

# PROFESSOR STEPHEN CHARLES DONNELLAN

## Scientific Publications

### REFEREED PUBLICATIONS

1. Hutchinson M, **DONNELLAN SC.** (1988). A new species of scincid lizard from southeastern Australia, related to *Leiolopisma entrecasteauxii*. *Transactions of the Royal Society of South Australia* **112**: 143-151.
2. **DONNELLAN SC,** Aplin KP. (1989). Resolution of cryptic species in the New Guinean lizard *Sphenomorphus jobiensis* (Scincidae) by electrophoresis. *Copeia* **1989**: 81-88.
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6. Moritz C, **DONNELLAN SC,** Adams M, Baverstock PR. (1989). The origin and evolution of parthenogenesis in *Heteronotia binoei* (Gekkonidae: Reptilia): extensive clonal diversity among parthenogens *Evolution* **43**: 994-1103
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12. Baverstock PR, **DONNELLAN SC.** (1990). Molecular evolution in Australian dragons and skinks: a progress report. *Memoirs of the Queensland Museum* **29**: 323-330.
13. Hutchinson MN, **DONNELLAN SC.**, Baverstock PR, Kreig M, Simms S, Burgin S. (1990). Immunological relationships and generic revision of the Australian lizards assigned to the genus *Leiopisma* (Scincidae: Lygosominae). *Australian Journal of Zoology* **38**: 535-554.
14. **DONNELLAN SC.** (1991). Chromosomes of Australian lygosomine skinks (Lacertilia: Scincidae). 1. The *Egernia* group: C-banding, Silver staining, Hoechst 33258 condensation analysis. *Genetica* **83**: 207-222.
15. **DONNELLAN SC.** (1991). Chromosomes of Australian lygosomine skinks (Lacertilia: Scincidae). 2. The genus *Lampropholis*. *Genetica* **83**: 223-234.
16. Baverstock PR, Cramp N, Johnson AM, **DONNELLAN SC.** (1991). Evolution of the small subunit ribosomal RNA in higher vertebrates. *Australian Journal of Zoology* **39**: 387-401.
17. Moritz C, McCallum H, **DONNELLAN SC.**, Roberts JD. (1991). Parasite loads in parthenogenetic and sexual lizards (*Heteronotia binoei*) support for the Red Queen hypothesis. *Proceedings of the Royal Society of London B* **244**: 145-149.
18. Mahony M, **DONNELLAN SC.** Aplin KP. (1992). Karyotype evolution in Australo-Papuan microhylid frogs (Anura: Microhylidae). *Herpetologica* **48**: 180-88.
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21. Aplin KA, **DONNELLAN SC.** (1993). A new species of blindsnake, genus *Ramphotyphlops* (Typhlopidae, Squamata), from northwestern Western Australia, with a redescription of *R. hamatus* Storr 1981. *Records of the Western Australian Museum* **16**: 243-56
22. Hutchinson MN, **DONNELLAN SC.** (1993). Phylogeny and biogeography of the Squamata. pp 210-20. In: Fauna of Australia Vol. 2A Amphibia & Reptilia. Glasby C, Ross G, Beesley P. eds. Australian Government Publishing Service, Canberra.
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38. **DONNELLAN SC**, McGuigan K, Knowles R, Mahony M, Moritz C. (1999). Genetic evidence for species boundaries in frogs of the *Litoria citropa* species group (Anura: Hylidae). *Australian Journal of Zoology* **47**: 275-293.
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46. James BH, **DONNELLAN SC**, Hutchinson MN. (2000). Taxonomic revision of the Australian lizard *Pygopus nigriceps* (Squamata: Gekkonidae). *Records of the South Australian Museum* **34**: 37-52
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65. Young JE, Christian KA, **DONNELLAN SC**, Tracy CR, Parry D. (2005). Comparative analysis of cutaneous evaporative water loss in frogs demonstrates correlation with ecological habits. *Physiological and Biochemical Zoology* **78**, 847-856.
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81. Wheaton L, **DONNELLAN SC**, De Vries MC, Gardner MG, Gillanders BM. (2007). Isolation of additional polymorphic tri- and tetra-nucleotide microsatellite loci for the giant Australian cuttlefish (*Sepia apama*) *Molecular Ecology Notes* **7**, 893-5.

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84. Rabosky DL, **DONNELLAN SC**, Talaba AL, Lovette IJ. Exceptional among lineage variation in diversification rates during the radiation of Australia's most diverse vertebrate clade. *Proceedings of the Royal Society of London Series B* (accepted for publication 23 August 2007).
85. Wheaton L, **DONNELLAN SC**, Gardner MG, Hollis G. Isolation of polymorphic tri- and tetra-nucleotide microsatellite loci for the highly endangered Baw Baw frog (*Philoria frosti*). *Molecular Ecology Notes* (accepted for publication 29 August 2007).

#### **NON-REFEREED PUBLICATIONS**

1. **DONNELLAN SC**. 1995. ANCA Final report on Little Tern Report.
2. **DONNELLAN SC**, McGlennon D. 1996. FRDC Final Report on Snapper stock structure.
3. Haigh L, **DONNELLAN SC**. 2000. Chapter 7 in Fowler A, McGarvey R. "Development of an integrated fisheries management model for King George whiting (*Sillaginodes punctata*) in South Australia". Final Report on FRDC Project 95/008.
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