

## Shreya Malhotra

- MD Student, expected graduation Spring 2027
- Ph.D. Student in Neurosciences, admitted Autumn 2022
- MSTP Student

### Publications

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#### PUBLICATIONS

- **Integrating endocannabinoid signaling, CCK interneurons, and hippocampal circuit dynamics in behaving animals.** *Neuron*  
Malhotra, S., Donneger, F., Farrell, J. S., Dudok, B., Losonczy, A., Soltesz, I.  
2025
- **Retrograde endocannabinoid signaling at inhibitory synapses in vivo.** *Science (New York, N.Y.)*  
Dudok, B., Fan, L. Z., Farrell, J. S., Malhotra, S., Homidan, J., Kim, D. K., Wenardy, C., Ramakrishnan, C., Li, Y., Deisseroth, K., Soltesz, I.  
2024; 383 (6686): 967-970
- **Clinical outcomes and cost differences between patients undergoing primary anterior cervical discectomy and fusion procedures with private or Medicare insurance: a propensity score matched study.** *World neurosurgery*  
Shah, V., Rodrigues, A. J., Malhotra, S., Johnstone, T., Varshneya, K., Haider, G., Stienen, M. N., Veeravagu, A.  
2023
- **Chronic opioid use prior to ACDF surgery is associated with inferior post-operative outcomes: a propensity-matched study of 17,443 chronic opioid users.** *World neurosurgery*  
Rodrigues, A. J., Varshneya, K., Schonfeld, E., Malhotra, S., Stienen, M. N., Veeravagu, A.  
2022
- **Climbing Fiber-Mediated Spillover Transmission to Interneurons Is Regulated by EAAT4.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Malhotra, S., Banumurthy, G., Pennock, R. L., Vaden, J. H., Sugihara, I., Overstreet-Wadiche, L., Wadiche, J. I.  
2021; 41 (39): 8126-8133
- **Training needs assessment: tool utilization and global impact.** *BMC medical education*  
Markaki, A., Malhotra, S., Billings, R., Theus, L.  
2021; 21 (1): 310
- **Differences in treatment patterns and overall survival between grade II and anaplastic pleomorphic xanthoastrocytomas.** *Journal of neuro-oncology*  
Rodrigues, A., Bhambhani, H., Medress, Z. A., Malhotra, S., Hayden-Gephart, M.  
2021