

Stanford

Yong Tang

- MD Student, expected graduation Spring 2021
- Ph.D. Student in Biochemistry, admitted Autumn 2018
- MSTP Student

Publications

PUBLICATIONS

- **A mutagenesis screen for essential plastid biogenesis genes in human malaria parasites.** *PLoS biology*
Tang, Y., Meister, T. R., Walczak, M., Pulkoski-Gross, M. J., Hari, S. B., Sauer, R. T., Amberg-Johnson, K., Yeh, E.
2019; 17 (2): e3000136
- **Processive flow by biased polymerization mediates the slow axonal transport of actin.** *The Journal of cell biology*
Chakrabarty, N., Dubey, P., Tang, Y., Ganguly, A., Ladit, K., Leterrier, C., Jung, P., Roy, S.
2018
- **A dynamic formin-dependent deep F-actin network in axons.** *The Journal of cell biology*
Ganguly, A., Tang, Y., Wang, L., Ladit, K., Loi, J., Dargent, B., Leterrier, C., Roy, S.
2015; 210 (3): 401–17
- **#-synuclein multimers cluster synaptic vesicles and attenuate recycling.** *Current biology : CB*
Wang, L., Das, U., Scott, D. A., Tang, Y., McLean, P. J., Roy, S.
2014; 24 (19): 2319–26
- **Fast vesicle transport is required for the slow axonal transport of synapsin.** *journal of neuroscience*
Tang, Y., Scott, D., Das, U., Gitler, D., Ganguly, A., Roy, S.
2013; 33 (39): 15362-15375
- **Activity-Induced Convergence of APP and BACE-1 in Acidic Microdomains via an Endocytosis-Dependent Pathway** *NEURON*
Das, U., Scott, D. A., Ganguly, A., Koo, E. H., Tang, Y., Roy, S.
2013; 79 (3): 447-460
- **The Slow Axonal Transport of Alpha-Synuclein-Mechanistic Commonalities Amongst Diverse Cytosolic Cargoes (vol 69, pg 506, 2012)** *CYTOSKELETON*
Tang, Y., Das, U., Scott, D. A., Roy, S.
2013; 70 (4): 240-240
- **Early and Selective Impairments in Axonal Transport Kinetics of Synaptic Cargoes Induced by Soluble Amyloid beta-Protein Oligomers** *TRAFFIC*
Tang, Y., Scott, D. A., Das, U., Edland, S. D., Radomski, K., Koo, E. H., Roy, S.
2012; 13 (5): 681-693
- **A simple photoactivation and image analysis module for visualizing and analyzing axonal transport with high temporal resolution** *NATURE PROTOCOLS*
Roy, S., Yang, G., Tang, Y., Scott, D. A.
2012; 7 (1): 62-68
- **Mechanistic Logic Underlying the Axonal Transport of Cytosolic Proteins** *NEURON*
Scott, D. A., Das, U., Tang, Y., Roy, S.
2011; 70 (3): 441-454
- **A Pathologic Cascade Leading to Synaptic Dysfunction in alpha-Synuclein-Induced Neurodegeneration** *JOURNAL OF NEUROSCIENCE*
Scott, D. A., Tabarean, I., Tang, Y., Cartier, A., Masliah, E., Roy, S.
2010; 30 (24): 8083-8095