**Publications**

*(\* indicates principal supervisor role of student project)*

42. Kentie R, **Clegg SM**, Tuljapurkar,S; Gaillard, J-M, Coulson, T (2020) Life history strategy varies with the strength of competition in a food-limited ungulate population. *Ecology Letters*. 23:811-820.

\*41. Sendell-Price AT, Ruegg KC, **Clegg SM** (2020) Rapid morphological divergence following a human-mediated introduction: The role of drift and directional selection. *Heredity*. 124:535-549.

40. ValenteL, PhillimoreAB, MeloM, Warren BH, **CleggSM**, HavensteinK, TiedemannR, IlleraJC, Thébaud C, Aschenbach T, Etienne RS (2020) A simple dynamic model explains island bird diversity worldwide. *Nature*. 579:92-96.

39. Quilodrán CS, Ruegg K, Sendell-Price AT, Anderson E, Coulson T, **Clegg SM** (2020) The multiple population genetic and demographic routes to islands of genomic divergence. *Methods in Ecology and Evolution*. 11:6-21.

38. Fecchio A, K Wells, JA Bell, VV Tkach, HL Lutz, JD Weckstein, **SM Clegg**, NJ Clark (2019) Climate variation influences host specificity in avian malaria parasites. *Ecology Letters* 22:547-557.

\*37. Sandvig E, TN Coulson, **SM Clegg** (2019) The effect of insularity on avian growth rates and implications for insular body size evolution. *Proc Roy Soc. B* 286:20181967.

\*36. Howe M, NN FitzSimmons, CJ Limpus, **SM Clegg** (2018) Multiple paternity in a Pacific loggerhead turtle population: maternal attributes, offspring outcomes and demographic inferences. *Marine Biology* 165:2.

35. Clark NJ, **SM Clegg**, K Sam, W Goulding, B Koane, K Wells (2018) Climate, host phylogeny and the connectivity of host communities govern regional parasite assembly. *Diversity and Distributions* 24:13-23.

\*34. Sandvig E, TN Coulson, J Kikkawa, **SM Clegg** (2017) The influence of climatic variation and density on the survival of an insular passerine *Zosterops lateralis.* *PLoS One* 12(4): e0176360.

33. Clark NJ, **SM Clegg** (2017) Integrating phylogenetic and ecological distances reveals new insights into parasite host specificity. *Molecular Ecology* 26: 3074-3086.

32. Siepielski A, MB Morrissey, M Buoro, SM Carlson, CM Caruso, **SM Clegg**, T Coulson, J DiBattista, KM Gotanda, CD Francis, J Hereford, JG Kingsolver, KE Augustine, LEB Kruuk, RA Martin, BC Sheldon, N Sletvold, EI Svensson, MJ Wade, ADC MacColl (2017) Precipitation drives global variation in natural selection. *Science* 355: 959-962

\*31. Clark NJ, K Wells, D Dimitrov, **SM Clegg** (2016) Co-infections and environmental conditions drive the distributions of blood parasites in wild birds. *Journal of Animal Ecology* 85:1461-1470*.*

30. Goulding W, RD Adlard, **SM Clegg**, NJ Clark (2016) Molecular and morphological description of *Haemoproteus* (*Parahaemoproteus*) *bukaka* (species nova), a haemosporidian associated with the strictly Australo-Papuan host Subfamily Cracticinae. *Parasitology Research* 115: 3387-3400

\*29. Clark NJ, **SM Clegg**, M Klassen (2016) Migration strategy and pathogen risk: non-breeding distribution drives malaria prevalence in migratory waders. *Oikos* 125: 1358-1368

\*28. Clark NJ, S Olsson-Pons, F Ishtiaq, **SM Clegg** (2015) Specialist enemies, generalist weapons and the potential spread of exotic pathogens: malaria parasites in a highly invasive bird. *International Journal for Parasitology* 45: 891-899.

\*27. Olsson-Pons, S, NJ Clark, F Ishtiaq, **SM Clegg** (2015) Differences in host species relationships and biogeographical influences produce contrasting patterns of prevalence, community composition and genetic structure in two genera of avian malaria parasite in southern Melanesia. *Journal of Animal Ecology* 84: 985-998.

