

Bernard Youngsoo Kim

Postdoctoral Scholar, Biology

Publications

PUBLICATIONS

- **Rapid evolutionary diversification of the flamenco locus across simulans clade *Drosophila* species.** *PLoS genetics*
Signor, S., Vedanayagam, J., Kim, B. Y., Wierzbicki, F., Kofler, R., Lai, E. C.
2023; 19 (8): e1010914
- **GENOME REPORT: Chromosome-scale genome assembly of the African spiny mouse (*Acomys cahirinus*).** *G3 (Bethesda, Md.)*
Nguyen, E. D., Fard, V. N., Kim, B. Y., Collins, S., Galey, M., Nelson, B. R., Wakenight, P., Gable, S. M., McKenna, A., Bammler, T. K., MacDonald, J., Okamura, D. M., Shendure, et al
2023
- **Decoupled evolution of the Sex Peptide gene family and Sex Peptide Receptor in *Drosophilidae*.** *bioRxiv : the preprint server for biology*
Hopkins, B. R., Angus-Henry, A., Kim, B. Y., Carlisle, J. A., Thompson, A., Kopp, A.
2023
- **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
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- **GENOME REPORT: Chromosome-scale genome assembly of the African spiny mouse (*Acomys cahirinus*).** *bioRxiv : the preprint server for biology*
Nguyen, E. D., Fard, V. N., Kim, B. Y., Collins, S., Galey, M., Nelson, B. R., Wakenight, P., Gable, S. M., McKenna, A., Bammler, T. K., MacDonald, J., Okamura, D. M., Shendure, et al
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Pelaez, J. N., Gloss, A. D., Goldman-Huertas, B., Kim, B., Lapoint, R. T., Pimentel-Solorio, G., Verster, K. I., Aguilar, J. M., Dittrich, A. C., Singhal, M., Suzuki, H. C., Matsunaga, T., Armstrong, et al
2023
- **Antigenic diversity in malaria parasites is maintained on extrachromosomal DNA.** *bioRxiv : the preprint server for biology*
Ebel, E. R., Kim, B. Y., McDew-White, M., Egan, E. S., Anderson, T. J., Petrov, D. A.
2023
- **MaLAdapt reveals novel targets of adaptive introgression from Neanderthals and Denisovans in worldwide human populations.** *Molecular biology and evolution*
Zhang, X., Kim, B., Singh, A., Sankararaman, S., Durvasula, A., Lohmueller, K. E.
2023
- **Evolution and development of male-specific leg brushes in *Drosophilidae*.** *Development genes and evolution*
Tanaka, K., Barmina, O., Thompson, A., Massey, J. H., Kim, B. Y., Suvorov, A., Kopp, A.
2022
- **Secondary reversion to sexual monomorphism associated with tissue-specific loss of doublesex expression.** *Evolution; international journal of organic evolution*
Gao, J. J., Barmina, O., Thompson, A., Kim, B. Y., Suvorov, A., Tanaka, K., Watabe, H., Toda, M. J., Chen, J. M., Katoh, T. K., Kopp, A.
2022

- **MaLAdapt reveals novel targets of adaptive introgression in worldwide human populations**
Zhang, X., Singh, A., Durvasula, A., Kim, B., Lohmueller, K.
WILEY.2022: 204
- **Predictability and parallelism in the contemporary evolution of hybrid genomes.** *PLoS genetics*
Langdon, Q. K., Powell, D. L., Kim, B., Banerjee, S. M., Payne, C., Dodge, T. O., Moran, B., Fascinetto-Zago, P., Schumer, M.
1800; 18 (1): e1009914
- **Two new hybrid populations expand the swordtail hybridization model system.** *Evolution; international journal of organic evolution*
Powell, D. L., Moran, B., Kim, B., Banerjee, S. M., Aguillon, S. M., Fascinetto-Zago, P., Langdon, Q., Schumer, M.
2021
- **Highly contiguous assemblies of 101 drosophilid genomes.** *eLife*
Kim, B. Y., Wang, J., Miller, D. E., Barmina, O., Delaney, E. K., Thompson, A., Comeault, A. A., Peede, D., D'Agostino, E. R., Pelaez, J., Aguilar, J. M., Haji, D., Matsunaga, et al
2021; 10
- **Broad geographic sampling reveals the shared basis and environmental correlates of seasonal adaptation in Drosophila.** *eLife*
Machado, H. E., Bergland, A., Taylor, R. W., Tilk, S., Behrman, E., Dyer, K., Fabian, D. K., Flatt, T., Gonzalez, J., Karasov, T. L., Kim, B. Y., Kozeretska, I., Lazzaro, et al
2021; 10
- **Widespread introgression across a phylogeny of 155 Drosophila genomes.** *Current biology : CB*
Suvorov, A., Kim, B. Y., Wang, J., Armstrong, E. E., Peede, D., D'Agostino, E. R., Price, D. K., Waddell, P., Lang, M., Courtier-Orgogozo, V., David, J. R., Petrov, D., Matute, et al
2021
- **A community-maintained standard library of population genetic models.** *eLife*
Adrion, J. R., Cole, C. B., Dukler, N., Galloway, J. G., Gladstein, A. L., Gower, G., Kyriazis, C. C., Ragsdale, A. P., Tsambos, G., Baumdicker, F., Carlson, J., Cartwright, R. A., Durvasula, et al
2020; 9
- **The Impact of Recessive Deleterious Variation on Signals of Adaptive Introgression in Human Populations.** *Genetics*
Zhang, X., Kim, B., Lohmueller, K. E., Huerta-Sanchez, E.
2020
- **Population genetic models of GERP scores suggest pervasive turnover of constrained sites across mammalian evolution** *PLOS GENETICS*
Huber, C. D., Kim, B. Y., Lohmueller, K. E.
2020; 16 (5)
- **Population genetic models of GERP scores suggest pervasive turnover of constrained sites across mammalian evolution.** *PLoS genetics*
Huber, C. D., Kim, B. Y., Lohmueller, K. E.
2020; 16 (5): e1008827
- **Identification and Characterization of Breakpoints and Mutations on Drosophila melanogaster Balancer Chromosomes.** *G3 (Bethesda, Md.)*
Miller, D. E., Kahsai, L. n., Buddika, K. n., Dixon, M. J., Kim, B. Y., Calvi, B. R., Sokol, N. S., Hawley, R. S., Cook, K. R.
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