



## Gabriella Muwanga

Ph.D. Student in Neurosciences, admitted Autumn 2019

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#### BIO

Gabriella Muwanga is a Neurosciences graduate student in the Tawfik and Airan labs at Stanford. She is interested in understanding acute and chronic pain mechanisms and developing therapies for acute and chronic pain through basic and translational research. Gabriella holds a Bachelor of Science in Biomedical Sciences from Makerere University, Kampala, Uganda. She is passionate about teaching, mentorship, science communication, and fostering diversity in science. Outside the lab, she enjoys writing, singing, drawing, Bible Study, and fellowship.

#### EDUCATION AND CERTIFICATIONS

- BSc, Makerere University, Kampala, Uganda , Biomedical and Biological Sciences (2018)

### Publications

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#### PUBLICATIONS

- **Acoustomechanically activatable liposomes for ultrasonic drug uncaging.** *bioRxiv : the preprint server for biology*  
Purohit, M. P., Roy, K. S., Xiang, Y., Yu, B. J., Azadian, M. M., Muwanga, G., Hart, A. R., Taoube, A. K., Lopez, D. G., Airan, R. D.  
2023
- **Sex-distinct microglial activation and myeloid cell infiltration in the spinal cord after painful peripheral injury.** *Neurobiology of pain (Cambridge, Mass.)*  
Huck, N. A., Donovan, L. J., Shen, H., Jordan, C. E., Muwanga, G. P., Bridges, C. M., Forman, T. E., Cordonnier, S. A., Haight, E. S., Dale-Huang, F., Takemura, Y., Tawfik, V. L.  
2022; 12: 100106
- **The Tibial Fracture-Pin Model: A Clinically Relevant Mouse Model of Orthopedic Injury.** *Journal of visualized experiments : JoVE*  
Muwanga, G. P., Siliezar-Doyle, J., Ortiz, A. A., Kaslow, J., Haight, E. S., Tawfik, V. L.  
2022
- **Mechanical Conflict-Avoidance Assay to Measure Pain Behavior in Mice.** *Journal of visualized experiments : JoVE*  
Gaffney, C. M., Muwanga, G., Shen, H., Tawfik, V. L., Shepherd, A. J.  
2022
- **Combined single-molecule fluorescence in situ hybridization and immunohistochemistry analysis in intact murine dorsal root ganglia and sciatic nerve.** *STAR protocols*  
Li, X., Eadara, S., Jeon, S., Liu, Y., Muwanga, G., Qu, L., Caterina, M. J., Meffert, M. K.  
2021; 2 (2): 100555