

## Selected Recent Publications

Muniz Partida C, **Walters E**. A novel immunohistochemical protocol for paraffin embedded tissue sections using free-floating techniques. *Front Neuroanat*. 2023 May 10;17:1154568. doi: 10.3389/fnana.2023.1154568. PMID: 37235185; PMCID: PMC10206034.

Alsaffar N, Fang Y, **Walters E**. Thymoquinone effect on the *Dictyostelium discoideum* model correlates with functional roles for glutathione S-transferases in eukaryotic proliferation, chemotaxis, and development. *PLoS One*. 2023 Mar 1;18(3):e0282399. doi: 10.1371/journal.pone.0282399. PMID: 36857392; PMCID: PMC9977050.

Mulgrave VE, Alsayegh AA, Jaldi A, Omire-Mayor DT, James N, Ntekim O, **Walters E**, Akala EO, Allard JS. Exercise modulates APOE expression in brain cortex of female APOE3 and APOE4 targeted replacement mice. *Neuropeptides*. 2023 Feb;97:102307. doi: 10.1016/j.npep.2022.102307. Epub 2022 Nov 17. PMID: 36434832; PMCID: PMC9839612.

Garige M., **Walters E**. (2021) Characterization and functional analyses of GSTA2 and GSTA3 metabolizing enzymes of the eukaryotic model organism, *Dictyostelium discoideum*. <https://doi.org/10.1371/journal.pone.0250704>

Garige M., **Walters E**. (2015) Curcumin inhibits development and cell adhesion in *Dictyostelium discoideum*: Implications for YakA signaling and GST enzyme function. *Biochem Biophys Res Commun*. 467(2):275-81.

## Recent Presentations

Muniz Partida C., Alsaffar N., **Walters E**. Bioinformatic Assessment of *Dictyostelium discoideum* Glutathione S-transferase Suggests Non-Enzymatic Influence(s) on the YakA Signaling Pathway through S-Glutathionylation. Emerging Researchers National Conference in STEM, Washington, D.C., February 2020.

Little-Jackson N., Alsaffar N., **Walters E**. Bioinformatic Assessment of the *Dictyostelium discoideum* Glutathione S-transferase A3 (DdGSTA3) Enzyme: Putative Non-Enzymatic Roles in Cellular Signaling. Emerging Researchers National Conference in STEM, Washington, D.C., February 2020.

Assessment of Retentive Memory in a Novel SwAPP-Tshr Mouse Model for Alzheimer's disease and Hypothyroidism. Carolina N. Muniz and **Eric Walters**, Bouchet Honors Society Annual Conference, Yale University, New Haven, CT, March 2023.

Thyroid Stimulating Hormone Receptor (TSHR) and G Protein-coupled Receptor 37 (GPR37) Belong to the Class A Type of G-coupled Protein Receptors. Carolina N. Muniz and **Eric Walters**, Graduate Research Day Program (Department of Biochemistry and Molecular Biology, Howard University), May 2023.