

Iain R. Moodie

EVOLUTIONARY BIOLOGY MASTERS STUDENT · UNIVERSITY OF MONTPELLIER

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Research

Enhancing Diversity to Overcome Resistance Evolution

University of Stirling, Scotland

UNDERGRADUATE HONOURS PROJECT

2019 - 2020

- Applied evolutionary thinking to the global issue of pesticide resistance by evaluating host-parasite interactions and the adaptive significance of infection-induced anorexia in an insect pest.
- Gained further experience in independently managing large scale experiments, entomology, insect rearing and horticulture.

Svensson Lab

Lund University, Sweden

RESEARCH INTERNSHIP

Summer 2018 & 2019

- Independently managed multiple mesocosms at Stenoffa Field Station studying the effects of predation and subsequent shifts in phenotypic distributions on sexual selection as well as quantifying the effect of species frequency on sexual conflict (using damselfly species).
- Collection of odonate species frequency data through community sampling and morphological data using photography in the field.
- Co-authored manuscript on sexual conflict as a promoter of species coexistence (see *Gomez-Llano et al 2021*).
- Was invited to return to continue research projects in 2019, and continue to collaborate with the lab.

Cromarty Firth Fishery Trust

Highland, Scotland

RESEARCH ASSISTANT

Summer 2014 & 2015

- Monitoring of Salmonid, Invertebrate and Plant communities through radio tagging, electro-fishing, kick sampling, habitat surveys and GPS mapping.
- Removal and management of invasive American mink and establishment of a community citizen science program.
- Data collection for project subsequently published in *Molecular Ecology*.

Education

University of Montpellier | Uppsala University

France & Sweden

ERASMUS MUNDUS MASTERS PROGRAMME IN EVOLUTION (MEME)

Sept. 2020 - Current

- Currently in France, taking classes in Advanced Population Genetics, Modelling in Ecology and Evolution, Genetic Data Analysis, Statistics, Evolutionary Applications and Hot Topics in Ecology.
- Will begin a three month research project in April studying the evolution of the temperature niche with a selection experiment using protists.
- Last semester in Uppsala, took classes in Population Genetics, Quantitative Genetics, Coalescent Theory, Speciation, Phylogenetics, Palaeontology, Comparative Methods, Ancient DNA & Human Evolution and Bioinformatics.

University of Stirling

Stirling, Scotland

BSc (HONS) ANIMAL BIOLOGY

Sept. 2016 - June 2020

- Graduated with First-Class Honours as a very capable biologist, with a broad knowledge of the field and a strong set of skills.
- Took a wide variety of courses across Ecology, Evolution, Statistics (with R), GIS, Practical Skills (Lab and Field), Taxonomy and Biodiversity, Ecosystem Function, Cell Biology and Physiology.
- Spent an Erasmus+ exchange semester at Gothenburg University studying Behavioural Biology and Stream Ecology & Fish Conservation, as well as attaining Swedish language A2.

Dingwall Academy

Highland, Scotland

SECONDARY EDUCATION

Aug. 2010 - June 2016

Skills, Positions and Achievements

Programming	Proficient in programming (primary language: R, secondary: Python) and related systems (UNIX, Git, \LaTeX).
Data handling	Skilled in Rstudio, ArcGIS/QGIS, ImageJ, Bioinformatics pipeline, Databases. Overall high technical competency.
Languages	English (native), British Sign Language (SCQF 3), Swedish (A2), French (basic), German (basic).
Positions	Stirling Sub-Aqua: <i>President</i> , Dingwall Sub-Aqua: <i>Committee chair</i> , Multiple: <i>SCUBA Instructor (theory and practical)</i> .
Scholarships	EMJMD Erasmus+ Scholarship (MEME 2020-2022)
Grants	Successful Grant Applications: <i>YoungStart</i> , <i>U. Stirling Chancellors Fund</i> , <i>U. Stirling Development Fund</i> , SCUBA club related.
Other	John Muir Discovery Award (Tree Planting), Industry mentorship scheme at Malcom Hollis LLP (ecological consultancy).

References

References are available upon request.