

## Research News November 2015-October 2016

### Annual Report Information

Between November 2015 and October 2016, **31 projects have commenced at Colchester Zoo**. These are either solely based at Colchester Zoo or are multi-zoo studies. This list is by no means extensive, as Colchester Zoo has also contributed to a large number of projects by replying to information requests or by completing questionnaires.

**Author:** Ellen Williams **Title:** An Investigation into Social Relationships and Social Structure in European Zoo Elephant Herds **Establishment:** Nottingham Trent University PhD

**Author:** Beth Freeman **Title:** Evaluating the Learning of Zoo Visitors from Public Presentations in Colchester Zoo **Establishment:** Writtle College MSc

**Author:** Rosie Brigham **Title:** Do Public Perceptions of Birds Change After Educational Flying Displays at Colchester Zoo? **Establishment:** Nottingham Trent University BSc

**Author:** Victoria Dansey-Dunston **Title:** Novel Enrichment for Giant Anteater (*Myrmecophaga tridactyla*) **Establishment:** Writtle College BSc

**Author:** Hayley Parrett **Title:** An Investigation into the Effects of Visitor Numbers on the Behaviour of Pygmy Goats (*Capra hircus*) Housed in a Walkthrough Exhibit **Establishment:** Writtle College BSc

**Author:** Emma Rogers **Title:** Late Night Behavioural Assessments of Meerkats **Establishment:** University of Gloucestershire BSc

**Author:** Hannah Mumby and colleagues **Title:** Listening to Elephants: Visualising Between and Within Individual Variation in Elephant Vocalisations **Establishment:** University of Cambridge Post Doc

**Author:** Caroline Howlett **Title:** Expression of the 2D:4D Digit Ratio Across the Primate Order **Establishment:** University of Kent PhD

**Author:** Kelly Shanahan **Title:** The Development of Food Based Enrichment for Yellow Breasted Capuchins (*Cebus xanthosternos*) at Colchester Zoo **Establishment:** Writtle College BSc

**Author:** Chelsey Grice **Title:** Investigation of the Social Behaviour and Bonds Formed in Captive Reared *Giraffa camelopardalis reticulata* **Establishment:** Writtle College BSc

**Author:** Daniel Pelling **Title:** Welfare Assessment of a Crash of Southern White Rhinoceros (*Ceratotherium simum simum*), Housed at Colchester Zoo with emphasis on a Young Male who Lost its Mother. **Establishment:** Writtle College BSc

**Author:** Aisha Javed **Title:** Zoo as an Attraction: Visitors Motivation and Perception **Establishment:** University of Westminster BA

**Author:** Kerry Herman **Title:** Most Popular Area Survey for Location of Zoo WOW stations **Establishment:** Writtle College L3 and Zoo Volunteer

**Author:** Catie Williams **Title:** Evolution of the Primate Gut Microbiota: A Comparative Analysis of the Hind Gut Microbiome in Captive and Free-Living Primates using High Throughput 16S rDNA Sequencing **Establishment:** UCL PhD

**Author:** Aman Muttu **Title:** Welfare in Captive Sun Bears at Two Zoological Establishments; A Study into Feeding Enrichment, Public Encounters and Conspecific Relationships  
**Establishment:** Glasgow University MSc

**Author:** Samantha Shaw **Title:** Enclosure Design and Space Utilisation on Captive Malayan Sun Bears (*Helarctos malayanus*) in UK Zoos **Establishment:** University of Chester BSc

**Author:** Joy Wilding **Title:** Angry birds? Aggression and enclosure use of the Village Weaver (Congo) (*Ploceus cucullatus bohndorffi*) at Colchester Zoo **Establishment:** Easton and Otley College BSc

**Author:** Emma Langfield **Title:** A Study into the Effects of Visitor Numbers on the Behaviour of Pygmy Goats (*Capra hircus*) Housed in a Walkthrough Exhibit **Establishment:** Anglia Ruskin University BSc

**Author:** Sami Griggs **Title:** The Effect of Group Dynamic Changes within a Captive White Rhinoceros Group **Establishment:** Easton and Otley College BSc

**Author:** Ben Cook **Title:** Naturalistic Behaviour Within an Unnaturalistic Group of Captive Meerkats (*Suricata Suricata*) At Colchester Zoo **Establishment:** Easton and Otley College BSc

**Author:** Laura Baylis **Title:** Psychology Research Project, Volunteer and Staff Empathy  
**Establishment:** Colchester Institute Access to Higher Education: Health Professions

**Author:** Alex Harcourt **Title:** An Examination of Self-Injurious Behaviour Triggers in a Captive Gelada (*Theropithecus gelada*) **Establishment:** Bangor University BSc

**Author:** Alexandra Ferguson **Title:** The Increased Presence and Activity of American Mink (*Neovison vison*) in an Area Inhabited by Water Voles (*Arvicola amphibious*) in Direct Comparison to an Area of Equal Ecological Value without a Resident Population of Water Voles **Establishment:** Liverpool John Moores University BSc

**Author:** Christian Schiffman **Title:** Body Condition Scores in European Zoo Elephants (*Elephas maximus* & *Loxodonta africana*) – a Cross-Sectional and Longitudinal Evaluation Regarding Status quo, Historical Development and Influencing Factors **Establishment:** University of Zurich Doctoral Student

**Author:** Katherine Rock **Title:** Investigating the Behaviour of Social Species Housed Within an African Savannah Mixed-Species Exhibit **Establishment:** University of Reading BSc

**Author:** Elaine McCormack **Title:** A Study of the Current Diets and Behaviour of Captive Blue and Gold Macaws (*Ara ararauna*) in UK Zoo Collections **Establishment:** Sparsholt College BSc

**Author:** Roseanna Barclay **Title:** An Investigation into Social Interactions and Enclosure Use of Three Lemur Species in a Walkthrough Mixed Species Enclosure **Establishment:** Writtle College MSc

**Author:** Penny Morris **Title:** Behavioural and Social Interactions and Enclosure Use between Individuals in Primate Mixed Species Exhibits **Establishment:** Anglia Ruskin University BSc

**Author:** Ryan Jewell **Title:** Big Cats and their Conservation **Establishment:** University of Sussex MA

**Author:** Alex Forecast **Title:** Evaluation of Southern White Rhinoceros (*Ceratotherium simum simum*) Social Interactions in a Mixed Species Exhibit - Introduction of a New White Rhinoceros  
**Establishment:** Nottingham Trent University BSc

**Author:** Samantha Cohen **Title:** A Comparison between the Diets of Captive and Wild Giraffe (*Giraffa camelopardalis*) **Establishment:** Sparsholt College BSc