## Rebecca A. Senior

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# **Professional Appointments**

- 2022 · · · Assistant Professor in Ecology, Dept. of Biosciences, Durham University, UK.
- 2019 2021 O Postdoctoral Researcher, Princeton University, USA. PI: Prof David Wilcove.

## **Education**

2014 - 2018 • Ph.D. in Ecology & Conservation, University of Sheffield, UK.

Supervisors: Prof David Edwards and Prof Jane Hill

The impacts of forest conversion and degradation on climate resilience in the tropics. Investigating how loss and degradation of tropical forests affects species' exposure to climate change and their ability to respond, particularly by exploiting microclimates or shifts in distribution.

# **Professional Experience**

- 2020 International Boreal Conservation Campaign, USA. Consultant.
  - ♦ Review of how forest management practices impact carbon cycles & stocks
- 2019 ♦ University of Florida, USA. Visiting Researcher. PI: Dr Brett Scheffers.
- 2016 **Rewilding Britain**, UK. Knowledge Transfer Executive.
  - Synthesising scientific & grey literature to produce guidelines for applying rewilding at small scale
  - Organising & reporting on a stakeholder workshop on rewilding in the English uplands (Sandom et al., 2019)
- 2014 University of Sheffield, UK. Research Assistant. PI: Prof David Edwards. Fieldwork in Bornean rainforest:
  - ♦ Tree-liana interaction networks (Magrach et al., 2016)
    - Quantifying microclimates using thermal cameras (Scheffers et al., 2017)
- 2013 − 2014 ♦ UNEP-WCMC, Cambridge, UK. Consultant.
  - ♦ Updating & analysing UNEP-WCMC Google Scholar profile
  - Incorporation of fisheries data into the Madingley model
  - 2013 UNEP-WCMC, Cambridge, UK. Science Intern.
    - Custom Python code to create species richness maps using IUCN range data
    - ♦ Data collation & analysis for the PREDICTS project & associated publications (Hudson et al., 2017; Newbold et al., 2015; Hudson et al., 2014)
  - - Assisting in caiman, mammal & bird surveys

## **Research Publications**

I have 25 publications in international peer-reviewed journals, including 8 first author articles. My h-index = 18, i10-index = 21, and total citations = 6,162 (as per Google Scholar Citations).

