

# Stanford

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## Kirsten Isabel Verster

Postdoctoral Scholar, Biology

### Bio

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#### STANFORD ADVISORS

- Elizabeth Hadly, Postdoctoral Faculty Sponsor

### Teaching

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#### COURSES

2023-24

- Data Visualization and Publishing: BIOS 252 (Win)

### Publications

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#### PUBLICATIONS

- **Evolution of insect innate immunity through domestication of bacterial toxins.** *Proceedings of the National Academy of Sciences of the United States of America*  
Verster, K. I., Cinege, G., Lipinszki, Z., Magyar, L. B., Kurucz, E., Tarnopol, R. L., Abraham, E., Darula, Z., Karageorgi, M., Tamsil, J. A., Akalu, S. M., Ando, I., Whiteman, et al  
2023; 120 (16): e2218334120
- **Horizontal transfer of bacterial cytolethal distending toxin B genes to insects.** *Molecular biology and evolution*  
Verster, K. I., Wisecaver, J. H., Karageorgi, M., Duncan, R. P., Gloss, A. D., Armstrong, E., Price, D. K., Menon, A. R., Ali, Z. M., Whiteman, N. K.  
2019
- **Evolution of chemosensory and detoxification gene families across herbivorous Drosophilidae.** *G3 (Bethesda, Md.)*  
Peláez, J. N., Gloss, A. D., Goldman-Huertas, B., Kim, B., Lapoint, R. T., Pimentel-Solorio, G., Verster, K. I., Aguilar, J. M., Nelson-Dittrich, A. C., Singhal, M., Suzuki, H. C., Matsunaga, T., Armstrong, et al  
2023
- **Evolution of Olfactory Receptors Tuned to Mustard Oils in Herbivorous Drosophilidae** *MOLECULAR BIOLOGY AND EVOLUTION*  
Matsunaga, T., Reisenman, C. E., Goldman-Huertas, B., Brand, P., Miao, K., Suzuki, H. C., Verster, K., Ramirez, S. R., Whiteman, N. K.  
2022; 39 (2)
- **Horizontal Transfer of Microbial Toxin Genes to Gall Midge Genomes** *GENOME BIOLOGY AND EVOLUTION*  
Verster, K., Tarnopol, R. L., Akalu, S. M., Whiteman, N. K.  
2021; 13 (9)
- **Genome editing retraces the evolution of toxin resistance in the monarch butterfly** *NATURE*  
Karageorgi, M., Groen, S. C., Sumbul, F., Peláez, J. N., Verster, K. I., Aguilar, J. M., Hastings, A. P., Bernstein, S. L., Matsunaga, T., Astourian, M., Guerra, G., Rico, F., Dobler, et al  
2019; 574 (7778): 409+