Stanford

Lehi Acosta-Alvarez

- MD Student, expected graduation Spring 2027
- Ph.D. Student in Cancer Biology, admitted Summer 2021
- MSTP Student

Publications

PUBLICATIONS

- **Host genotype and sex shape influenza evolution and defective viral genomes.** *Nature communications*
  Costa, R. M., Acosta-Alvarez, L., Curtis, K., Zarbock, K., Kelleher, J., Lamichhane, B. S., Valesano, A. L., Fitzsimmons, W. J., Lauring, A. S., Seger, J., Adler, F. R., Potts, W. K.
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- **Dysregulated Microglial Synaptic Engulfment in Diffuse Midline Glioma.** *bioRxiv : the preprint server for biology*
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- **Neuronal activity-dependent mechanisms of small cell lung cancer pathogenesis.** *Nature*
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- **Immunotherapy-related cognitive impairment after CAR T cell therapy in mice.** *Cell*
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- **Influenza virus evolution and defective genome formation are shaped by host genotype and sex.** *bioRxiv : the preprint server for biology*
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  2024

- **Training the next generation of community-engaged physicians: a mixed-methods evaluation of a novel course for medical service learning in the COVID-19 era.** *BMC medical education*
  Scala, J. J., Cha, H., Shamardani, K., Rashes, E. R., Acosta-Alvarez, L., Mediratta, R. P.
  2024; 24 (1): 426

- **Basal stem cell progeny establish their apical surface in a junctional niche during turnover of an adult barrier epithelium.** *Nature cell biology*
  Galenza, A., Moreno-Roman, P., Su, Y. H., Acosta-Alvarez, L., Debec, A., Guichet, A., Knapp, J. M., Kizilyaprak, C., Humbel, B. M., Kolotuev, I., O'Brien, L. E.

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- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with immune effector cell-associated neurotoxicity syndrome (ICANS) following CD19 CAR T-cell therapy for mantle cell lymphoma.** *Journal of neuropathology and experimental neurology*
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  Fernández-Castañeda, A., Lu, P., Geraghty, A. C., Song, E., Lee, M. H., Wood, J., Yalçın, B., Taylor, K. R., Dutton, S., Acosta-Alvarez, L., Ni, L., Contreras-Esquivel, D., Gehlhausen, et al
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- **The small GTPase ARF6 activates PI3K in melanoma to induce a pro-metastatic state.** *Cancer research*
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