- Fredston, A., Tingley, M., Neate-Clegg, M., Evans, L. J., Antão, L., Ban, N., Chen, I.-C., Chen, Y.-W., Comte, L., Edwards, D., Evengard, B., Fadrique, B., Falkeis, S., Guralnick, R., Klinges, D., Lembrechts, J. J., Lenoir, J., Palacios-Abrantes, J., Pauchard, A., Pecl, G., Pinsky, M., Senior, R. A., Smith, J., Soifer, L., ... Scheffers, B. (in press). Reimagining species on the move across space and time. *Trends in Ecology & Evolution*.
- Simkins, A. T., Sutherland, W. J., Dicks, L. V., Hilton-Taylor, C., Grace, M. K., Butchart, S. H. M., Senior, R. A., & Petrovan, S. O. (2025). Past conservation efforts reveal which actions lead to positive outcomes for species. *PLOS Biology*, 23(3), e3003051. https://doi.org/10.1371/journal.pbio.3003051
- Senior, R. A., Bagwyn, R., Leng, D., Killion, A. K., Jetz, W., & Wilcove, D. S. (2024). Global shortfalls in documented actions to conserve biodiversity. *Nature*, 1–5. https://doi.org/10.1038/s41586-024-07498-7
- 4 Santos, E. G., Svátek, M., Nunes, M. H., Aalto, J., Senior, R. A., Matula, R., Plichta, R., & Maeda, E. E. (2024). Structural changes caused by selective logging undermine the thermal buffering capacity of tropical forests. *Agricultural and Forest Meteorology*, 348, 109912. https://doi.org/10.1016/j.agrformet.2024.109912
- De Frenne, P., Beugnon, R., Klinges, D., Lenoir, J., Niittynen, P., Pincebourde, S., Senior, R. A., Aalto, J., Chytrý, K., Gillingham, P. K., Greiser, C., Gril, E., Haesen, S., Kearney, M., Kopecký, M., le Roux, P. C., Luoto, M., Maclean, I., Man, M., Penczykowski, R., van den Brink, L., Van de Vondel, S., De Pauw, K., Lembrechts, J. J., ... Van Meerbeek, K. (2024). Ten practical guidelines for microclimate research in terrestrial ecosystems. *Methods in Ecology and Evolution*, n/a(n/a). https://doi.org/10.1111/2041-210X.14476
- Kemppinen, J., Lembrechts, J. J., Van Meerbeek, K., Carnicer, J., Chardon, N. I., Kardol, P., Lenoir, J., Liu, D., Maclean, I., Pergl, J., Saccone, P., **Senior**, **R. A.**, Shen, T., Słowińska, S., Vandvik, V., von Oppen, J., Aalto, J., Ayalew, B., Bates, O., Bertelsmeier, C., Bertrand, R., Beugnon, R., Borderieux, J., Brůna, J., ... De Frenne, P. (2024). Microclimate, an important part of ecology and biogeography. *Global Ecology and Biogeography*, *n/a*(n/a), e13834. https://doi.org/10.1111/geb.13834
- Zeng\*, Y., Senior\*, R. A., Crawford, C. L., & Wilcove, D. S. (2023). Gaps and weaknesses in the global protected area network for safeguarding at-risk species [\*joint first author]. *Science Advances*, 9(22), eadgo288. https://doi.org/10.1126/sciadv.adg0288
- Ma, L., Conradie, S. R., Crawford, C. L., Gardner, A. S., Kearney, M. R., Maclean, I. M. D., McKechnie, A. E., Mi, C.-R., Senior, R. A., & Wilcove, D. S. (2023). Global patterns of climate change impacts on desert bird communities. *Nature Communications*, 14(1), 211. https://doi.org/10.1038/s41467-023-35814-8
- 9 Senior, R. A., Oliveira, B. F., Dale, J., & Scheffers, B. R. (2022). Wildlife trade targets colorful birds and threatens the aesthetic value of nature. *Current Biology*, 32(19), 4299–4305.e4. https://doi.org/10.1016/j.cub.2022.07.066
- Lembrechts, J. J., van den Hoogen, J., Aalto, J., Ashcroft, M. B., De Frenne, P., Kemppinen, J., Kopecký, M., Luoto, M., Maclean, I. M. D., Crowther, T. W., Bailey, J. J., Haesen, S., Klinges, D. H., Niittynen, P., Scheffers, B. R., Van Meerbeek, K., Aartsma, P., Abdalaze, O., Abedi, M., Aerts, R., Ahmadian, N., Ahrends, A., Alatalo, J. M., Alexander, J. M., ... Lenoir, J.

