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Education

2008/09 – 2013/02 PhD, School of Biological and Chemical Sciences, Queen Mary, University of London (QMUL)

2001/09 – 2004/06 Master of Science, Institute of Ecology and Evolutionary Biology, National Taiwan University (NTU)

1997/09 – 2001/06 Bachelor of Science, Department of Biology, National Taiwan Normal University (NTNU)

Research experiences

2018/08 – Present Postdoctoral research in Academia Sinica with 洪志銘博士

- Project: “Genomic divergence and gene expression variation underlying replicate altitudinal adaptations of birds in East Asia”

2014/10 – 2018/07 Postdoctoral research in NTU with 王俊能教授

- Project: “Evaluations of local adaptation and ecological divergence between populations of the Southeast Chinese yew (*Taxus mairei*) in the continent versus in an island”

2008/09 – 2013/02 PhD study with Prof. Stephen Rossiter and Dr. James Cotton

- Thesis: “Phylogeography and diversification of Taiwanese bats”

2006/08 – 2007/07 Research Assistant in NTU; PI:李玲玲教授

- Project: “Resource partitioning of sympatric *Myotis* and *Murina* bat species”

2001/09 – 2004/06 MS study with 李玲玲教授 and 方引平博士

- Thesis: “Systematics of bats of genus *Murina* in Taiwan (Chiroptera: Vespertilionidae)”

Teaching

2013/08 – 2014/07 Adjunct Assistant Professor, Department of Earth and Life Science,
University of Taipei

- Courses: Biogeography; Principles of Systematic Zoology;
Introduction to Natural Sciences - Biological Module

Awards / Scholarships

- Best Student Speaker Prize, 2011. 2nd International South-East Asian Bat Conference, Indonesia.
- Studying Abroad Scholarship, 2010. MOE, Taiwan.
- University of London Central Research Fund Grant, 2009. University of London.
- Overseas Research Students Awards Scheme, 2008. QMUL.

Journal papers (recent 5 years)

Kuo H-C, Yao C-T, Liao B-Y, Weng M-P, Dong F, Hsu Y-C, Hung C-M. Higher evolvability in genes exhibiting stronger phenotypic plasticity that facilitates local adaptation. Submitted to *BMC Biology* (29 Nov 2021).

Dong F, Kuo H-C, Chen G-L, Wu F, Shan P-F, Wang J, Chen D, Lei F-M, Hung C-M, Liu Y, Yang X-J (2021) Population genomic, climatic and anthropogenic evidence suggest the role of human forces in endangerment of green peafowl (*Pavo muticus*). *Proceedings of the Royal Society B: Biological Sciences*, 288, 20210073.

Chen Y-C, Kuo H-C, Lo W-S, Hung C-M (2020) Avian phenotypic convergence is subject to low genetic constraints based on genomic evidence. *BMC Evolutionary Biology*, 20, 147.

Hasnim MRI, Kuo H-C, Sah SM, Lim L-S (2020) Physical conditions and microclimate of two *Cynopterus* species roosts in an abandoned village in Lambor, Perak. *Journal of Sustainability Science and Management*, 15, 59–71.

Huang JC-C, Ho Y-Y, Kuo H-C (2020) Illustrated field keys to the bats (Mammalia: Chiroptera) of Taiwan. *Journal of Threatened Taxa*, 12, 15675–15710.

Lee Y-I, Chung M-C, Kuo H-C, Wang C-N, Lee Y-C, Lin C-Y, Jiang H, Yeh C-H (2017) The evolution of genome size and distinct distribution patterns of rDNA in *Phalaenopsis* (Orchidaceae). *Botanical Journal of the Linnean Society*, 185, 65–80.

Kuo H-C, Soisook P, Ho Y-Y, Csorba G, Wang C-N, Rossiter SJ (2017) A taxonomic revision of the *Kerivoula hardwickii* complex (Chiroptera: Vespertilionidae) with the description of a new species. *Acta Chiropterologica*, 19, 19–39.

Journal papers (archives)

Kuo H-C, Chen S-F, Fang Y-P, Cotton JA, Parker JD, Csorba G, Lim BK, Eger JL, Chen C-H, Chou C-H, Rossiter SJ (2015) Speciation processes in putative island

endemic sister bat species: false impressions from mitochondrial DNA and microsatellite data. *Molecular Ecology*, 24, 5910–5926.

