



Katherine Shaohua Xue

Postdoctoral Research Fellow, Biology

 Curriculum Vitae available Online

Bio

STANFORD ADVISORS

- David Relman, Postdoctoral Research Mentor
- Dmitri Petrov, Postdoctoral Faculty Sponsor

LINKS

- Personal website: katherinesxue.com

Publications

PUBLICATIONS

- **Linking influenza virus evolution within and between human hosts.** *Virus evolution*
Xue, K. S., Bloom, J. D.
2020; 6 (1): veaa010
- **Parallel evolution of influenza across multiple spatiotemporal scales** *ELIFE*
Xue, K. S., Stevens-Ayers, T., Campbell, A. P., Englund, J. A., Pergam, S. A., Boeckh, M., Bloom, J. D.
2017; 6
- **Cooperation between distinct viral variants promotes growth of H3N2 influenza in cell culture** *ELIFE*
Xue, K. S., Hooper, K. A., Odart, A. R., Dingens, A. S., Bloom, J. D.
2016; 5: e13974
- **Reconciling disparate estimates of viral genetic diversity during human influenza infections** *NATURE GENETICS*
Xue, K. S., Bloom, J. D.
2019; 51 (9): 1298–1301
- **Sera from Individuals with Narrowly Focused Influenza Virus Antibodies Rapidly Select Viral Escape Mutations In Ovo** *JOURNAL OF VIROLOGY*
Davis, A. F., McCormick, K., Gumina, M. E., Petrie, J. G., Martin, E. T., Xue, K. S., Bloom, J. D., Monto, A. S., Bushman, F. D., Hensley, S. E.
2018; 92 (19)
- **Within-Host Evolution of Human Influenza Virus** *TRENDS IN MICROBIOLOGY*
Xue, K. S., Moncla, L. H., Bedford, T., Bloom, J. D.
2018; 26 (9): 781–93
- **Cooperating H3N2 Influenza Virus Variants A in Primary Clinical Samples** *MSPHERE*
Xue, K. S., Greninger, A. L., Perez-Osorio, A., Bloom, J. D.
2018; 3 (1)
- **Looking Deep inside Influenza Infections** *CELL SYSTEMS*
Xue, K. S., Bloom, J. D.

2017; 5 (1): 4

- **Selection on Meiosis Genes in Diploid and Tetraploid *Arabidopsis arenosa*** *MOLECULAR BIOLOGY AND EVOLUTION*
Wright, K. M., Arnold, B., Xue, K., Surinova, M., O'Connell, J., Bomblies, K.
2015; 32 (4): 944–55
- **Laboratory divergence of *Methylobacterium extorquens* AM1 through unintended domestication and past selection for antibiotic resistance** *BMC MICROBIOLOGY*
Carroll, S., Xue, K. S., Marx, C. J.
2014; 14: 2
- **Genetic Adaptation Associated with Genome-Doubling in Autotetraploid *Arabidopsis arenosa*** *PLOS GENETICS*
Hollister, J. D., Arnold, B. J., Svedin, E., Xue, K. S., Dilkes, B. P., Bomblies, K.
2012; 8 (12): e1003093