

Kayla Kulhanek

- MD Student, expected graduation Spring 2026
- Ph.D. Student in Cancer Biology, admitted Autumn 2023
- MSTP Student

Publications

PUBLICATIONS

- **IL-9 as a naturally orthogonal cytokine with optimal JAK/STAT signaling for engineered T cell therapy.** *Immunity*
Jiang, H., Limsuwannarot, S., Kulhanek, K. R., Pal, A., Labiad, O., Rysavy, L. W., Wong, A., Su, L., Cavender, S., Soro, J., Testa, S., Ogana, H., Waghray, et al
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- **Bariatric Surgery: Improving Access without Compromising Outcomes.** *Obesity surgery*
Chinn, J. O., Bartoletti, S., Shen, J. X., Kulhanek, K. R., Shacker, M., Zak, Y., Azagury, D. E., Esquivel, M. M.
2025
- **The Impact of Socioeconomic Disadvantage on Metabolic and Bariatric Surgical Outcomes using Area Deprivation Index.** *Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract*
Chinn, J. O., Kulhanek, K. R., Shen, J. X., Shacker, M., Zak, Y., Azagury, D. E., Esquivel, M. M.
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- **IL-9 as a naturally orthogonal cytokine with optimal JAK/STAT signaling for engineered T cell therapy.** *bioRxiv : the preprint server for biology*
Jiang, H., Limsuwannarot, S., Kulhanek, K. R., Pal, A., Rysavy, L. W., Su, L., Labiad, O., Testa, S., Ogana, H., Waghray, D., Tao, P., Jude, K. M., Seet, et al
2025
- **The Impact of Area Deprivation Index on Bariatric Surgical Outcomes**
Chinn, J., Adams, M., Kulhanek, K. R., Shen, J. X., Tennakoon, L., Bartoletti, S., Azagury, D. E., Esquivel, M.
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- **Targeted Bias: The Next Swing at IL2 Therapy.** *Cancer discovery*
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- **SARS-CoV-2 infection of airway organoids reveals conserved use of Tetraspanin-8 by Ancestral, Delta, and Omicron variants.** *Stem cell reports*
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2023; 18 (3): 636-653
- **Dysregulated RASGRP1 expression through RUNX1 mediated transcription promotes autoimmunity.** *European journal of immunology*
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2021; 51 (2): 471-482
- **Protocol for Barcoding T Cells Combined with Timed Stimulations.** *STAR protocols*
Kulhanek, K. R., Myers, D. R., Ksionda, O., Vercoulen, Y., Romero-Moya, D., Roose, J. P.
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- **Cryo-EM structure of a dimeric B-Raf:14-3-3 complex reveals asymmetry in the active sites of B-Raf kinases.** *Science (New York, N.Y.)*
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- **Alternative ZAP70-p38 signals prime a classical p38 pathway through LAT and SOS to support regulatory T cell differentiation.** *Science signaling*

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