Francis (Sid) Dougan
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Educational Qualifications: Grade:

(2023 - *Present*)
Ph.D. in Individual Differences and Evolutionary Psychology
The University of Texas at Austin (USA)
Supervisor: Dr David M Buss

2013 - 2017
MSci in Zoology (Combined BSc/MSc) — *2:1 (Second Class Honours: First Division)*
The University of Bristol (UK) — *(Total Grades/Credits Equivalent to GPA of 3.5)*
Tutor: Dr Mark Viney
Supervisors: Dr Richard Wall (4th year)
Dr Ulrike Bauer (3rd year)
Dr Marc Holderied & Dr Martin Genner (2nd year)

2012 - 2013 Access Course in Biology and Chemistry — *Of the available 60 credits - 48 graded Distinction and 12 graded Merit*
Somerset College of Art and Technology (UK)

2012 - 2012 Preparation for HE Science — *Distinction*
Exeter College (UK)

2009 - 2011 National Diploma in Music — *Triple Distinction**
Bridgwater College (UK)

2008 - 2009 First Diploma in Music — *Distinction**
Bridgwater College (UK)

BSc/MSc Research Experience:

2013 - 2017 - During my 4-year Zoology MSci degree I received training in experimental design, data collection, and statistical analysis using both R and SPSS. I completed modules such as evolutionary biology, life-history strategies, behavioural ecology, mammalian ecology, quantitative methods, and many other relevant modules. I designed and conducted independent research projects in the laboratory and the field. I wrote numerous assessed scientific reports and essays, including two extensive literature reviews titled "The Evolution of Parasitism in Nematoda" (supervised by Professor Mark Viney), and "Allometry and Scaling Relationships in Arthropods" (supervised by Professor Richard Wall). I also presented research via oral presentations, and chaired several scientific conferences.

2017 – MSci 4th year laboratory research project titled "Development and Phenotypic Plasticity in the Blowfly *Lucilia sericata*" at the University of Bristol Parasitology Lab (supervised by Professor Richard Wall).
It had previously been shown that under crowded conditions *L. sericata* larvae exhibit adaptive phenotypic plasticity and emerge as smaller adults than is typical. I was interested in further investigating the effects of this phenotypic plasticity on larval development. Specifically, I wanted to establish the minimal viable weight for *L. sericata*, the effects size has on development, survival, and reproduction, and how these effects differed between males and females. The project required rearing and maintaining several lineages of blowflies in the laboratory, handling live insects, dissections, microscopy, and statistical analysis.

2015 - 2016 – MSci 3rd year laboratory research project titled "Foraging Behaviour in a *Camponotus* Ant Colony: Interactions with a Pitcher Plant" at the University of Bristol Sensory Biology Lab (supervised by Dr Ulrike Bauer).
This was an exploratory project in which I investigated the behaviour of a polymorphic *Camponotus* ant colony when foraging for nectar on a *Nepenthes rafflesiana* pitcher plant. I was curious to establish whether there was division of labour and specialisation

between ants of different sizes, and whether the ants would preferentially forage from pitchers of specific sizes and/or ages. The project required rearing and maintaining a colony of *Camponotus* ants in the laboratory, designing and conducting behavioural experiments, and analysing nectar-sucrose compositions. I was also responsible for the care of a highly valuable *N. rafflesiana* pitcher plant that was on loan to the university.

2015 – MSci 2nd year field research project titled "Ultrasound Startle-Responses in Neotropical Invertebrates" at La Selva Biological station, Costa Rica (supervised by Professor Marc Holderied).
Echolocation hearing and adaptive ultrasound acoustic startle responses (ASRs) had been studied extensively within orders such as Lepidoptera, but, comparatively, ASRs in other orders were not well known. Due to the wide range of invertebrates that bats prey upon, I hypothesised that natural selection would have favoured the evolution of ASRs in many more species and orders than had been documented, and I was interested to examine the prevalence of ASRs among a wide range of neotropical invertebrates. The project required conducting behavioural experiments in harsh/hazardous conditions in the rainforest, safely and humanely catching and handling potentially dangerous insects, spiders, and bats, and using computer programs for analysing bat echolocation calls.

