

Lauren Common

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Research Biography

Lauren is a third year PhD student in the BirdLab under the supervision of Sonia Kleindorfer, Diane Colombelli-Négrel and Rachael Dudaniec on the Avian Vampire Fly (*Philornis downsi*), a parasitic fly introduced to the Galápagos Islands. Her project focuses on the novel co-evolutionary relationship between the Avian Vampire Fly and its Darwin's finch hosts, and how this has changed over time from the parasite's perspective. Lauren is investigating changes to the life history and population genomics of Avian Vampire Fly since its introduction, examining the impact of invasion and natural selection on parasite populations and host-parasite interactions.

Qualifications

Bachelor of Science (Honours), Rapid downward fecundity selection in the ectoparasite *Philornis downsi*, driven by high mortality in Darwin's finch hosts, Flinders University

Award Date: 1 Dec 2018

Bachelor of Science, Bachelor of Science (Animal Behaviour), Flinders University

Award Date: 31 Dec 2017

Employment

Academic Status

College of Science and Engineering

Flinders University

14 Mar 2024 → 30 Sept 2025

Research outputs

Ordinal-Level Resilience of Invertebrates After Fire Events in Eucalypt Woodlands of South-Eastern Australia

Common, L. K., Kotz, P. S., Colombelli-Négrel, D. & Kleindorfer, S., Feb 2025, In: *Austral Ecology*. 50, 2, 11 p., e70024.

Maternal in-nest call structure reduces habituation risk in songbird embryos

Austin, V. I., Common, L. K., Colombelli-Négrel, D. & Kleindorfer, S., Jan 2025, In: *Journal of Avian Biology*. 2025, 1, 6 p., e03274.

Flight initiation distance is repeatable and geographically flexible in greylag geese *Anser anser*

Katsis, A. C., Common, L. K., Lesigang, J., Bold, A., Fröhlich, M., Schmincke, J.-M., Frigerio, D. & Kleindorfer, S., 27 Dec 2024, (E-pub ahead of print) In: *Journal of Avian Biology*. 11 p., e03288.

Effects of assortative mating for personality on reproductive success in greylag geese, *Anser anser*

Common, L. K., Katsis, A. C., Frigerio, D. & Kleindorfer, S., Oct 2024, In: *Animal Behaviour*. 216, p. 141-153 13 p.

Aggressiveness predicts dominance rank in greylag geese: mirror tests and agonistic interactions

Kleindorfer, S., Krupka, M. A., Katsis, A. C., Frigerio, D. & Common, L. K., Apr 2024, In: *Royal Society Open Science*. 11, 4, 15 p., 231686.

Exploration behavior differs between Darwin's finch species and predicts territory defense and hatching success

Katsis, A. C., Colombelli-Négrel, D., Akçay, Ç., Common, L. K., García-Loor, J. & Kleindorfer, S., 13 Feb 2024, In: *Behavioral Ecology and Sociobiology*. 78, 15 p., 26.

Nestling Begging Calls Resemble Maternal Vocal Signatures When Mothers Call Slowly to Embryos

Kleindorfer, S., Brouwer, L., Hauber, M. E., Teunissen, N., Peters, A., Louter, M., Webster, M. S., Katsis, A. C., Sulloway, F. J., Common, L. K., Austin, V. I. & Colombelli-Négrel, D., Feb 2024, In: *American Naturalist*. 203, 2, p. 267-283 17 p.

Age effects in Darwin's finches: older males build more concealed nests in areas with more heterospecific singing neighbors

Huge, A. C., Adreani, N. M., Colombelli-Négrel, D., Akçay, Ç., Common, L. K. & Kleindorfer, S., Jan 2024, In: *Journal of Ornithology*. 165, 1, p. 179-191 13 p.

From nestling to adult: personality traits are consistent within but not across life stages in a wild songbird

Katsis, A. C., Common, L. K., Hauber, M. E., Colombelli-Négrel, D. & Kleindorfer, S., 28 Jun 2023, (E-pub ahead of print) In: *Behaviour*. 160, 8-9, p. 701-734 34 p.

Genetics reveals shifts in reproductive behaviour of the invasive bird parasite *Philornis downsi* collected from Darwin's finch nests

Common, L. K., Kleindorfer, S., Colombelli-Négrel, D. & Dudaniec, R. Y., Feb 2023, In: *Biological Invasions*. 25, 2, p. 563-581 19 p.

Intraspecific fledgling adoption by a pair of superb fairy-wrens, *Malurus cyaneus*.

Katsis, A., Evans, C., Common, L. K., Colombelli-Négrel, D. & Kleindorfer, S., 2023, In: *Australian Field Ornithology*. 40, p. 49-55 7 p.

Functional traits and foraging behaviour: Avian vampire fly larvae change the beak and fitness of their Darwin's finch hosts

Kleindorfer, S., Colombelli-Négrel, D., Common, L. K., O'Connor, J., Peters, K. J., Katsis, A. C., Dudaniec, R., Sulloway, F. J. & Adreani, N. M., Jul 2022, In: *Functional Ecology*. 36, 7, p. 1806-1817 12 p.

Temporal and spatial variation in sex-specific abundance of the avian vampire fly (*Philornis downsi*)

Common, L. K., Sumasgutner, P., Sumasgutner, S. C., Colombelli-Négrel, D., Dudaniec, R. Y. & Kleindorfer, S., Jan 2022, In: *Parasitology Research*. 121, 1, p. 63-74 12 p.

Female in-nest attendance predicts the number of ectoparasites in Darwin's finch species

Kleindorfer, S., Common, L. K., O'Connor, J. A., Garcia-Loor, J., Katsis, A. C., Dudaniec, R. Y., Colombelli-Négrel, D. & Adreani, N. M., 22 Dec 2021, In: *Proceedings of The Royal Society of London Series B: Biological Sciences*. 288, 1965, 10 p., 20211668.

Nesting Success and Nesting Height in the Critically Endangered Medium Tree Finch (*Camarhynchus pauper*)

Kleindorfer, S., Common, L. K. & Sumasgutner, P., Dec 2021, In: *Birds*. 2, 4, p. 427-444 18 p.

Nestling behaviour predicts naris deformation in Darwin's finches parasitized by the avian vampire fly

Katsis, A. C., Colombelli-Négrel, D., Common, L., O'Connor, J. A., Dudaniec, R. Y., García-Loor, J. & Kleindorfer, S., 1 Nov 2021, In: *Biological Journal of The Linnean Society*. 134, 3, p. 636-649 14 p.

Avian vampire fly (*Philornis downsi*) mortality differs across Darwin's finch host species

Common, L. K., Sumasgutner, P., Dudaniec, R. Y., Colombelli-Négrel, D. & Kleindorfer, S., 2021, In: *Scientific Reports*. 11, 12 p., 15832.

Evidence for rapid downward fecundity selection in an ectoparasite (*Philornis downsi*) with earlier host mortality in Darwin's finches

Common, L. K., O'Connor, J. A., Dudaniec, R. Y., Peters, K. J. & Kleindorfer, S., 5 Apr 2020, In: *Journal of Evolutionary Biology*. 33, 4, p. 524-533 10 p.

Taxonomic shifts in *Philornis* larval behaviour and rapid changes in *Philornis downsi* Dodge & Aitken (Diptera: Muscidae), an invasive avian parasite on the Galápagos Islands

Common, L., Dudaniec, R., Colombelli-Négrel, D. & Kleindorfer, S., 2020, *Life Cycle and Development of Diptera*. Sarwar, M. (ed.). London: IntechOpen, 22 p.

