Stanford



Trisha Barnard

Postdoctoral Scholar, Infectious Diseases

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, McGill University , Microbiology & Immunology (2022)
- Bachelor of Science, University of British Columbia , Combined Honors Biochemistry & Chemistry (2016)

STANFORD ADVISORS

- Catherine Blish, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Zika virus produces two isoforms of the NS2A protein that play mutually exclusive roles in viral replication and virion assembly.** *PLoS pathogens*
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- **Evolutionary refinement of the ZIKV 5' UTR dictates a trade-off between RNA stability and promoter accessibility.** *NAR molecular medicine*
  Wang, A. B., Abram, Q. H., Camargo, C., Barnard, T. R., Sagan, S. M.
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- **Profiling the natural killer cell response to acute Zika virus infection by mass cytometry**
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- **Zika virus induces persistent phenotypic changes in natural killer cells distinct from dengue virus infection.** *bioRxiv : the preprint server for biology*
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- **Membrane-wide screening identifies potential tissue-specific determinants of SARS-CoV-2 tropism.** *PLoS pathogens*
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- **NK Cell-Monocyte Cross-talk Underlies NK Cell Activation in Severe COVID-19.** *Journal of immunology (Baltimore, Md. : 1950)*
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- **A highly sensitive strand-specific multiplex RT-qPCR assay for quantitation of Zika virus replication** *JOURNAL OF VIROLOGICAL METHODS*
  Barnard, T. R., Wang, A. B., Sagan, S. M.
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- **Molecular Determinants of Flavivirus Virion Assembly** *TRENDS IN BIOCHEMICAL SCIENCES*
  Barnard, T. R., Abram, Q. H., Lin, Q., Wang, A. B., Sagan, S. M.
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- **Hepatitis B Virus Therapeutic Agent ARB-1740 Has Inhibitory Effect on Hepatitis Delta Virus in a New Dually-Infected Humanized Mouse Model** *ACS INFECTIOUS DISEASES*
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- **Zika virus infection: induction, restriction and evasion of host interferon responses** *FUTURE VIROLOGY*
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- **Lipid nanoparticle siRNA treatment of Ebola-virus-Makona-infected nonhuman primates** *NATURE*
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