\*26. Clark NJ, RD Adlard, **SM Clegg** (2015) Molecular and morphological characterisation of *Haemoproteus* (*Parahaemoproteus*) *ptilotis*, a parasite infecting Australian honeyeaters (Meliphagidae), with remarks on prevalence and potential cryptic speciation. *Parasitology Research* 114: 1921-1928.

25. Potvin, DA, **SM Clegg** (2015) The relative roles of cultural drift and acoustic adaptation in shaping syllable repertoires of island bird populations change with time since colonization. *Evolution* 69: 368-380*.* (equal authorship contributions)

\*24. Clark, NJ, **SM Clegg** (2015) The influence of vagrant hosts and weather patterns on the colonization and persistence of blood parasites in an island bird. *J. Biogeography* 42: 641-651.

\*23. Clark, N, **SM Clegg**, MR Lima (2014) A review of global diversity in avian haemosporidians (*Plasmodium* and *Haemoproteus*: Haemosporida): new insights from molecular data. *International Journal for Parasitology* 44(5): 329-338*.*

22. Ponce-Reyes R, **SM Clegg**, SB Carvalho, E McDonald-Madden, HP Possingham (2014) Geographic surrogates of genetic variation for selecting island populations for conservation. *Diversity and Distributions* 20: 640-651.

21. Jønsson KA, M Irestedt, L Christidis, **SM Clegg**, BG Holt, J Fjeldså (2014) Evidence of taxon cycles in an Indo-Pacific passerine bird radiation (Aves: *Pachycephala*). *Proc. Roy. Soc. Lond. B* 281: 20131727*.*

\*20. Clark, N, RD Adlard, **SM Clegg** (2014) First evidence of avian malaria in Capricorn silvereyes (*Zosterops lateralis chlorocephalus*) on Heron Island. *Sunbird* 44: 1-11.

19. **Clegg SM,** AB Phillimore(2010)The influence of gene flow and drift on genetic and phenotypic divergence in two species of *Zosterops* in Vanuatu. *Phil. Trans. Roy. Soc. Lond. B* 365: 1077-1092. (*Special issue: Darwin’s Galápagos finches: celebrating the role of Darwin’s finches and related studies in modern evolutionary biology)*

18. Ishtiaq F, **SM** **Clegg**, AB Phillimore, RA Black, IPF Owens, BC Sheldon (2010) Biogeographical patterns of blood parasite species diversity in avian hosts from southern Melanesian Islands. *J. Biogeography* 37: 120-132.

17. Ishtiaq F, L Guillaumot, **SM** **Clegg**, AB Phillimore, RA Black, IPF Owens, NI Mundy, BC Sheldon (2008) Avian haematozoan parasites and their associations with mosquitoes across Southwest Pacific Islands. *Molecular Ecology* 17: 4545-4555.

16. **Clegg SM**, DF Frentiu, J Kikkawa, G Tavecchia and IPF Owens (2008) 4000 years of phenotypic change in an island bird: heterogeneity of selection over three microevolutionary timescales. *Evolution* 62: 2393-2410. (*Faculty of 1000 Biologists “must read”)*

15. Phillimore AB, IPF Owens, RA Black, J Chittock, T Burke and **SM Clegg** (2008) Complex patterns of genetic and phenotypic divergence in an island bird and the consequences for delimiting conservation units. *Molecular* *Ecology* 17: 2839-2853.

14. Frentiu FD, **SM** **Clegg**, J Chittock, T Burke, MW Blows and IPF Owens (2008) Pedigree free-animal models: the relatedness matrix reloaded. *Proc. Roy. Soc. Lond. B.* 275: 639-647. *(Special issue: Evolutionary Dynamics of Wild Populations)*

13. Frentiu FD, **SM** **Clegg**, MW Blows and IPF Owens (2007) Large body size in an island-dwelling bird: a microevolutionary analysis. *J. Evolutionary Biology* 20: 639-649.

12. Ruegg K, H Slabbekoorn, **SM** **Clegg**, and TB Smith (2006) Divergence in mating signals correlates with ecological variation in the migratory songbird, Swainson’s thrush (*Catharus ustulatus*). *Molecular Ecology* 15: 3147-3156.