- (2021). Global maps of soil temperature. *Global Change Biology*, *n/a*(n/a). https://doi.org/https://doi.org/10.1111/gcb.16060
- Lin, B., Dietrich, M. L., Senior, R. A., & Wilcove, D. S. (2021). A better classification of wet markets is key to safeguarding human health and biodiversity. *The Lancet Planetary Health*, 5(6), e386–e394. https://doi.org/https://doi.org/10.1016/S2542-5196(21)00112-1
- Lembrechts, J. J., Aalto, J., Ashcroft, M. B., Frenne, P. D., Kopecký, M., Lenoir, J., Luoto, M., Maclean, I. M. D., Roupsard, O., Fuentes-Lillo, E., García, R. A., Pellissier, L., Pitteloud, C., Alatalo, J. M., Smith, S. W., Björk, R. G., Muffler, L., Backes, A. R., Cesarz, S., Gottschall, F., Okello, J., Urban, J., Plichta, R., Svátek, M., ... Nijs, I. (2020). SoilTemp: A global database of near-surface temperature. *Global Change Biology*, n/a(n/a). https://doi.org/10.1111/gcb.15123
- Senior, R. A. (2020). Hot and bothered: The role of behaviour and microclimates in buffering species from rising temperatures. *Journal of Animal Ecology*, 89(11), 2392–2396. https://doi.org/https://doi.org/10.1111/1365-2656.13363
- Borrell, J. S., Al Issaey, G., Lupton, D. A., Starnes, T., Al Hinai, A., Al Hatmi, S., Senior, R. A., Wilkinson, T., Milborrow, J. L. H., Stokes-Rees, A., & Patzelt, A. (2019). Islands in the desert: Environmental distribution modelling of endemic flora reveals the extent of Pleistocene tropical relict vegetation in southern Arabia. *Annals of Botany*, 124(3), 411–422. https://doi.org/10.1093/aob/mcz085
- Senior, R. A., Hill, J. K., & Edwards, D. P. (2019a). Global loss of climate connectivity in tropical forests. *Nature Climate Change*, 9(8), 623–626. https://doi.org/10.1038/s41558-019-0529-2
- Jucker, T., Jackson, T., Zellweger, F., Swinfield, T., Gregory, N., Williamson, J., Slade, E., Phillips, J. W., Bittencourt, P. R. L., Blonder, B., Boyle, M. J. W., Ellwood, M. D. F., Hemprich-Bennett, D., Lewis, O., Matula, R., Senior, R. A., Shenkin, A. F., Svátek, M., & Coomes, D. A. (2019). A research agenda for microclimate ecology in human-modified tropical forests. Frontiers in Forests and Global Change, 2. https://doi.org/10.3389/ffgc.2019.00092
- Sandom, C. J., Dempsey, B., Bullock, D., Ely, A., Jepson, P., Jimenez-Wisler, S., Newton, A., Pettorelli, N., & Senior, R. A. (2019). Rewilding in the English uplands: Policy and practice. *Journal of Applied Ecology*, 56(2), 266–273. https://doi.org/10.1111/1365-2664.13276
- Senior, R. A., Hill, J. K., & Edwards, D. P. (2019b). ThermStats: An R package for quantifying surface thermal heterogeneity in assessments of microclimates. *Methods in Ecology and Evolution*, 10(9), 1606–1614. https://doi.org/10.1111/2041-210X.13257
- Senior, R. A., Hill, J. K., Benedick, S., & Edwards, D. P. (2018). Tropical forests are thermally buffered despite intensive selective logging [*Cover article*]. *Global Change Biology*, 24(3), 1267–1278. https://doi.org/10.1111/gcb.13914
- Hudson, L. N., Newbold, T., Contu, S., Hill, S. L. L., Lysenko, I., De Palma, A., Phillips, H. R. P., Alhusseini, T. I., Bedford, F. E., Bennett, D. J., Booth, H., Burton, V. J., Chng, C. W. T., Choimes, A., Correia, D. L. P., Day, J., Echeverría-Londoño, S., Emerson, S. R., Gao, D., Garon, M., Harrison, M. L. K., Ingram, D. J., Jung, M., Kemp, V., ... Purvis, A. (2017). The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution*, 7(1), 145–188. https://doi.org/10.1002/ece3.2579
- Scheffers, B. R., Edwards, D. P., Macdonald, S. L., **Senior**, **R. A.**, Andriamahohatra, L. R., Roslan, N., Rogers, A. M., Haugaasen, T., Wright, P., & Williams, S. E. (2017). Extreme thermal heterogeneity in structurally complex tropical rain forests. *Biotropica*, 49(1), 35–44. https://doi.org/10.1111/btp.12355

- Senior, R. A., Hill, J. K., González del Pliego, P., Goode, L. K., & Edwards, D. P. (2017). A pantropical analysis of the impacts of forest degradation and conversion on local temperature. *Ecology and Evolution*, 7(19), 7897–7908. https://doi.org/10.1002/ece3.3262
- Magrach, A., Senior, R. A., Rogers, A., Nurdin, D., Benedick, S., Laurance, W. F., Santamaria, L., & Edwards, D. P. (2016). Selective logging in tropical forests decreases the robustness of liana–tree interaction networks to the loss of host tree species. *Proc. R. Soc. B*, 283(1826), 20153008. https://doi.org/10.1098/rspb.2015.3008
- Newbold, T., Hudson, L. N., Hill, S. L. L., Contu, S., Lysenko, I., Senior, R. A., Börger, L., Bennett, D. J., Choimes, A., Collen, B., Day, J., De Palma, A., Díaz, S., Echeverria-Londoño, S., Edgar, M. J., Feldman, A., Garon, M., Harrison, M. L. K., Alhusseini, T., Ingram, D. J., Itescu, Y., Kattge, J., Kemp, V., Kirkpatrick, L., ... Purvis, A. (2015). Global effects of land use on local terrestrial biodiversity. *Nature*, 520(7545), 45–50. https://doi.org/10.1038/nature14324
- Hudson, L. N., Newbold, T., Contu, S., Hill, S. L. L., Lysenko, I., De Palma, A., Phillips, H. R. P., Senior, R. A., Bennett, D. J., Booth, H., Choimes, A., Correia, D. L. P., Day, J., Echeverría-Londoño, S., Garon, M., Harrison, M. L. K., Ingram, D. J., Jung, M., Kemp, V., Kirkpatrick, L., Martin, C. D., Pan, Y., White, H. J., Aben, J., ... Purvis, A. (2014). The PREDICTS database: A global database of how local terrestrial biodiversity responds to human impacts. *Ecology and Evolution*, 4(24), 4701–4735. https://doi.org/10.1002/ece3.1303

