

## Karen Elizabeth Malacon

- MD Student, expected graduation Spring 2025
- Ph.D. Student in Neurosciences, admitted Autumn 2022
- MSTP Student

### Publications

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#### PUBLICATIONS

- **First reported use of machine vision image guided system for unstable thoracolumbar fusion: Technical case report** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*  
Malacon, K., Fatemi, P., Zygorakis, C. C.  
2022; 30
- **Operative Versus Nonoperative Management of Unstable Spine Fractures in the Elderly: Outcomes and Mortality.** *Spine*  
Malacon, K., Rangwalla, T., Wadhwa, H., Zygorakis, C.  
2022
- **Prenatal opioid exposure inhibits microglial sculpting of the dopamine system selectively in adolescent male offspring.** *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*  
Smith, C. J., Lintz, T., Clark, M. J., Malacon, K. E., Abiad, A., Constantino, N. J., Kim, V. J., Jo, Y. C., Alonso-Carballo, Y., Bilbo, S. D., Chartoff, E. H.  
2022; 47 (10): 1755-1763
- **Prenatal environmental stressors impair postnatal microglia function and adult behavior in males.** *Cell reports*  
Block, C. L., Eroglu, O., Mague, S. D., Smith, C. J., Ceasrine, A. M., Sriworarat, C., Blount, C., Beben, K. A., Malacon, K. E., Ndubizu, N., Talbot, A., Gallagher, N. M., Chan Jo, et al  
2022; 40 (5): 111161
- **Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation.** *Cell*  
Fernández-Castañeda, A., Lu, P., Geraghty, A. C., Song, E., Lee, M. H., Wood, J., O'Dea, M. R., Dutton, S., Shamardani, K., Nwangwu, K., Mancusi, R., Yalcın, B., Taylor, et al  
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- **First reported use of real-time intraoperative computed tomography angiography image registration using the Machine-vision Image Guided Surgery system: illustrative case.** *Journal of neurosurgery. Case lessons*  
Wadhwa, H., Malacon, K., Medress, Z. A., Leung, C., Sklar, M., Zygorakis, C. C.  
2021; 1 (18): CASE2125
- **Internal state configures olfactory behavior and early sensory processing in Drosophila larvae** *SCIENCE ADVANCES*  
Vogt, K., Zimmerman, D. M., Schlichting, M., Hernandez-Nunez, L., Qin, S., Malacon, K., Rosbash, M., Pehlevan, C., Cardona, A., Samuel, A. T.  
2021; 7 (1)
- **Sex differences in microglia as a risk factor for Alzheimer's disease** *Sex and Gender Differences in Alzheimer's disease*  
Delage, C., Rendina, D. N., Malacon, K. E., Tremblay, M., Bilbo, S. D.  
Elsevier Inc..2021; 1: 79-104
- **Neonatal immune challenge induces female-specific changes in social behavior and somatostatin cell number** *BRAIN BEHAVIOR AND IMMUNITY*  
Smith, C. J., Kingsbury, M. A., Dziabis, J. E., Hanamsagar, R., Malacon, K. E., Tran, J. N., Norris, H. A., Gulino, M., Bordt, E. A., Bilbo, S. D.  
2020; 90: 332-45