TEMPLATE

Michael San Jose
College of Tropical Agriculture and Human Resources
Department of Plant and Environmental Protection Sciences
FTE Distribution: 0%I; 100%R; 0%E

Education

Degree	University	Major
PhD	University of Hawaii	Entomology
BS	University of Hawaii	Biology

Professional Appointments

Title	Employer	Dates Employed
Junior Researcher	University of Hawaii	2019 to Present

Courses Taught

Course ID and name (credits)

Publications (reverse chronological order)

Refereed Journal Publications

Congrains, C., Bremer, F., Dupuis, J.R., Barr, N.B., Garzón-Orduña, I.J., Rubinoff, D., Doorenweerd, C., Jose, M.S., Morris, K., Kauwe, A. and Geib, S. 2025. CCS-Consensuser: A Haplotype-Aware Consensus Generator for PacBio Amplicon Sequences. Mol Ecol Resour e14113. https://doi.org/10.1111/1755-0998.14113.

Doorenweerd, C., San Jose, M., Geib, S., Barr, N., & Rubinoff, D. 2024. Genomic data reveal new species and the limits of mtDNA barcode diagnostics to contain a global pest species complex (Diptera: Tephritidae: Dacinae). Systematic Entomology, 49(2), 279-293.

Doorenweerd, C., San Jose, M., Leblanc, L., Barr, N., Geib, S. M., Chung, A. Y., ... & Rubinoff, D. 2024. Towards a better future for DNA barcoding: Evaluating monophyly-and distance-based species identification using COI gene fragments of Dacini fruit flies. Molecular Ecology Resources, e13987.

San Jose, M., Doorenweerd, C., Geib, S., Barr, N., Dupuis, J. R., Leblanc, L., ... & Rubinoff, D. 2023. Interspecific gene flow obscures phylogenetic relationships in an important insect pest species complex. Molecular Phylogenetics and Evolution, 188, 107892.

San Jose, M., Doorenweerd, C., & Rubinoff, D. 2023. Genomics reveals widespread hybridization across insects with ramifications for species boundaries and invasive species. Current Opinion in Insect Science, 58, 101052.

Doorenweerd, C., San Jose, M., Leblanc, L., & Rubinoff, D. 2023. Inadequate molecular identification protocols for invasive pests threaten biosecurity. Systematic Entomology, 48(3)

Doorenweerd, C., San Jose, M., Geib, S., Dupuis, J., Leblanc, L., Barr, N. et al. 2023. A phylogenomic approach to species delimitation in the mango fruit fly (Bactrocera frauenfeldi) complex: A new synonym of an important pest species with variable morphotypes (Diptera: Tephritidae). Systematic Entomology, 48(1), 10–22. Available from: https://doi.org/10.1111/syen.12559

Rubinoff, D., San Jose, M., Hundsdorfer, A.K. 2021. Cryptic diversity in a vagile Hawaiian moth group suggests complex factors drive diversification. Molecular Phylogenetics and Evolution. 155, 107002.

Doorenweerd, C., San Jose, M., Barr, N., Leblanc, L., Rubinoff, D. 2020. Highly variable COI haplotype diversity between three species of invasive pest fruit fly reflects remarkably incongruent demographic histories. Sci Rep 10, 6887 https://doi.org/10.1038/s41598-020-63973-x

Graduate Students

Category	Current Number of Students	Number Graduated (Career)
Member of PhD Committees	1	1

TEMPLATE

Grant Support

Presentations at Conferences

Title: Phylogenomics confirms cryptic diversity and sympatric speciation in Hawaiian *Hyles*
Authors (put an asterisk on the presenter): San Jose. M*., Rubinoff D.
Name of Conference: Pacific Entomology Conference
Location: Honolulu HI
Date of Presentation: December 2023

Title: Global population genomics of Oriental fruit flies using RAD-seq.
Authors (put an asterisk on the presenter): San Jose. M*., Doorenweerd, C., Geib, S., Barr, N., Kauwe, A., Sim, S,. Leblanc, L., Rubinoff D.
Name of Conference: The 11th International Symposium on Fruit Flies of Economic Importance
Location: Sydney AUS
Date of Presentation: 14 November 2022

Title: Using genomics to understand insect evolution and invasive species.
Authors (put an asterisk on the presenter): San Jose. M*
Name of Conference: e3- STArt, Virtual International Conference
Location: Nueva Ecija, Philippines
Date of Presentation: 26 October 2021

Title: Using collections to conduct phylogenetic and biogeographic research in Hawaiian Insects.
Authors (put an asterisk on the presenter): San Jose. M*
Name of Conference: Bishop Museum seminar series
Location: Honolulu, Hawaii
Date of Presentation: 08 May 2020