



## Aaron James Wilk

- MD Student, expected graduation Spring 2022
- Ph.D. Student in Immunology, admitted Summer 2018
- MSTP Student

### Bio

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#### EDUCATION AND CERTIFICATIONS

- Bachelor of Science, Westmont College, Biology, Chemistry, Music (2016)

### Publications

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#### PUBLICATIONS

- **Multi-omic profiling reveals widespread dysregulation of innate immunity and hematopoiesis in COVID-19.** *The Journal of experimental medicine*  
Wilk, A. J., Lee, M. J., Wei, B., Parks, B., Pi, R., Martinez-Colon, G. J., Ranganath, T., Zhao, N. Q., Taylor, S., Becker, W., Stanford COVID-19 Biobank, Jimenez-Morales, D., Blomkalns, A. L., et al  
2021; 218 (8)
- **Synthetic Siglec-9 Agonists Inhibit Neutrophil Activation Associated with COVID-19.** *ACS central science*  
Delaveris, C. S., Wilk, A. J., Riley, N. M., Stark, J. C., Yang, S. S., Rogers, A. J., Ranganath, T., Nadeau, K. C., Blish, C. A., Bertozzi, C. R.  
2021; 7 (4): 650-657
- **A single-cell atlas of the peripheral immune response in patients with severe COVID-19.** *Nature medicine*  
Wilk, A. J., Rustagi, A., Zhao, N. Q., Roque, J., Martinez-Colon, G. J., McKechnie, J. L., Ivison, G. T., Ranganath, T., Vergara, R., Hollis, T., Simpson, L. J., Grant, P., Subramanian, et al  
2020
- **Charge-altering releasable transporters enable phenotypic manipulation of natural killer cells for cancer immunotherapy.** *Blood advances*  
Wilk, A. J., Weidenbacher, N. L., Vergara, R. n., Haabeth, O. A., Levy, R. n., Waymouth, R. M., Wender, P. A., Blish, C. A.  
2020; 4 (17): 4244-55
- **Integrated analysis of multimodal single-cell data.** *Cell*  
Hao, Y., Hao, S., Andersen-Nissen, E., Mauck, W. M., Zheng, S., Butler, A., Lee, M. J., Wilk, A. J., Darby, C., Zager, M., Hoffman, P., Stoeckius, M., Papalexi, et al  
2021
- **SARS-CoV-2 RNAemia predicts clinical deterioration and extrapulmonary complications from COVID-19.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
Ram-Mohan, N. n., Kim, D. n., Zudock, E. J., Hashemi, M. M., Tjandra, K. C., Rogers, A. J., Blish, C. A., Nadeau, K. C., Newberry, J. A., Quinn, J. V., O'Hara, R. n., Ashley, E. n., Nguyen, et al  
2021
- **Diversification of human NK cells: Lessons from deep profiling.** *Journal of leukocyte biology*  
Wilk, A. J., Blish, C. A.  
2018
- **Bordetella PlrSR regulatory system controls BvgAS activity and virulence in the lower respiratory tract.** *Proceedings of the National Academy of Sciences of the United States of America*  
Bone, M. A., Wilk, A. J., Perault, A. I., Marlatt, S. A., Scheller, E. V., Anthouard, R., Chen, Q., Stibitz, S., Cotter, P. A., Julio, S. M.