## **Media Coverage**

- Senior et al. (2022) "Wildlife trade targets colorful birds and threatens the aesthetic value of nature", *Current Biology*, received widespread coverage in the media, including: **BBC News**, The Independent, Mongabay, South Africa Today and **The Conversation**.
  - BBC Radio 4 Inside Science, live radio interview discussing trade of colourful birds.
- 2019 Thermal Images in R, Methods.blog, 21 August.
  - Tropical biodiversity faces intersecting threats, Physics Today, 25 July.
  - ♦ Deforestation + climate change = dead end for wildlife, **Agence France Presse**.
- - Logged forests still offer refuge for endangered tropical species, Environmental Research Web, 27
     October.
- 2016 Public engagement training & Wychwood, **BES Bulletin**, Issue 15.

#### **Awards**

- 2023 Founders' Prize, British Ecological Society, awarded to an outstanding early career ecologist who is starting to make a significant contribution to the science of ecology

### **Grants**

### Successful

- NERC, Pushing the Frontiers (£1,000,000.00), co-I.

  "Understanding How Land-use-climate Interactions Restructure Terrestrial Biodiversity To Develop A New Generation Of Global Biodiversity Models."
  - Royal Society, Research Grant (£20,000), PI.
     "Using drone-based LiDAR to measure and model the 3D microclimate space of UK rewilding sites."
- - Durham University, Seedcorn Fund (£15,000), PI.
     "Rewilding microclimates to conserve UK biodiversity under climate change."
- v Royal Geographical Society, Small Research Grant (£2,960), PI.

  "Investigating the microclimate niche of threatened Omani plant species in the Western Hajar Mountains."
  - ♦ Anglo-Omani Society (£6,000), co-I.

    "Investigating the microclimate niche of threatened Omani plant species in the Western Hajar Mountains."
- ACCE Extension for Publication (£3,600), to prepare & submit a high impact manuscript.
  - ♦ British Ecological Society, Travel Grant (£500), to attend ATBC Annual Meeting.
- ACCE Placement Support (£1,500), 3-month placement at Rewilding Britain, UK.
  - Departmental Travel Fund (£800), to attend Conservation Asia 2016.
- NERC, Doctoral Training Partnership studentship, stipend (£55,452), research and training grant (£11,000) and fees (£17,484).
- 2013 Ourham Fund (£1,000), for UNEP-WCMC internship.

#### Unsuccessful

- NERC, Pushing the Frontiers (£1,000,000.00), co-I.

  "Revealing the mechanisms driving species responses to climate change (RESPONSE)."
  - ♦ Rewilding Britain, Rewilding Innovation Fund (£15,000), PI.
    "The Rewilding Microclimate Project."
- NERC, Pushing the Frontiers (£950,443), PI.
  "Redefining Extinction Risk Due To Climate Change."
  - ♦ NERC, Centre for Doctoral Training (£2,437,344), co-I.
    "MargInal Lands and Ecosystem Services (MILES) in a period of rapid change."
  - NERC, Large Grant (£526,258), co-I.
     "The Forgotten Forests: Uncovering The Potential Of Wet Woodlands As Nature Based Solutions."
- Dirich Ecological Society, Small Research Grant (£4,970), PI.

  "Investigating the microclimate niche of threatened Omani plant species in the Western Hajar Mountains."
  - Woodland Trust, Small Research Grant (£58,962), co-I.
     "Effective landscape-scale management tools for established and establishing woodlands."
  - ♦ Global Partnerships Seedcorn Fund (£41,834), co-I.
    "NI RAP-THERM: Rapid Thermal Ecology Using Next Generation Technology."
- 2020 NERC, Independent Reasearch Fellowship (£598,358), PI.
  "Redefining extinction risk due to climate change."

