

## 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), Flinders University  
Award Date: 1 Dec 2018

Bachelor of Science, Flinders University  
Award Date: 31 Dec 2017

## Employment

### Casual Academic

College of Science and Engineering  
Flinders University  
1 Jan 2020 → 31 Mar 2023

### Ph.D., The Behaviour and Evolution of the Introduced parasite *Philornis downsi*

College of Science and Engineering  
Flinders University  
29 Jul 2019 → present

## Research outputs

### 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. A., Peters, K. J., Katsis, A. C., Dudaniec, R. Y., Sulloway, F. J. & Adreani, N. M., 26 Apr 2022, (E-pub ahead of print) In: *Functional Ecology*. 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 B: Biological Sciences*. 288, 1965, 10 p., 20211668.

### 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., Garcia-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.