

Daniel Lee Powell

Postdoctoral Scholar, Biology

 Curriculum Vitae available Online

Bio

STANFORD ADVISORS

- Molly Schumer, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **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
- **The genomic consequences of hybridization.** *eLife*
Moran, B. M., Payne, C., Langdon, Q., Powell, D. L., Brandvain, Y., Schumer, M.
2021; 10
- **The Genetic Architecture of Variation in the Sexually Selected Sword Ornament and Its Evolution in Hybrid Populations.** *Current biology : CB*
Powell, D. L., Payne, C., Banerjee, S. M., Keegan, M., Bashkirova, E., Cui, R., Andolfatto, P., Rosenthal, G. G., Schumer, M.
2021
- **Natural hybridization reveals incompatible alleles that cause melanoma in swordtail fish.** *Science (New York, N.Y.)*
Powell, D. L., García-Olazábal, M. n., Keegan, M. n., Reilly, P. n., Du, K. n., Díaz-Loyo, A. P., Banerjee, S. n., Blakkan, D. n., Reich, D. n., Andolfatto, P. n., Rosenthal, G. G., Scharl, M. n., Schumer, et al
2020; 368 (6492): 731–36
- **Versatile simulations of admixture and accurate local ancestry inference with mixnmatch and ancestryinfer.** *Molecular ecology resources*
Schumer, M. n., Powell, D. L., Corbett-Detig, R. n.
2020
- **Testing Wallace's intuition: water type, reproductive isolation and divergence in an Amazonian fish** *JOURNAL OF EVOLUTIONARY BIOLOGY*
Pires, T. S., Borghezan, E. A., Machado, V. N., Powell, D. L., Ropke, C. P., Oliveira, C., Zuanon, J., Farias, I. P.
2018; 31 (6): 882–92
- **Natural selection interacts with recombination to shape the evolution of hybrid genomes** *SCIENCE*
Schumer, M., Xu, C., Powell, D. L., Durvasula, A., Skov, L., Holland, C., Blazier, J. C., Sankararaman, S., Andolfatto, P., Rosenthal, G. G., Przeworski, M.
2018; 360 (6389): 656–59
- **Assortative mating and persistent reproductive isolation in hybrids** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Schumer, M., Powell, D. L., Delclos, P. J., Squire, M., Cui, R., Andolfatto, P., Rosenthal, G. G.
2017; 114 (41): 10936–41

- **What artifice can and cannot tell us about animal behavior** *CURRENT ZOOLOGY*
Powell, D. L., Rosenthal, G. G.
2017; 63 (1): 21–26
- **Ancient hybridization and genomic stabilization in a swordtail fish** *MOLECULAR ECOLOGY*
Schumer, M., Cui, R., Powell, D. L., Rosenthal, G. G., Andolfatto, P.
2016; 25 (11): 2661–79
- **Stable isotope evidence for trophic overlap of sympatric Mexican Lake Chapala silversides (Teleostei: Atherinopsidae: Chirostoma spp.)** *NEOTROPICAL ICHTHYOLOGY*
Mercado-Silva, N., Lyons, J., Moncayo-Estrada, R., Gesundheit, P., Krabbenhoft, T. J., Powell, D. L., Piller, K. R.
2015; 13 (2): 389–400
- **High-resolution Mapping Reveals Hundreds of Genetic Incompatibilities in Hybridizing Fish Species** *ELIFE*
Schumer, M., Cui, R., Powell, D., Dresner, R., Rosenthal, G. G., Andolfatto, P.
2014; 3