## **Conferences**

- Senior, R. A., Hill, J. K., & Edwards, D. P. (2023). Global loss of climate connectivity in tropical forests. Oral presentation at Species on the Move Conference.
- Zeng, Y., Senior, R. A., Crawford, C. L., & Wilcove, D. S. (2023). The challenge of conserving species with limited available habitat. Oral presentation at BES Annual Meeting.
- Senior, R. A., & Wilcove, D. S. (2019). Effectiveness of different conservation strategies for recovering threatened species. Oral presentation at BES Annual Meeting.
- Senior, R. A., Hill, J. K., & Edwards, D. P. (2018a). Global loss of climate connectivity in tropical forests. Oral presentation at ATBC Annual Meeting.
- 5 Senior, R. A., Hill, J. K., & Edwards, D. P. (2018b). Global loss of climate connectivity in tropical forests. Oral presentation at SCCS Europe.
- 6 Senior, R. A., Hill, J. K., & Edwards, D. P. (2017). Microclimates in logged tropical forest. Oral presentation at SCCS Cambridge.
- Senior, R. A., Hill, J. K., & Edwards, D. P. (2016a). Are degraded forests climate change ready? [Shortlisted for best student talk]. Oral presentation at Conservation Asia 2016, joint meeting of the Society for Conservation Biology (SCB) Asia section; the Association for Tropical Biology; Conservation (ATBC) Asia-Pacific chapter. National University of Singapore, Singapore.
- 8 Senior, R. A., Hill, J. K., & Edwards, D. P. (2016b). Are degraded forests climate change ready? Oral presentation at ACCE Annual Meeting.
- 9 Senior, R. A., Hill, J. K., & Edwards, D. P. (2015). Impacts of selective logging on thermal heterogeneity in a tropical rainforest [Shortlisted for best student poster]. Poster presentation at BES Annual Meeting. Edinburgh, UK.

## **Invited Talks**

- - ♦ The impacts of logging on tropical rainforest microclimates, Universidade de Évora, Portugal.
- - ♦ *Keynote Speaker*, Microclimate Ecology & Biogeography Conference 2022, University of Antwerp, Belgium.
  - Global patterns of conservation action and inaction, Cambridge Conservation Initiative, UK.
- Osing technology and open data to understand problems and provide solutions in conservation, Yale University, USA.
  - Connectivity under climate change in tropical forests,
     Ecological Society of America Conference 2020, Salt Lake City, USA\*.
- o Forest loss and climate change in the tropics, University of Florida, USA.
- 2017 Thermal Images in R, Sheffield R Users Group, Sheffield, UK.
- 2016 Are selectively logged forests climate change ready?, Future Cities Laboratory, Singapore.

### **Service**

Invited peer review

⋄ For >30 journals including:
 Agricultural and Forest Meteorology ⋄ Biological Conservation
 Biogeosciences ⋄ Conservation Letters
 Current Landscape Ecology Reports ⋄ Ecography ⋄ Ecology Letters
 Environmental Conservation ⋄ Environmental Management
 Environmental Research Letters ⋄ Forest Ecology and Management
 Frontiers in Forests and Global Change ⋄ Global Change Biology
 Global Ecology and Biogeography ⋄ Global Ecology and Conservation
 Global Environmental Change ⋄ Journal of Animal Ecology
 Journal of Environmental Management ⋄ The Lancet Planetary Health
 Landscape Ecology ⋄ Methods in Ecology and Evolution
 Nature Ecology & Evolution ⋄ One Earth ⋄ PeerJ
 Plant Ecology & Diversity ⋄ PLOS ONE
 Remote Sensing of Environment ⋄ Thermal Biology

Invited grant review

 Royal Geographical Society UKRI Future Leaders Fellowship

Postgraduate examiner

2024 — PhD Internal Examiner, Durham University
 2023 — PhD External Examiner, University of Exeter
 2023 — MRes Internal Examiner, Durham University

University citizenship

NERC Liaison Group, Durham University
 Exchange Coordinator, Dept. Biosciences, Durham University
 EDI Committee, Dept. Biosciences, Durham University
 Athena Swan Working Group, Dept. Biosciences, Durham University
 REF Impact Working Group, Dept. Biosciences, Durham University

External committees

Rewilding Metrics Advisory Group, Rewilding Britain
 Rewilding Special Interest Group, British Ecological Society
 Publications Committee, British Ecological Society

Conference organisation

2025 BES Rewilding SIG "Science of Rewilding" event
 2023 Species on the Move conference

Professional affiliations

British Ecological Society member (BES)
 British Mycological Society member (BMS)
 Royal Geographical Society fellow (RGS)

Recording groups

 North West Fungus Study Group Halifax Scientific Society

## **Professional Development**

 Postgraduate Certificate in Academic Practice & FHEA, Durham University. 2023-present

Using Storytelling to Communicate Science, science communication workshop 2020 with The Goodman Center, hosted by Princeton University, USA.

