

Stanford



Stepfanie M. Aguillon

Postdoctoral Scholar, Biology

Curriculum Vitae available Online

Bio

STANFORD ADVISORS

- Molly Schumer, Postdoctoral Faculty Sponsor

LINKS

- stepfanieaguillon.com: stepfanieaguillon.com

Teaching

COURSES

2023-24

- Data Visualization and Publishing: BIOS 252 (Win)

Publications

PUBLICATIONS

- On the brink of explosion? Identifying the source and potential spread of introduced *Zosterops* white-eyes in North America *BIOLOGICAL INVASIONS*

DeRaad, D. A., Cobos, M. E., Hofmeister, N. R., DeCicco, L. H., Venkatraman, M. X., Nishiumi, I., McKay, B., Zou, F., Kawakami, K., Kim, C., Lin, R., Yao, C., Garrett, et al

2024

- Genome evolution is surprisingly predictable after initial hybridization. *bioRxiv : the preprint server for biology*

Langdon, Q. K., Groh, J. S., Aguillon, S. M., Powell, D. L., Gunn, T., Payne, C., Baczenas, J. J., Donny, A., Dodge, T. O., Du, K., Schartl, M., Ríos-Cárdenas, O., Gutierrez-Rodríguez, et al

2023

- Evolutionary divergence and adaptive capacity in morphologically distinct song sparrow subspecies *CONSERVATION GENETICS*

Mikles, C. S., Arcese, P., Lovette, I. J., Aguillon, S. M., Chan, Y. L., Benham, P. M., Carbeck, K., Walsh, J.

2023

- Community-sourced sightings of atypical birds can be used to understand the evolution of plumage color and pattern Las observaciones proporcionadas por la comunidad sobre avistamientos de aves atípicas pueden utilizarse para entender la evolución del color y el patrón del plumaje *ORNITHOLOGY*

Aguillon, S. M., Shultz, A. J.

2023

- Introgession *CURRENT BIOLOGY*

Aguillon, S. M., Dodge, T. O., Preising, G. A., Schumer, M.

2022; 32 (16): R865-R868

- **Revisiting a classic hybrid zone: Movement of the northern flicker hybrid zone in contemporary times.** *Evolution; international journal of organic evolution*
Aguillon, S. M., Rohwer, V. G.
2022
- **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., Fasinetto-Zago, P., Langdon, Q., Schumer, M.
2021
- **Extensive hybridization reveals multiple coloration genes underlying a complex plumage phenotype** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Aguillon, S. M., Walsh, J., Lovette, I. J.
2021; 288 (1943): 20201805
- **Genomic differentiation and local adaptation on a microgeographic scale in a resident songbird** *MOLECULAR ECOLOGY*
Mikles, C. S., Aguillon, S. M., Chan, Y. L., Arcese, P., Benham, P. M., Lovette, I. J., Walsh, J.
2020; 29 (22): 4295-4307
- **Gender Differences in Student Participation in an Active-Learning Classroom** *CBE-LIFE SCIENCES EDUCATION*
Aguillon, S. M., Siegmund, G., Petipas, R. H., Drake, A., Cotner, S., Ballen, C. J.
2020; 19 (2): ar12
- **Smaller Classes Promote Equitable Student Participation in STEM** *BIOSCIENCE*
Ballen, C. J., Aguillon, S. M., Awwad, A., Bjune, A. E., Challou, D., Drake, A., Driessen, M., Ellozy, A., Ferry, V. E., Goldberg, E. E., Harcombe, W., Jensen, S., Jorgensen, et al
2019; 69 (8): 669-680
- **Fighting through the gray** *SCIENCE*
Aguillon, S. M.
2019; 363 (6431): 1114
- **UV-B radiation and shrub canopy effects on surface litter decomposition in a shrub-invaded dry grassland** *JOURNAL OF ARID ENVIRONMENTS*
Predick, K. I., Archer, S. R., Aguillon, S. M., Keller, D. A., Throop, H. L., Barnes, P. W.
2018; 157: 13-21
- **Do Small Classes in Higher Education Reduce Performance Gaps in STEM?** *BIOSCIENCE*
Ballen, C. J., Aguillon, S. M., Brunelli, R., Drake, A., Wassenberg, D., Weiss, S. L., Zamudio, K. R., Cotner, S.
2018; 68 (8): 593-600
- **A flicker of hope: Genomic data distinguish Northern Flicker taxa despite low levels of divergence** *AUK*
Aguillon, S. M., Campagna, L., Harrison, R. G., Lovette, I. J.
2018; 135 (3): 748-766
- **Deconstructing isolation-by-distance: The genomic consequences of limited dispersal** *PLOS GENETICS*
Aguillon, S. M., Fitzpatrick, J. W., Bowman, R., Schoech, S. J., Clark, A. G., Coop, G., Chen, N.
2017; 13 (8): e1006911
- **Eco-evolutionary dynamics: investigating multiple causal pathways linking changes in behavior, population density and natural selection**
Duckworth, R. A., Aguillon, S. M.
SPRINGER HEIDELBERG.2015: S115-S124
- **Kin aggression and resource availability influence phenotype-dependent dispersal in a passerine bird** *BEHAVIORAL ECOLOGY AND SOCIOBIOLOGY*
Aguillon, S. M., Duckworth, R. A.
2015; 69 (4): 625-633