

James Andres Hemker

Ph.D. Student in Developmental Biology, admitted Autumn 2021

Publications

PUBLICATIONS

- **Evolutionary adaptation under climate change: *Aedes* sp. demonstrates potential to adapt to warming.** *Proceedings of the National Academy of Sciences of the United States of America*
Couper, L. I., Dodge, T. O., Hemker, J. A., Kim, B. Y., Exposito-Alonso, M., Brem, R. B., Mordecai, E. A., Bitter, M. C.
2025; 122 (2): e2418199122
- **Evolutionary adaptation under climate change: *Aedes* sp. demonstrates potential to adapt to warming.** *bioRxiv : the preprint server for biology*
Couper, L. I., Dodge, T. O., Hemker, J. A., Kim, B. Y., Exposito-Alonso, M., Brem, R. B., Mordecai, E. A., Bitter, M. C.
2024
- **Single-fly genome assemblies fill major phylogenomic gaps across the *Drosophilidae* Tree of Life.** *PLoS biology*
Kim, B. Y., Gellert, H. R., Church, S. H., Suvorov, A., Anderson, S. S., Barmina, O., Beskid, S. G., Comeault, A. A., Crown, K. N., Diamond, S. E., Dorus, S., Fujichika, T., Hemker, et al
2024; 22 (7): e3002697
- **Single-fly assemblies fill major phylogenomic gaps across the *Drosophilidae* Tree of Life.** *bioRxiv : the preprint server for biology*
Kim, B. Y., Gellert, H. R., Church, S. H., Suvorov, A., Anderson, S. S., Barmina, O., Beskid, S. G., Comeault, A. A., Crown, K. N., Diamond, S. E., Dorus, S., Fujichika, T., Hemker, et al
2023
- **Champagne: Automated whole-genome phylogenomic character matrix method using large genomic indels for homoplasy-free inference.** *Genome biology and evolution*
Schull, J. K., Turakhia, Y., Hemker, J. A., Dally, W. J., Bejerano, G.
2022