JINLIN CHEN (陈金琳)

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EDUCATION

University of Oxford   Oxford, UK
DPhil in Zoology   Oct 2018 – Oct 2022 (submission)
- Thesis title: "Experimental Community and Thermal Ecology of Rainforest Drosophila and Their Parasitoids" (Supervised by Owen Lewis).
- Studying the biotic and abiotic determinants of species distribution and experimenting how species interactions influence population's and community's response to climate change.

Peking University   Beijing, China
BSc. in Biological Science (honoured)   Sep 2013 – Jul 2018
- GPA: 89/100; Rank: 5/123

University of California, Berkeley   Berkeley, USA
Visiting Student in Integrative Biology   Aug 2016 – Dec 2016
- Courses and Grades: Ecological Genetics: A; Evolution: A^+; Host-Pathogen Interaction: A^+

PUBLICATIONS

[1]. **Chen, J.**, & Lewis, O. T (2022). Factors determining distributions of rainforest Drosophila shift from interspecific competition to high temperature with decreasing elevation. *In review with Ecological Monographs. (preprint: https://doi.org/10.1101/2022.04.01.486700)*

[2]. Terry, J. C. D.*, **Chen, J.*,** & Lewis, O. T. (2021). Natural enemies have inconsistent impacts on the coexistence of competing species. Journal of Animal Ecology, 90(10), 2277-2288. (* co-first author)

[3]. Yang, L., Zhang, B., Wang, X., Ren, Y., **Chen, J**., Zhang, C., ... & Luan, X. (2018). Gap analysis and implications for seasonal management on a local scale. PeerJ, 6, e5622.

[4]. **Chen, J.**, & Lewis, O. T (*In preparation*). Heatwaves and warming induce distinctive community responses through their interactions with a novel species.

[5]. **Chen, J.**, & Lewis, O. T (*In preparation*). Cryptic host-parasitoid interaction enhances the host population's resistance to heatwaves.

[6]. **Chen, J.**, Wang, W., Zhao, J. & Yao, M. (*In preparation*) Simulation-based inference of dispersal patterns in an endangered primate using approximate Bayesian computation.

CONFERENCES

- London Natural History Museum, The Explorer Programme Summer Social   2022
  (Talk: biological responses to climate change)
- Leipzig UFZ & iDiv, Frontiers in Experimental Research on Changing Climate   2022
  (Talk: heatwave and warming induce distinctive community responses through their interactions with a novel species)
- Liverpool, British Ecology Society annual meeting 2021   2021
  (Talk: parasitoid interaction history and food quality influence heatwave resistance of *Drosophila* population)
- Festival of Ecology, British Ecology Society annual meeting 2020   2020
  (Talk: high temperature structures tropical forest *Drosophila* communities)
- Birmingham, British Ecology Society annual meeting 2018 (attendee)   2018
- Duke Kunshan University, Conservation of China's Tropical Biodiversity (poster)   2016
- Peking University, 3rd Symposium of Undergraduate Honour Program of Biology (oral talk)   2015

TEACHING

- Co-supervisor, Master project in Biology (Eloise Newman)   Oxford, 2021-2022
  (thesis title: how does temperature influence the outcome of intrasexual contests between two co-existing species;)
- Demonstrator and assisting lecturer, Programming in R (refresher) course   Oxford, 2022

- Facilitators, MBiol journal club course   Oxford, 2022
- Facilitator and demonstrator, DTC statistics and data management course   Oxford, 2021
- Demonstrator, Biology undergraduate course: Climate envelope model   Oxford, 2021
- Co-supervisor, Undergraduate research project in Biology (Maryam Binti Mohd Hafiz) Oxford,2020 (grant proposal title: how does different duration of heatwaves affect host-parasitoid interactions?)
- Co-supervisor, Undergraduate research project in Biology (Julia Cypar and Ellie Jarvis) Oxford,2019 (thesis title: do fruit flies optimize their dietary choices?)
- Teaching assistant, Mathematical modelling in Biology (on edX)   Peking University, 2016
- Teaching assistant, Genetics   Peking University, 2016

AWARDS

- Chinese Government Scholarship, China Scholarship Council (worth of £127,000)   2018-2022
- Biology Eurofins Foundation Award (£1,000)   2022
- Academic Support Grant, The Queen's College, University of Oxford (£100)   2020
- Sponsored place for the "Ecological Survey Techniques" Course, Oxford (£500)   2020
- Academic Support Grant, The Queen's College, University of Oxford (£350)   2018
- Honorary China Oxford Award, China Oxford Scholarship Fund (£3,000)   2018
- Excellent Undergraduate Student, Peking University   2018
- Jinlongyu Scholarship (rank 1st), Peking University (approximately £1,200)   2016
- Yang Fuqing Academician Scholarship (rank 5th), Peking University (approximately £500)   2015

SKILLS

Quantitative Skills
- Proficient in conducting statistical analysis and mathematical modelling in R.
- Course project level in coding in MATLAB and C.
- Geographic Information System by ArcGIS or R.
- Causal Inference ("Advance Research Method" one-week course by Oxford spring school, 2022).
- Intermediate Statistics and Data Management (three-week course by Oxford DTP, 2020).
- Integral Projection Model ("Stage-based Demographic Modelling" one-week course by NERC advance training short course, 2019).

Fieldwork Skills
- Bird survey (fieldwork assistant).
- Camera trapping (research project).
- Invertebrate survey ("Field Techniques for Surveying Invertebrates" four-week part-time course by Oxford continuing education department, 2020).

Language Skills
- Proficient in Mandarin and English.

EXTRACURRICULAR EXPERIENCES

Oxford University Sports Team   Oxford, UK
- Volleyball (Women's 1st team member and 2020-2021 captain)   2018 – present
- Table Tennis (Women's 1st team member)   2020 – present

The Nature Conservancy (TNC)   Beijing, China
Research Intern to design a health assessment framework for small river basin.   Mar – Aug 2018

Fieldwork Assistant   Tangshan, China
Investigating shorebirds' spatial usage of tidal area.   May 2017

The Nature Conservancy (TNC)   Lijiang, China
Volunteer   Feb – Apr 2017
- Developed an R package (internal use, hasn't been published) to analyse wildlife monitoring data by the local petrol team in a standardized and convenient way.

- Conducted an interview survey of local communities to investigate the long-term impact of previous conservation actions. This work led to new 10-year conservation funding from Ant Forest by Alibaba to the interview site.

Peking University Greenlife Society   Beijing, China
Committee: Project Coordinator   2013 – 2016

Peking University Social Practice Team on Fishery Reform Investigation   Fujian, China
Core Member   July 2014
- Interviewed people from various backgrounds to record existing problems and exemplary practices in Chinese fishery.
- Represent the team to present this work at Peking University Summer Social Practice Contest and won first place.
- Awarded the outstanding team of Beijing College students.