

# Stanford

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## Trisha Barnard

Postdoctoral Scholar, Infectious Diseases

### Bio

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#### 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

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#### PUBLICATIONS

- **Zika virus NS3 and NS5 proteins determine strain-dependent differences in dsRNA accumulation in a host cell type-dependent manner.** *The Journal of general virology*  
Barnard, T. R., Landry, B. N., Wang, A. B., Sagan, S. M.  
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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.  
2021; 46 (5): 378-390
- **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*  
Ye, X., Tateno, C., Thi, E. P., Kakuni, M., Snead, N. M., Ishida, Y., Barnard, T. R., Sofia, M. J., Shimada, T., Lee, A. H.  
2019; 5 (5): 738-749
- **Contemporary Zika Virus Isolates Induce More dsRNA and Produce More Negative-Strand Intermediate in Human Astrocytoma Cells** *VIRUSES-BASEL*  
Barnard, T. R., Rajah, M. M., Sagan, S. M.  
2018; 10 (12)
- **Zika virus infection: induction, restriction and evasion of host interferon responses** *FUTURE VIROLOGY*  
Barnard, T. R., Rajah, M., Sagan, S. M.  
2017; 12 (11): 627-630
- **Lipid nanoparticle siRNA treatment of Ebola-virus-Makona-infected nonhuman primates** *NATURE*  
Thi, E. P., Mire, C. E., Lee, A. H., Geisbert, J. B., Zhou, J. Z., Agans, K. N., Snead, N. M., Deer, D. J., Barnard, T. R., Fenton, K. A., MacLachlan, I., Geisbert, T. W.  
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