Publications

Dougan, F. S. (2025). There are only two sexes and there can never be more. *Archives of Sexual Behavior*. Advance online publication. https://doi.org/10.1007/s10508-025-03311-2

Academic Teaching Experience:

- **2025** – Teaching Assistant for Dr Amy Howard's ***Behavioral Neuroscience*** course.
- **2024 - 2025** – Lecturer/Lab Instructor for ***Psychological Methods and Statistics: Advanced Data Analysis and Methods***. The University of Texas at Austin
- **2024** – Teaching Assistant for Dr Audre Duarte's ***Psychology and Neuroscience of Sleep*** course. The University of Texas at Austin
- **2023** – Teaching Assistant for Dr Elliot Tucker-Drob's ***Individual Differences*** course. The University of Texas at Austin

Guest Lectures

- **2025 (Fall)** – "Problems of Kinship and The Evolution of Altruism". Guest lecture for Dr. David Buss's ***Evolutionary Psychology*** course. The University of Texas at Austin
- **2025 (Spring)** – "Problems of Kinship and The Evolution of Altruism". Guest lecture for Dr. David Buss's ***Evolutionary Psychology*** course. The University of Texas at Austin

Conference Presentations and Posters

- Hahnel-Peeters, R. K., **Dougan, F. S.,** Baca, P., Costello, W., Schmitt, D. P., & Buss, D. M. (2025, June 9). Cross-sex mind-reading: The costs of sexual violence and self-perceived mate value. [Conference Presentation]. Northeastern Evolutionary Psychology Society 2025 Annual Meeting, Atlantic City, NJ, USA. (*Presented by Hahnel-Peeters, R. K.*)

- **Dougan, F. S.**, Metcalfe, K. B., & Meston, C. M. (2025, June 4 – 7). Who Engages in Duty Sex? - Infidelity Concerns and Mate Value Discrepancies. [Conference Presentation]. Human Behavior & Evolution Society 2025 Annual Meeting, Atlantic City, NJ, USA.

- **Dougan, F. S.**, Metcalfe, K. B., Macias, K., & Meston, C. M. (2025, Feb 27 – March 2). Infidelity Fears and Mate Value Discrepancies: Predictors of Engagement in "Duty Sex". [Conference Poster Presentation]. International Society for the Study of Women's Sexual Health 2025 Annual Meeting. (*Presented by Metcalfe, K. B.*)

Honours and Awards

- **2025** – **Karl Dallenbach Summer Research Fellowship ($240)**
  The University of Texas at Austin
- **2025** – **College of Liberal Arts Summer Fellowship ($9000)**
  The University of Texas at Austin
- **2024** – **Best Hypothesis Award: Evolutionary Psychology Graduate Seminar (*2nd place*)**
  The University of Texas at Austin
- **2024** – **College of Liberal Arts Summer Fellowship ($9000)**
  The University of Texas at Austin
- **2017** – **Best Poster Award – *"Development and Phenotypic Plasticity in the Blowfly Lucilia sericata"***
  The University of Bristol
- **2016** – **Top Literature Review Grade Within Year Group – *"Allometry and Scaling Relationships in Arthropods"***
  The University of Bristol
- **2016** – **Best Presentation Award – *"Evolutionary Ecology: Ecological Speciation in Orcinus orca"***
  The University of Bristol
- **2015** – **Top Field Research and Report Grade Within Year Group - *"Ultrasound Startle-Responses in Neotropical Invertebrates"***
  The University of Bristol
- **2014** – **Top Essay Grade Within Year Group – *"An Evaluation of the Hypotheses for the Origin of Life"***
  The University of Bristol
- **2014** – **Best Presentation Award – *"The Large Blue Butterfly (Phengaris arion): Biology, Ecology, and Conservation"***
  The University of Bristol

Departmental and University Service – The University of Texas at Austin

- **2025** – **Summer Undergraduate Research Experience (SURE)**
  Reviewer for program applicants

Journal Refereeing Experience

- Evolution and Human Behavior
- Personality and Individual Differences
- Human Nature
- Theory and Society

Professional Affiliations

- Human Behavior and Evolution Society

Employment:

(2023 - *Present*) - Teaching Assistant at The University of Texas at Austin, Department of Psychology.
Organising and running lab sessions.
Managing of class information, notes, and grades, on Canvas.
Grading coursework and exams, providing individual feedback to students.
General tuition for undergrad students.

2019-2023 - Research & Development Laboratory Technician at KDC-ONE/Swallowfield Cosmetics, UK.
Developing new cosmetic products and testing new aerosol technologies.
Performing quality control experiments on newly developed products and conducting user trial studies. Conducting market and regulatory research and presenting new products to external companies.

2019-2023 - Muay Thai Instructor at Ascent Combat Sports, UK.
Ensuring students are safe at all times.
Liaising with potential new students, providing information and addressing queries.
Planning and conducting lessons and one-to-one training, and cornering fighters in competition.
Serving as lead coach and cornerman for student fighters during competition.

Hobbies and Interests:

My hobbies include Muay Thai (Thai-Boxing) and MMA (mixed martial arts), camping and outdoor adventuring, and playing guitar and piano. I enjoy reading, and discussing/debating history and politics. I also photograph animals (particularly invertebrate species), and I rear ant colonies, spiders, and praying mantises at home.