Stanford



Savannah Lewis

Postdoctoral Scholar, Infectious Diseases

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , MI-PHD (2026)
- BS, Brown University , Biology (Cell and Molecular Biology) (2021)

STANFORD ADVISORS

- Prasanna Jagannathan, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Gravidity-dependent protection against placental malaria is associated with enhanced natural killer cell-mediated antibody-dependent cellular activation: a nested cohort study.** *EBioMedicine*

  Lewis, S. N., Delmastro, A., Lopez-Perez, M., Presti, S., Kirosingh, A. S., Nankya, F., Musinguzi, K., Kizza, J., Kakuru, A., Ofori, M., Dressman, J., Bendall, S. C., Dorsey, et al

  2026; 131: 106446

- **CXCR6+CD127- Tr1 cells balance immunity and persistence in Plasmodium falciparum infection.** *The Journal of clinical investigation*

  Nideffer, J., Bach, F., Strubbe, S., Lopez, L., Zedi, M., Nankya, F., Briggs, J., van der Ploeg, K., Musinguzi, K., Kim, S., Garcia Romero, A., Keya, A., Camanag, et al

  2026

- **Natural killer cell antibody-dependent cellular cytotoxicity to Plasmodium falciparum is impacted by cellular phenotypes, erythrocyte polymorphisms, parasite diversity and intensity of transmission.** *Clinical & translational immunology*

  Tukwasibwe, S., Lewis, S. N., Taremwa, Y., van der Ploeg, K., Press, K. D., Ty, M., Namirimu Nankya, F., Musinguzi, K., Nansubuga, E., Bach, F., Chamai, M., Okitwi, M., Tumusiime, et al

  2024; 13 (11): e70005

- **Natural killer cells and antibodies versus malaria.** *Nature microbiology*

  Lewis, S. N., Guiton, P. S.

  2023; 8 (6): 1001

- **Malaria-driven expansion of adaptive-like functional CD56-negative NK cells correlates with clinical immunity to malaria.** *Science translational medicine*

  Ty, M., Sun, S., Callaway, P. C., Rek, J., Press, K. D., van der Ploeg, K., Nideffer, J., Hu, Z., Klemm, S., Greenleaf, W., Donato, M., Tukwasibwe, S., Arinaitwe, et al

  2023; 15 (680): eadd9012