

Curriculum vitae XIAOYAN LONG

Groningen Institute for Evolutionary Life Sciences
Nijenborgh 7, 9747 AG Groningen, The Netherlands
Phone: +31 (0)68 311 56 82
Email: x.long@rug.nl
URL: <https://www.marmgroup.eu/2019/02/xiaoyan-long/>

EDUCATION

2016-now Ph.D., University of Groningen, The Netherlands

Thesis title: Evolution of sex roles

Thesis advisors: Franz J. Weissing, Jan Komdeur, Tamas Székely

2012-2016 B.A. Ecology, Sun Yat-sen University, China

TEACHING EXPERIENCE

2018-2020 Teaching Assistant, University of Groningen

Programming in C++ for Biologists

Behaviour, Ecology and Evolution.

PUBLICATIONS

Long X, Székely, T., Komdeur J, Weissing, FJ. 2021. Not sex ratio but differences in life history drive the evolution of parental sex roles. Manuscript in preparation.

Long X, Weissing, FJ. 2021. Joint evolution of sex-specific parental investment and the primary sex ratio. Manuscript in preparation.

Long X, Liu Y, Liker A, Weissing FJ, Komdeur J and Székely T. 2021. How do ecological and social environments reflect parental roles in birds? A comparative analysis. Under review. Preprint: *bioRxiv* 2020.12.24.424295.

Long X, Weissing FJ. 2021. Individual variation in parental care drives divergence of sex roles. Under review. Preprint: *bioRxiv* 2020.10.18.344218.

Komdeur J, Székely T, **Long X**, Kingma SA. 2017. Adult sex ratios and their implications for cooperative breeding in birds. *Phil Trans R Soc B*. 372:20160322.

Hua F, Hu J, Liu Y, Giam X, Lee TM, Luo H, Wu J, Liang Q, Zhao J, **Long X et al.** 2016. Community-wide changes in inter-taxonomic temporal co-occurrence resulting from phenological shifts. *Global Change Biol*. 22:1746-1754.

CONFERENCES

- 2021: Annual Meeting of the Society for the Study of Evolution and the American Society of Naturalists *Virtual Evolution 2021* (online); oral presentation “Individual variation in parental care drives divergence of sex roles”
- 2019: Conference *Reproductive Strategies – From Genes to Societies* (Budapest, Hungary); oral presentation: “Modelling the evolution of parental sex roles”
- 2019: *Annual Meeting of the Netherlands Society for Evolutionary Biology* (Ede, NL); poster presentation: “Coevolution of sex-specific parental roles and the sex ratio”
- 2018: Conference on *Interplay Between Parental Care and Sexual Selection* (Fiskebäckskil, Sweden); poster presentation: “Evolutionary determinants of parental care bias in birds”
- 2017: Conference *Evolution of Sex Roles* (Debrecen, Hungary); oral presentation: “Evolution of parental care: phylogenetic analysis of life history and ecology in birds”

AWARDS AND HONORS

- PhD scholarship (China Scholarship Council, 2016-2020)
- Outstanding graduate of Sun Yat-sen University (Sun Yat-sen University, 2016)
- Undergraduate Scholarship (Sun Yat-sen University, 2013-2016)

RELEVANT SKILLS

- Programming ability in C++ and MATLAB
- Extensive knowledge of R, Mathematica, and Adobe Illustrator
- Fluent in English and Chinese