. *Cereb Cortex (in press)*.

Ninomiya, T., **Dougherty, K.**, Godlove, D.C., Schall, J.D. & Maier, A. (2015). Microcircuitry of agranular frontal cortex: contrasting laminar connectivity between occipital and frontal areas. *J. Neurophysiol.*, 113(9): 3242-3255.

Maier, A., Cox, M.A., **Dougherty, K.**, Moore, B. & Leopold, D.A. (2014). Anisotropy of ongoing neural activity in primate visual cortex. *Eye and Brain*. 6: 113-121.

Honors

National Eye Institute T32 Predoctoral Fellowship, Vanderbilt University, 2015-

Elsevier/Vision Research Travel Award, Vision Sciences Society, 2015

Fine Science Tools Travel Award, 2014

Lisa M. Quesenberry Foundation Award, 2013

Conference Abstracts

Dougherty, K., Cox, M.A., Leopold, D.A. & Maier, A. "Visual spiking responses in V1 couple to alpha fluctuations in deep layers." Annual Meeting of the Vision Sciences Society (VSS), 2015.

Dougherty, K., Cox, M.A., Leopold, D.A. & Maier A. "Spiking responses in V1 are coupled to the phase of infragranular alpha LFP." Annual Meeting of the Society for Neuroscience (SfN), 2014.

Ninomiya, T., **Dougherty, K.**, Godlove, D.C., Schall, J.D. & Maier, A. "Microcircuitry of agranular frontal and granular occipital cortex: Testing the generality of the canonical cortical microcircuit with cross-frequency phase-amplitude coupling during resting-state." Annual Meeting of the Society for Neuroscience (SfN), 2014.

Moore, B., Cox, M.A., **Dougherty, K.**, Young, M.S. & Maier A. "Resting state correlations in visual cortex reflect fluctuations of cortical arousal." Annual Meeting of the Society for Neuroscience (SfN), 2014.

Dougherty, K., Cox, M.A., Leopold, D.A. & Maier A. "Visually evoked cross-frequency coupling between deep and superficial layers of macaque V1." Annual Meeting of the Society for Neuroscience (SfN), 2013.

Cox, M.A., Moore, B., **Dougherty, K.**, Young, M.S. & Maier A. "LFP coherence as a function of laminar depth and lateral distances in macaque visual cortex." Annual Meeting of the Society for Neuroscience (SfN), 2013.

Moore, B., Cox, M.A., **Dougherty, K.**, Young, M.S. & Maier A. "Laminar profile of state-dependent visually evoked responses in primate visual cortex." Annual Meeting of the Society for Neuroscience (SfN), 2013.

Ninomiya, T., Godlove, D.C., **Dougherty, K.**, Maier A. & Schall, JD. "Laminar cross-frequency coupling in agranular frontal cortex." Annual Meeting of the Society for Neuroscience (SfN), 2013.

Weber J., **Dougherty K.** & Favero, C. "Effects of acute prenatal ethanol exposure on axon tract development." Annual Meeting of the Society for Neuroscience (SfN), 2011.

Bish, J., **Dougherty K.**, Meeley L.E., Brenner S., Powers C. & Vaidya A. "An electroencephalographic investigation of automaticity in grapheme-color synesthesia." Association for Psychological Science Convention, 2011.