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Ph.D. Student in Chemistry, admitted Autumn 2016

Publications

PUBLICATIONS

- Evidence that toxin resistance in poison birds and frogs is not rooted in sodium channel mutations and may rely on "toxin sponge" proteins
  CELL PRESS. 2022: 25

- Evidence that toxin resistance in poison birds and frogs is not rooted in sodium channel mutations and may rely on "toxin sponge" proteins. The Journal of general physiology
  2021; 153 (9)

- Differential effects of modified batrachotoxins on voltage-gated sodium channel fast and slow inactivation. Cell chemical biology
  2021

- Structure-Activity Relationship Evaluation of Wasp Toxin beta-PMTX Leads to Analogs with Superior Activity for Human Neuronal Sodium Channels ACS MEDICINAL CHEMISTRY LETTERS
  Garrison, C. E., Guan, W., Kato, M., Tamsett, T., Patel, T., Sun, Y., Pathak, T. P.
  2020; 11 (3): 353–57

- Veratridine: A Janus-Faced Modulator of Voltage-Gated Sodium Ion Channels. ACS chemical neuroscience
  2020

- Striatal Cholinergic Interneurons Modulate Spike-Timing in Striosomes and Matrix by an Amphetamine-Sensitive Mechanism FRONTIERS IN NEUROANATOMY
  Crittenden, J. R., Lacey, C. J., Weng, F., Garrison, C. E., Gibson, D. J., Lin, Y., Graybiel, A. M.
  2017; 11: 20

  2014; 4 (4): 879-888