♦ **Doctoral Development Programme:** Research Ethics & Integrity ♦ Science in 2014 - 2018 Policy ♦ Quantitative Skills ♦ Data Management ♦ Science & Media

Attendance at Sheffield R Users Group, Sheffield, UK.

 Bayesian Methods to Fit Statistical Models in Environmental Science, NERC-2016 funded training course, University of Strathclyde, UK.

 Advanced Environmental Data Analysis using Geographical Information 2015 **Systems**, NERC-funded training course, Newcastle University, UK.

# Skills

Coding

python" = moderate, including spatial analyses.

= basic, for spatial analyses in Google Earth Engine.

LATEX= pasic

GitHub = Git and GitHub for version control & collaboration.

Fieldwork Extensive experience organising and leading fieldwork in remote locations, including deserts and mountains of Oman (3 expeditions in 2017, 2018 and 2022) and total of 7 months in Borneo rainforest, over 2014 and 2015. Biodiversity surveys in **Peruvian Amazon** (5 weeks), and **various habitats** 

across the UK, e.g. uplands, chalk grassland, woodlands.

Field skills Good knowledge of UK habitats & current issues in UK land management & Taxonomic & field skills for several taxa: fungi, vascular plants, mammals, **birds**  $\diamond$  Experienced in forestry techniques  $\diamond$  User and developer of modern technologies for monitoring, including satellite imagery, drones, microclimate dataloggers, camera traps, acoustic recorders, thermal imaging.

Outdoor skills ♦ **Experienced outdoor leader:** solo, with peers & as a Civilian Instructor for the RAF Air Cadets & Mountain Leader Trained, not yet assessed.

First Aid Wilderness First Aid (valid to May 2025).

**GIS** Spatial analyses using R, Google Earth Engine, QGIS and ArcGIS.

Statisics Experience of advanced statistical techniques including general and generalized linear models, additive models, mixed models and principal component

analysis > Familiarity with Bayesian methods.

Public Engagement Speaker for "Todmorden Tomorrow" event (2024) ♦ Invited panellist for University of Sheffield debate: "Visions of Nature in a World of 10 Billion" (2017)  $\diamond$  British Ecological Society (BES) "Roadie" at Wychwood Festival (2016) \$\rightarrow\$ Talk & practical session with Earthwatch Institute in Malua, Borneo (2015) > Designed and hosted ecology stall at Discovery Night, University of

Sheffield, UK (2015).

♦ Full, clean UK driving licence ♦ 4x4 driving experience. Driving

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## **Teaching and Supervision**

#### **Postgraduate**

2023-present • Teaching: Principles of GIS

2024-present • Joshua Taylor, MRes, expected graduation in 2025

2023-present • Jack Marchant, PhD, expected graduation in 2027

Cameron Goodhead, PhD, expected graduation in 2027

2023-2024 Vita Milana, MBiol (First Class)

#### Undergraduate

Level 3 Ecology in the Anthropocene

Level 3 Conservation Biology

Level 3 Research Project (2 students to date)

> Level 3 Field Course (2024 - Belize; 2022 - Kenya) Level 3 Literature Review (8 students to date)

Sophia Richter, Princeton University

2019 − 2021 ♦ Senior thesis advisees

Hana Jiang, Princeton University

Molly Muir, Princeton University, winner of the senior thesis Conservation Prize

R and statistics course for postgraduate students  $\diamond$  Undergraduate field courses for: 'Population & Community Ecology', 'Tropical Forest Ecology & Conservation'

2013 – 2014 • Undergraduate Supervisor, University of Cambridge, UK.

Up to 16 students for modules: 'Evolution & Behaviour' and 'Ecology'

#### Secondary school

2017 – 2021 O Brilliant Club Tutor

Designed, taught and assessed University-style courses in ecology & conservation for students aged 9-17 in underprivileged schools.

2013 – 2014 A-level Biology Tutor, Cambridge, UK.