



Abigail Rogers

Ph.D. Student in Biology, admitted Autumn 2022

Publications

PUBLICATIONS

- **Serotonergic neuron-glioma interactions drive high-grade glioma pathophysiology.** *bioRxiv : the preprint server for biology*
Drexler, R., Yalçın, B., Mancusi, R., Rogers, A., Shamardani, K., Woo, P. J., Ravel, A., Wu, S., Yabo, Y. A., Steger, L., de Biagi-Junior, C. A., Cascio, C. L., Malenka, et al
2025
- **PSILOCYBIN INDUCES SUSTAINED GLIOMA GROWTH THROUGH SEROTONERGIC AND TRKB PATHWAYS**
Drexler, R., Yalçın, B., Mancusi, R., Rogers, A., Shamardani, K., Woo, P., Ravel, A., Yabo, Y. A., De Biagi-Junior, C., Lo Cascio, C., Malenka, R., Heifets, B., Filbin, et al
OXFORD UNIV PRESS INC.2025: v61-v62
- **Cholinergic neuronal activity promotes diffuse midline glioma growth through muscarinic signaling.** *Cell*
Drexler, R., Drinnenberg, A., Gavish, A., Yalçın, B., Shamardani, K., Rogers, A. E., Mancusi, R., Trivedi, V., Taylor, K. R., Kim, Y. S., Woo, P. J., Soni, N., Su, et al
2025
- **BRAINSTEM NEUROMODULATORY NEURONS PROMOTE GLIOMA GROWTH LOCALLY AND VIA LONG-RANGE PROJECTIONS TO MIDLINE AND CORTICAL STRUCTURES**
Drexler, R., Drinnenberg, A., Gavish, A., Yalçın, B., Shamardani, K., Rogers, A., Mancusi, R., Taylor, K., Kim, Y., Woo, P., Ravel, A., Tatlock, E., Jokhai, et al
OXFORD UNIV PRESS INC.2024
- **Cholinergic Neuronal Activity Promotes Diffuse Midline Glioma Growth through Muscarinic Signaling.** *bioRxiv : the preprint server for biology*
Drexler, R., Drinnenberg, A., Gavish, A., Yalçın, B., Shamardani, K., Rogers, A., Mancusi, R., Taylor, K. R., Kim, Y. S., Woo, P. J., Ravel, A., Tatlock, E., Ramakrishnan, et al
2024
- **Myelin plasticity in the ventral tegmental area is required for opioid reward.** *Nature*
Yalçın, B., Pomrenze, M. B., Malacon, K., Drexler, R., Rogers, A. E., Shamardani, K., Chau, I. J., Taylor, K. R., Ni, L., Contreras-Esquivel, D., Malenka, R. C., Monje, M.
2024