11. Hadfield JD, MD Burgess, A Lord, AB Phillimore, **SM** **Clegg** and IPF Owens (2006) Direct versus indirect sexual selection: genetic basis of colour, size and recruitment in a wild bird. *Proc. Roy. Soc. Lond. B* 273: 1347-1353.

10. Lovette IJ, **SM** **Clegg**, TB Smith (2004) Limited utility of mtDNA markers for determining connectivity among breeding and overwintering locations in three neotropical migrant birds. *Conservation Biology* 18: 156-166.

9. **Clegg, SM**, JF Kelly, M Kimura and TB Smith (2003) Combining genetic markers and stable isotopes to reveal population connectivity and migration patterns in a Neotropical migrant, Wilson's warbler (*Wilsonia pusilla*). *Molecular Ecology* 12: 819-830.

8. Scott SN, **SM** **Clegg**, SP Blomberg, J Kikkawa and IPF Owens (2003) Morphological shifts in island-dwelling birds: the roles of generalist foraging and niche expansion. *Evolution* 57: 2147-2156.

7. Estoup A and **SM** **Clegg** (2003) Bayesian inferences on the recent island colonisation history by the bird *Zosterops lateralis lateralis. Molecular Ecology* 12: 657-674.

6. Kimura M, **SM** **Clegg**, IJ Lovette, KR Holder, DJ Girman, B Milá, P Wade and TB Smith (2002) Phylogeographical approaches to assessing demographic connectivity between breeding and overwintering regions in a Nearctic-neotropical warbler (*Wilsonia pusilla*). *Molecular Ecology* 11: 1605-1616.

5. **Clegg, SM**, SM Degnan, C Moritz, J Kikkawa, A Estoup and IPF Owens (2002) Microevolution in island forms: the roles of drift and directional selection in morphological divergence of a passerine bird. *Evolution* 56: 2090-2099.

4. **Clegg SM**, IPF Owens (2002) The ‘island rule’ in birds: medium body size and its ecological explanation. *Proc. Roy. Soc. Lond. B* 269: 1359-1366.

3. **Clegg SM**, SM Degnan, J Kikkawa, C Moritz, A Estoup and IPF Owens (2002) Genetic consequences of sequential founder events by an island-colonizing bird. *PNAS* 99: 8127-8123.

2. **Clegg SM**, P Hale and C Moritz (1998) Molecular population genetics of the red kangaroo (*Macropus rufus*): mtDNA variation. *Molecular Ecology* 7: 679-686.

1. Degnan SM, BC Robertson, **SM** **Clegg** and CC Moritz (1998) Microsatellite primers for studies of gene flow and mating systems in white-eyes (*Zosterops*). *Molecular Ecology* 7: 159-160.

***Book Chapters***

2. **Clegg SM** (2010) Evolutionary changes following island colonization in birds: empirical insights into the roles of microevolutionary processes. In J Losos and R Ricklefs (eds) *The Theory of Island Biogeography Revisited*. Pp 293-324. Princeton University Press.

1. Smith TB, **SM** **Clegg**, M Kimura, K Ruegg, B Milá and IJ Lovette (2005) Molecular genetic approaches to linking breeding and overwintering areas in five Neotropical migrant passerines In R Greenberg and P Marra (eds). *Birds of Two Worlds: The Ecology and Evolution of Migration*. Pp 222-234. John Hopkins University Press, Baltimore, USA.

***Book Reviews and Article Commentaries***

3. Siepielski A, MB Morrissey, M Buoro, SM Carlson, CM Caruso, **SM Clegg**, T Coulson, J DiBattista, KM Gotanda, CD Francis, J Hereford, JG Kingsolver, KE Augustine, LEB Kruuk, RA Martin, BC Sheldon, N Sletvold, EI Svensson, MJ Wade, ADC MacColl (2017) Response to: "Does precipitation really drive global variation in natural selection of plants and animals?" by Myers and Myers-Smith *Science* 359 eaan5760

2. Coulson TN, **SM Clegg** (2014) Fur seals signal their own decline. *Nature* 511: 414-415.

1. **Clegg SM** (2012) The life (and death) of island mammals. Book Review of “Evolution of Island Mammals: Adaptation and Extinction of Placental Mammals on Islands” by Alexandra van der Geer, George Lyras, John de Vos, and Michael Dermitzakis. *BioScience* 62: 438-439.