

NEUROSCIENCE

GRADUATE DIRECTOR: LONNIE WOLLMUTH
DEPARTMENT CHAIR: LORNA ROLE

❖ Grants, Fellowships, and Awards

Fu, Yu. (2010) Sigma Xi Travel Award, \$150. *Sigma Xi*, Stony Brook, NY.

Rodriguez, Justin. (2010-2013) NIH Ruth L. Kirschstein National Research Service (NRSA) Predoctoral Fellowship, \$29,703. *National Institute of Neurological Disorders and Stroke (NINDS)*, Bethesda, MD.

Talukder, Iehab. (2009-2011) Pre-doctoral Fellowship, \$21,000/year for two years. *American Heart Association*, Dallas, TX.

Zanazzi, George. (2010) Individual Predoctoral National Research Service Award, \$28,040/yr. *NINDS*, Bethesda, MD.

Zanazzi, George. (2009) Kevin King/John Miller Travel Scholarship Award, \$300. Department of Biochemistry and Cell Biology, *Stony Brook University*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Aubele, Teresa M. and Kritzer, M.F. (In Press) Gonadectomy and hormone replacement affects *in vivo* basal extracellular dopamine levels in the prefrontal cortex but not motor cortex of adult male rats. *Cerebral Cortex*.

Gates, Keith P., Mentzer, L., Karlstrom, R.O., Sirotkin, H.I. (2010) The transcriptional repressor REST/NRSF modulates hedgehog signaling. *Dev Biol* 340(2): 293-305. PMID: 20122919

Robak, L.A., Venkatesh, K., Lee, H., Raiker, S.J., Duan, Y., **Lee-Osbourne, Jane**, Hofer, T., Mage, R.G., Rader, C., Giger, R.J. (2009) Molecular basis of the interactions of the Nogo-66 receptor and its homolog NgR2 with myelin-associated glycoprotein: development of NgROMNI-Fc, a novel antagonist of CNS myelin inhibition. *J Neurosci.* 29(18): 5768-83.

LoGiudice, Lismarie, and Matthews, G. (2009) The Role of Ribbons at Sensory Synapses. *Neuroscientist* 15(4): 380-91.

Schecterson, L.C., Hudson, M.P., Ko, M., **Philippidou, Polyxeni,** Akmentin, W., Wiley, J., Rosenblum, E., Chao, M.V., Haleboua, S., Bothwell, M. (2010) Trk activation in the secretory pathway promotes Golgi fragmentation. *Mol Cell Neurosci.* 43(4): 403-13.

Prieto, Martin and Wollmuth, L.P. (2010) Gating modes in AMPA receptors. *Journal of Neuroscience* 30: 4449-4459.

Shanthanelson, Monicca, Arvanian, V.L. and Mendell, L.M. (2009) Input- specific plasticity of NMDA-receptor mediated synaptic responses in neonatal rat motoneurons. *Eur. J. Neurosci.* 29(11): 2125-36.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Aubele, Teresa M. (2009) Comprehensive mapping of intracellular androgen receptor immunoreactivity among neurons projecting to the ventral tegmental area. *Society for Neuroscience Annual Meeting*. Washington, D.C.

- Fu, Yu,** Huang, Z.J. (2010) Presynaptic GABAB receptor signaling regulates activity-dependent development of inhibitory axon terminals. *Gordon Conference of Molecular & Cellular Neuroscience*. Hong Kong.
- Zhao, R., Nakamura, T., **Fu, Yu,** Abhishek, C., Tansey, B., Spector, D.L. (2010) Comparative Visualization of Transcriptional Induction in Interphase and Post-Mitotic Cells. *Imaging Transcription in Living Cells: A Systems and Computational Approach, HHMI*. Janelia Farm, VA.
- Fu, Yu,** Huang, J. (2009). GABA and neurexin signaling in activity-dependent development of inhibitory synapse and circuits. *Frontiers in Cellular Neuroscience. INMED Satellite Conference of SFN - Neuroscience 2009: Multiple Facets of GABA in Brain Development*. Chicago, IL.
- Yan, Q.,** Rosati, B., McKinnon, D. (2009) Structural and Regulatory Evolution of Electrophysiological Systems. *RECOMB Regulatory Genomics 2009*. Boston, MA.
- Rosati, B., **Yan, Q.,** Lee, M., Mallik, S., Liou, S.R., Foell, J., Kamp, T., McKinnon, D. (2009) Compensatory Responses to Heterozygous Conditional Knockout of the Cav1.2 Gene in Mouse Heart. *American Heart Association Scientific Sessions 2009*. Orlando, FL.
- Rosati, B., **Yan, Q.,** Liou, S.R., McKinnon, D. (2009) Evolution of Electrophysiological Systems. *74th Symposium: Evolution - The Molecular Landscape*. Cold Spring Harbor Lab, Cold Spring Harbor, NY.