

Education

PhD in Cryoconservation

Ongoing: Started Jan 2023 at Nottingham Trent University

This PhD is funded by Chester Zoo and Nottingham Trent University. As part of my studies, I am investigating the sampling priorities reported by biobanks worldwide, and identifying the challenges associated with current cryoconservation strategies. I will also be using simulation software to identify the potential impact of cryoconservation if samples are implemented into animal breeding programmes.

Master of Science Degree in Wild Animal Biology

Awarded in 2015 by the Royal Veterinary College

This course covered a variety of topics, ranging from wildlife disease to captive animal management, & gave me the opportunity to develop skills with a wide-range of taxa. For this MSc I conducted a research project on animal social networks, which required high standards of time-management & personal organisation skills, & understanding of animal behaviour. I also presented my MSc thesis at the BIAZA research conference in Dublin, in 2015.

BSc (Hons) in Animal Management, First class honours

Awarded in 2014 by Sparsholt College

The course combined practical animal experience with academic research on a range of topics including nutrition, taxonomy, health & welfare, parasitology & conservation biology.

Employment

HE Lecturer & course leader in Zoo Biology- University Centre Sparsholt

August 2017 to current

I prepare & present lectures on a range of courses, including Conservation Biology, Animal Management & Population Biology. I act as course manager for level 6 BSc Zoo Biology students, & as part of the role supervise a range of dissertation & MSc thesis projects, many of which are conducted within zoos. My specialist modules include Conservation Biology, covering the genetics of endangered species both in & ex situ, & also Zoo History & Culture. I am involved with development of the BSc Zoo Biology course & enrolling students for new academic years.

I have also recently been involved with the development of our new FdSc in Applied Zoo Science, & have taken part in the construction of new modules for the course & the validation process. I have some experience in External Examining (EE), & have acted as an EE for Hadlow College's FdSc in Zoo Management in 2018, as an External Reader for Warwickshire College's Animal & Veterinary courses in 2019, & most recently as External Reader for several new FdSc Animal courses at University Centre Askham Bryan in 2020.

HE Lecturer in Animal Management- Reaseheath College

November 2015 to August 2017

I prepare & present lectures on a range of courses, including Zoo management, Animal Behaviour & Welfare, & Equine. I deliver a range of modules, including Animal Nutrition, Zoos & Conservation, Research methods, Applied Biochemistry & Practical Handling. As a module leader, I plan & prepare exams & lectures, mark assignments & provide feedback for students. From September 2016 I managed the Zoo management FdSc, & supervised dissertation projects.

Shift Supervisor- Starbucks Coffee Company

September 2010 to September 2015

Experience as a shift supervisor at Starbucks involved supervising a team of people.

Event Ambassador- ZSL London Zoo

May 2015 to July 2015

Working at the ZSL *Sunset Safari* events involved communication with keepers, presenters, security & the general public, in a fast-paced atmosphere.

James Brereton MSc, BSc (Hons), AET, CET, FHEA

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Experience

Typesetter – Journal of Zoo and Aquarium Research

April 2019 to current

I act as the typesetter for all papers accepted by the journals. I correspond with the editor and copyeditor to prepare manuscripts for publication, and correspond with authors to ensure consistency in the publication standards.

Chair – BIAZA Native Species Working Group

Oct 2020 to Oct 2023

I act as the Chair for the group. Responsibilities include preparation of conferences and structuring of meetings. We are currently developing a Biodiversity sampling event to be rolled out to all zoos in Summer 2022.

Volunteer Keeper- ZSL London Zoo

July 2014 to July 2015

Worked with a variety of taxon at both collections, ranging from the critically Endangered Frigate island beetle to the giant anteater. During shifts, I conducted daily husbandry, filtration maintenance & observed veterinary procedures.

Volunteer Keeper- Beale Wildlife Park & Gardens

March 2013 to October 2015

Experiences include working with a wide range of species, & getting involved in routine health checks such as hoof clipping & training. I was given responsibility of a park section, helped to set up new enclosures, & aided research for new acquisitions while developing skills with ZIMS & the BIAZA surplus stock list.

Recent Publications

I have published over 30 academic papers in over 17 journals. A record of my papers can be found at Google Scholar (<https://scholar.google.co.uk/citations?user=8PrDdw4AAAAJ&hl=en&oi=sra>)

Oct 2021 'Directions in Zoo Animal Foot Presentation Science' published by Journal of Zoological and Botanical Gardens

Jan 2022 'A simulated comparison of behavioural observation sampling methods' published by Scientific Reports

Feb 2022 'Investigating the Behavior and Personality Structure of the Aldabra Tortoise during Human Interactions and Training Events' published by Animals

James Brereton

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Membership & Certificates

Advance HE External Examiner Training	Passed Dec 2019
Fellowship of the Higher Education Academy	Awarded Dec 2018
Certificate in Education & Training (AET)	Awarded Jul 2017
Award in Education & Training (AET)	Awarded May 2016
Full UK Driving License (DVLA)	Passed September 2011
Essential First Aid (St. John's Ambulance)	Awarded June 2015
Professional Member of ABWAK	January 2012 to present
Fellow of the Zoological Society of London	December 2011 to present
Associate of ASAB	September 2015 to present