

Unit Name

Algorithms for Eco And Evo Genomics Unit
Adjunct Professor Gene W Myers

Scholarly Contributions and Creative Productions (by Faculty)

Journal Article

1. Formenti, G.; Koo, B.; Sollitto, M.; Balacco, J.; Brajuka, N.; Burhans, R.; Duarte, E.; Giani, A. M.; McCaffrey, K.; Medico, J. A.; Myers, E. W.; Smeds, P.; Nekrutenko, A.; Jarvis, E. D.
Evaluation of Sequencing Reads at Scale Using Rdeval. *Bioinformatics* 2025, 41, btaf416.
2. Takeuchi, T.; Suzuki, Y.; Shoguchi, E.; Fujie, M.; Kawamitsu, M.; Shinzato, C.; Satoh, N.; Myers, E. W.
Nearly T2T, Phased Genome Assemblies of Corals Reveal Haplotype Diversity and the Evolutionary Process of Gene Expansion. *DNA Research* 2025, 32, dsaf017.
3. Myers, G.; Durbin, R.; Zhou, C.
FastGA: Fast Genome Alignment. *Bioinformatics Advances* 2025, 5, vbaf238.
4. Formenti, G.; Koo, B.; Sollitto, M.; Balacco, J.; Brajuka, N.; Burhans, R.; Duarte, E.; Giani, A. M.; McCaffrey, K.; Medico, J. A.; Myers, E. W.; Jarvis, E. D.
Evaluation of Sequencing Reads at Scale Using Rdeval. *bioRxiv* 2025.
5. Morales, A. E.; Dong, Y.; Brown, T.; Baid, K.; Kontopoulos, D.; Gonzalez, V.; Huang, Z.; Ahmed, A.-W.; Bhuinya, A.; Hilgers, L.; Winkler, S.; Hughes, G.; Li, X.; Lu, P.; Yang, Y.; Kirilenko, B. M.; Devanna, P.; Lama, T. M.; Nissan, Y.; Pippel, M.; D??valos, L. M.; Vernes, S. C.; Puechmaille, S. J.; Rossiter, S. J.; Yovel, Y.; Prescott, J. B.; Kurth, A.; Ray, D. A.; Lim, B. K.; Myers, E.; Teeling, E. C.; Banerjee, A.; Irving, A. T.; Hiller, M.
Bat Genomes Illuminate Adaptations to Viral Tolerance and Disease Resistance. *Nature* 2025, 638, 449.

Technology

1. Myers, G. W.
FaSTAN.

Honors, Awards & Fellowships

Term 3 2022 - Ongoing IEEE Frances E. Allen Medal, 2022, Institute of Electrical and Electronics Engineers