Soisook P, Struebig MJ, Noerfahmy S, Bernard H, Maryanto I, Chen S-F, Rossiter SJ, Kuo H-C, Deshpande K, Bates PJJ, Sykes D, Miguez RP (2015) Description of a new species of the *Rhinolophus trifolius*-group (Chiroptera: Rhinolophidae) from Southeast Asia. *Acta Chiropterologica*, 17, 21–36.

Kuo H-C, Chen S-F, Fang Y-P, Flanders J, Rossiter SJ. (2014) Comparative rangewide phylogeography of four endemic Taiwanese bat species. *Molecular Ecology*, 23, 3566–3586.

Kuo H-C, Chen S-F, Rossiter SJ (2013) Development and characterisation of microsatellite loci for *Murina gracilis* (Vespertilionidae) and cross-species amplification in two other congeneric species. *Conservation Genetics Resources*, 5, 1117–1120.

Kuo H-C, Fang Y-P, Csorba G, Lee L-L (2009) Three new species of *Murina* (Chiroptera: Vespertilionidae) from Taiwan. *Journal of Mammalogy*, 90, 980-991.

黃俊嘉, 李玲玲, 郭浩志 (2008) 台灣地區兩中型鼠耳蝠—台灣鼠耳蝠 (*Myotis taiwanensis*) 和鼠耳蝠 sp.1 (*Myotis* sp.1) 之圖檢索表。野生動物保育彙報及通訊, 12 卷, 20–27 頁。

Kuo H-C, Fang Y-P, Csorba G, Lee L-L (2006) The definition of *Harpiola* (Chiroptera: Murininae) and the description of a new species from Taiwan. *Acta Chiropterologica*, 8, 11–19.

Conference abstracts (since 2010)

Kuo H-C, Rossiter SJ (2019) Niche modeling and electrical circuit theory predict gene flow in Taiwanese bat species. 2019 東南亞蝙蝠聲學座談會, 南投。(Talk)

Kuo H-C, Wang C-N, Rossiter SJ (2018) Integrating niche modelling into population genetic analyses helps for unravelling diversification drivers - illustrated with Taiwanese bat species. 2018 動物行為暨生態學研討會, 新竹。(Talk)

Kuo H-C, Gao L-M, Möller M, Hwang S-Y, Wang C-N (2016) Local adaptation of *Taxus mairei*: continent versus island. 2016 台灣植物學會年會暨「氣候變遷：植物演化之因應策略」研討會, 台中。(Disseminated by 王俊能教授)

- Kuo H-C, Soisook P, Ho Y-Y, Csorba G, Rossiter SJ (2016) A taxonomic revision of the *Kerivoula hardwickii* complex (Chiroptera: Vespertilionidae) with the description of a new species. 2016 蝙蝠生物學國際研討會, 台中。 (Talk)
- Kuo H-C, Chen S-F, Fang Y-P, Cotton JA, Parker J, Csorba G, Lim B, Chen C-H, Chou C-H, Rossiter SJ (2014) A test of non-allopatric divergence in two putative island endemic sister bat species. 2014 蝙蝠研究與公民參與研討會, 嘉義。 (Talk)
- Kuo H-C, Cotton J, Chen S-F, Fang Y-P, Rossiter SJ (2011) Speciation in the face of gene flow? A case study of Taiwanese bats. 2nd International South-East Asian Bat Conference, Bogor, Indonesia. (Talk)
- Kuo H-C, Cotton J, Chen S-F, Fang Y-P, Rossiter SJ (2011) Speciation in the face of gene flow? A case study of Taiwanese bats. British Ecological Society - Ecological Genetics Group 55th Meeting, London, UK. (Talk)
- Kuo H-C, Cotton J, Chen S-F, Fang Y-P, Rossiter SJ (2010) Speciation in the face of gene flow? A case study of Taiwanese bats. British Bat Research Symposium, London, UK. (Talk)
- Kuo H-C, Cotton J, Chen S-F, Fang Y-P, Rossiter SJ (2010) Speciation in the face of gene flow? A case study of Taiwanese bats. British Ecological Society - Tropical Ecology Group Meeting, Nottingham, UK. (Poster)