

Patrick G. Cannon

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Education

- 2013-2017 **MBiolSci in Biology - University of Sheffield, Department of Animal & Plant Sciences, UK**
- **Level 4:** Research project, Research dissertation (Title: Land-sparing: Optimising tropical landscapes for biodiversity and agriculture) First class (85), Advanced trends in biology (75), Advanced biological analysis, Research and study skills in biology (90). **Awaiting final degree classification.**
 - **Level 3:** Research project (Title: Assessing the effects of agricultural intensity and surrounding forests on avian diversity in the UK for effective land-use conservation) First class (75), Dissertation (Title: Predicting success: realising ecotourism's potential as an effective tool for the conservation of tropical forests) 2.1 (65), Tropical rain forest Biology: Borneo field course, Life in extreme environments, Evolution of terrestrial ecosystems, Topics in evolutionary genetics, Conflict and cooperation, Conservation issues and management. **Classification 2.1 (69/100).**
 - **Level 2:** Animal and plant science tutorials, Data analysis, Animal diversity practical, Biology projects, Insect biology, Environmental biology, Palaeobiology, Conservation principles, Animal diversity, Symbiosis, Careers for biologists, Tropical forest ecology and conservation. **Classification 2.1 (66/100).**
 - **Level 1:** Reproduction, development and growth, Evolution, Biodiversity, Population and community ecology 1, Ecosystems and environmental change, Behaviour of humans and other animals, Laboratory skills 1 & 2, Skills for biologists 1, Genes, cells and populations. **First class (78/100).**

Research and Practical Experience

Fieldwork assistant – Borneo Rainforest project

Duration June - September (3 months) 2016, Full time field season

Description Long-term effects of logging on avian community ecology and physiology, Danum Valley field station Malaysian Borneo, project coordinator Dr David Edwards, field work coordinator Suzanne Tomassi.

Skills & duties Tropical field work in Bornean rainforest – collected data on bird diversity, vital rates, condition and movements via mist netting.
Species identification, sexing and aging of birds (determined by plumage, feather condition, brood patch, and/or cloacal condition). Handling and processing of individuals (wing, culmen and tarsal length, beak depth, weight, assisting in blood samples and body and flight feather moult). Mist net use, set up, take down and repairs. Further enhanced recording, sampling and monitoring skills in a pressured and often difficult environment.

Trainee ringer - British Trust for Ornithology Sorby Breck ringing group

Duration October 2015 – Present (part time)

Description Worked alongside experienced handlers and other trainees monitoring survival rates of birds and collecting information about their movements.

Skills & duties Species identification, handling, sexing and aging of UK bird species. Mist net use.

Fieldwork member – Level 3 Project, Rivelin Valley, Peak District, UK

Duration October – November, 2015

Description Assessing the effects of agricultural intensity and surrounding forests on avian diversity in the UK for effective land-use conservation.

Skills & duties Collected point count data for UK birds. Species identification (sight and song), data recording, GPS logging. **Grade achieved (First class, 75).**

Borneo Field Course, Danum Valley Field Centre, Malaysian Borneo

Duration June 18th – July 1st, 2015

Description Tropical rainforest ecology field course focusing on the structure of forest strata, communities, processes and their current threats (logging and agricultural encroachment for oil palm).

Skills & duties Included a short group research project. Developed skills in data collection, communication through daily presentations, experience in hypotheses and methodology design, and strong group work skills throughout. **Grade achieved (First class, 73).**

Hatchery assistant – Kames Fish farming Ltd. (Large aquaculture company, Scotland)

Duration July – August 2011, 12, 13

Description Worked in small teams or alongside hatchery managers surveying young farmed trout and salmon populations in fresh water hill lochs, hatcheries and sea lochs.

Skills & duties Tested for Amoebic Gill Disease (AGD), weight grading and monitoring, vaccinations and feeding. Safe handling and welfare best practices for fish, knowledge of fish anatomy (salmon, trout and halibut).

Grants, Bursaries and Prizes

2016	Scurfield Memorial Bursary - £600
2016	Laverick-Hewitt-Webster Traveling Fellowship - £225
2016	Royal Society of Biology Travel Grant - £500

Professional Memberships

- Student affiliate AMRSB member of the Royal Society of Biology
- Student member of the British Ecological Society

Skills

Writing	Robust written communication skills covering varying styles and formats, including; scientific reports, literature review/dissertation, post- notes, “News and Views”, grant/bursary proposals and journalistic pieces.
Statistical software	Competent in the use of Microsoft Word, Excel, Powerpoint, minitab and Sigmaplot. Experience in data handling and plotting within R.
Fieldwork	Temperate: bird ringing, nest box searches and point counts Peak district, 2015-present. Tropical: bird ringing in Malaysian Borneo.
Science communication	Volunteer for the University of Sheffield Discovery Night, 2017. An outreach programme designed to educate and inspire children and young people about science. Interview for a documentary by Discovery Asia, 2016. Focusing on the need for tropical forest research and the difficulties and joys of working in the tropics.

Referees

Dr David P. Edwards

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