Recent publications:

1. Kron, N.S., and L.A. Fieber. 2021 In press. Aplysia Neurons as a Model of Alzheimer's Disease: Shared Genes and Differential Expression. J. Molec. Neurosci.

2. Kron, N.S., and L.A. Fieber. Co-expression analysis identifies neuro-inflammation as driver of sensory neuron aging in *Aplysia californica*. PLoSONE 16(6): e0252647. PMCID:8195618 https://doi.org/10.1371/journal.pone.0252647

3. Kron, N.S., Schmale, M.C., and L.A. Fieber. 2020. Changes in metabolism and proteostasis drive aging phenotype in *Aplysia californica* sensory neurons. Front. Aging Neurosci, 12:280. PMCID: PMC7522570 Doi: 10.3389/fnagi.2020.573764

4. Heuer, R.M., Galli, G.L.J., Shiels, H.A., Fieber, L.A., Cox, G.K., Stieglitz, J.D. Benetti, D.D., Grosell, M., and D.A. Crossley II. 2019. Impacts of *Deepwater Horizon* crude oil on mahi-mahi (*Coryphaena hippurus*) heart cell function. Env. Sci Tech. 53 (16):9895-9904. PMID:31343865 doi: 10.1021/acs.est.9b03798

5. Greer, J.B., Mager, E. M., and L.A. Fieber. 2019. Altered expression of ionotropic L-glutamate receptors in aged sensory neurons of *Aplysia californica.* PLoS One 14(5): e0217300. PMCID:6532900 doi: 0.1371/journal.pone.0217300

6. Greer, J.B., Schmale, M.C., and L.A. Fieber. 2018. Whole-transcriptome changes in gene expression accompany aging of sensory neurons in Aplysia californica. BMC Genomics, 19(1):529. PMCID:PMC6042401 doi: 10.1186/s12864-018-4909-1

7. Fieber, L.A., Kron, N.S., Greer, J.B., Rooney, H., Prostko, R.A., Stieglitz, J.D., Grosell, M., and P.R. Gillette. 2018. A comparison of hatchery-rearing in exercise to wild animal physiology and reflex behavior in *Aplysia californica*. Comp. Biochem. Physiol. A, 221:24-31. PMCID:PMC5930039 doi: 10.1016/j.cbpa.2018.03.006

8. Greer, J.B., S. Khuri and L.A. Fieber. 2017. Phylogenetic analysis of ionotropic L-glutamate receptor genes in *Aplysia californica.* BMC Evolutionary Biology 17, 1(11). PMCID:PMC5225553 doi:10.1186/s12862-016-0871-1

9. David, K.T., Tanabe, P. and L.A. Fieber. 2016. Resource availability drives mating role choice in a simultaneous hermaphrodite, *Aplysia californcia.* Biol Bull. 231:199-206. PMCID: PMC5365073. doi: 10.1086/691067

10. Kempsell, A.T. and L. A. Fieber. 2016. Habituation in the tail withdrawal reflex circuit is impaired during aging in *Aplysia californica.* Front. Aging Neurosci. 8:24. PMCID: 4751345. doi: 10.3389/fnagi.2016.00024

11. Kempsell, A.T. and L. A. Fieber. 2015. Age-related deficits in synaptic plasticity rescued by activating PKA or PKC in sensory neurons of *Aplysia californica.* Front. Aging Neurosci. 7:173. PMCID: PMC4558425. doi: 10.03389/fnadi.2015.00173

12. Kempsell, A.T and L. A. Fieber. 2015. Aging in sensory and motor neurons results in learning failure in *Aplysia californica*. PLoS One 10(5): e0127056. PMCID: PMC 4430239. doi: 0.1371/journal.pone.0127056

13. Kempsell, A.T. and L. A. Fieber. 2014. Behavioral aging is associated with reduced sensory neuron excitability in Aplysia californica. Front. Aging Neurosci. 6: 84. PMCID: PMC4023074. doi: 10.3389/fnagi.2014.00084