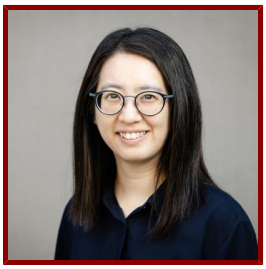
Stanford



Angel Kongsomboonvech

Basic Life Research Scientist, Medicine - Med/Infectious Diseases

SUPERVISORS

- Prasanna Jagannathan

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- MCHRI Postdoctoral Support, MCHRI (Stanford Maternal & Child Health Research Institute) (09/01/2022 - 08/31/2024)
- T32 Postdoctoral Trainee, NIH NIDDK; Stanford School of Medicine, Department of Pediatrics, Division of Hematology/Oncology (02/01/2021 - 01/31/2023)

PROFESSIONAL EDUCATION

- Doctor of Philosophy (PhD), University of California, Merced , Immunoparasitology (2020)
- Master of Health Science (MHS), Quinnipiac University , Biomedical Sciences (2014)
- Bachelor of Science (BS), University of California, Los Angeles , Biochemistry (2009)

Research & Scholarship

LAB AFFILIATIONS

- Prasanna Jagannathan (5/4/2026)
- Elizabeth Egan (1/19/2021 - - 9/19/2025)

Publications

PUBLICATIONS

- **CD44 cross-linking promotes Plasmodium falciparum invasion.** *Nature communications*
  Kongsomboonvech, A. K., Scally, S. W., Le Guen, Y., Valissery, P., Salinas, N. D., Cowman, A. F., Tolia, N. H., Egan, E. S.
  2025
- **Cross-Linking of Erythrocyte CD44 Promotes Plasmodium Falciparum Invasion**
  Kongsomboonvech, A. K., Valissery, P., Salinas, N. D., Tolia, N., Egan, E. S.
  ELSEVIER.2024: 942
- **Plasmodium falciparum exploits CD44 as a co-receptor for erythrocyte invasion.** *Blood*
  Baro, B., Kim, C. Y., Lin, C., Kongsomboonvech, A. K., Tetard, M., Peterson, N. A., Salinas, N. D., Tolia, N. H., Egan, E. S.
  2023

- **Variation in CD8 T cell IFNγ differentiation to strains of Toxoplasma gondii is characterized by small effect QTLs with contribution from ROP16** *Frontiers in Cellular and Infection Microbiology*

  Kongsomboonvech, A. K., García-López, L., Njume, F., Rodriguez, F., Souza, S. P., Rosenberg, A., Jensen, K. D.

  2023: 1130965

- **Naive CD8 T cell IFN gamma responses to a vacuolar antigen are regulated by an inflammasome-independent NLRP3 pathway andToxoplasma gondiiROP5** *PLOS PATHOGENS*

  Kongsomboonvech, A. K., Rodriguez, F., Diep, A. L., Justice, B. M., Castallanos, B. E., Camejo, A., Mukhopadhyay, D., Taylor, G. A., Yamamoto, M., Saeij, J. P. J., Reese, M. L., Jensen, K. D. C.

  2020; 16 (8): e1008327