Day 1  24th April 2017

Meet the scientists, Chester Zoo

Invited speakers and selected PhD students.

10:00  Meet and Greet at Chester Zoo main entrance

Science at Chester Zoo: Our six specialisms
Sue Walker

10:10  Elephant enclosure
Quantifying Captive Elephant Bonds
Rutuendo Wazara
Fences for conservation: Physiological and ecological effects of confinement on forest elephants
Jacqui Morrison

10:40  Black Rhino enclosure
Can conservation physiology improve the population management of Eastern black rhinos?
Nick Harvey

11:00  Painted dog enclosure
Proximate mediators of competitive behaviour in cooperatively breeding mammals
Rhiannon Bolton

11:20  Zebra enclosure
Ecology, physiology and behaviour in equids: identifying markers for individual status and population health
Jess Lea

11:40  Tiger enclosure
Assessing the practical interventions of reducing human-large felid conflicts in Nepal
Amy Fitzmaurice

12:00  Orang-utan enclosure
Veterinary science and orang-utan health
Steve Unwin
12:20  Bongo enclosure  
**Conservation genetics of the Mountain Bongo**  
Tommy Sandri

12:40  Jungle party den  
**Chester Zoo’s Sustainable Palm Oil Challenge**  
Cat Barton

13:00  Lunch, Jungle party den

14:00  Jaguar party den  
**Wildlife on the zoo site**  
Sarah Bird  
**Back from the brink: The Pine Marten Recovery Project in Wales**  
David Bavin

14:30  Greenhouses  
**Orchid-fungal interactions: propagating orchids for conservation**  
Oliver Hughes

14:50  Dragons in Danger  
**Keeping fit for the ark: Are zoo bred reptiles and amphibians ready to go back to the wild?**  
Luiza Passos  
**Thermoregulation in Komodo dragons**  
Ryan Boyle

15:20  Giraffe house  
**How does the zoo soundscape affect the zoo experience for animals and visitors?**  
Marina Bonde de Queroz

15:40  One-horned rhino enclosure  
**Scent communication in the Eastern black rhino**  
Becky Titchard  
**Developing livelihoods diversification for communities suffering from Human Wildlife Conflict**  
Valerie de Liedkerke  
**Measuring conservation impact**  
Andy Moss
Day 2  25th April 2017
Scientific program, Queens Hotel Chester

08:15  Registration Opens / Coffee and Tea

08:45  Opening Address
Simon Dowell, Chester Zoo Science Director

09:00  Opening Plenary: Using science to inform conservation strategy and policy
Tom Brooks, Head of Science and Knowledge, IUCN

09:50  Accepted talk 1: The challenge of interpreting census data: How reliable is the information obtained?
Kristine Meise

10:05  Accepted talk 2: Are we collecting the right data for conservation? The case of endemic forest birds in a biodiversity hotspot
Eleanor Devenish-Nelson

10:20  Tea and Coffee/ Posters

10:50  Species responses to environmental change
Professor Jane Hill, Department of Biology, University of York, UK

11:35  Accepted talk 3: Predicted Quaternary Range Shifts and Interactions of the lion (Panthera leo) and tiger (Panthera tigris)
David Cooper

11:50  Accepted talk 4: The impact of climate change on small-ranged species: a case study on African antelopes
Jakob Bro-Jørgensen

12:05  Lunch

13:05  Effective applied conservation Science: examples and responsibility
Professor Graham Kerley, Director of ACE, Nelson Mandela Metropolitan University

13:50  Accepted talk 5: The impact of management on common dormouse conservation in the UK: lessons from 25 years of monitoring data
W. Edwin Harris
14:05  Accepted talk 6: Fire in African savannahs, our ability to manage it and the implications for conservation  
James Probert

14:20  Tea and Coffee/Posters

14:50  Connecting people and conservation  
Rebecca Jefferson, Royal Society for the Protection of Birds (RSPB), UK

15:35  Accepted talk 7: A pan-neotropical analysis of hunting preferences  
Ciara Stafford

15:50  Accepted talk 8: Java’s huge domestic bird trade and the emerging Asian songbird crisis  
Stuart Marsden

16:05  Conservation role of zoo’s in conservation science and population management  
Sue Walker, Head of Applied Science, Chester Zoo

16:35  Closing remarks TBD

18:00  Evening Poster, Drinks and Dinner session - Queens Hotel Chester

Day 3  26th April 2017
Scientific program, Queens Hotel Chester

08:30  Tea and Coffee

09:00  Opening Plenary: The One Plan Approach to conservation  
Onnie Byers, IUCN Conservation and Breeding Specialist Group

09:45  Accepted talk 9: Co-viability in the conservation of large parrots: applying bio-economic modelling to single species management  
Tamora James

10:00  Accepted talk 10: Are captive Golden Mantella frogs (Mantella aurantica) fit to be wild? How captivity is affecting individuals’ survival skills  
Luiza Passos

10:20  Tea and Coffee/ Posters
Challenges associated with the conservation of small populations
Professor Jim Groombridge, DICE, University of Kent, UK

Accepted talk 11: One fin too many; using genetic barcoding to identify illegal shark and ray (elasmobranchii) fishing in Morocco
Samantha A Hook

Accepted talk 12: Understanding Squirrel Biodiversity in Southeast Asia to Inform Conservation Strategy
Catherine Walton

Integrating Science in to Project and Programme Management
Nick Salafsky, Foundations of Success (FOS)

Lunch

Using macroecology to inform conservation
Susanne Shultz, Department of Earth and Environmental Sciences, University of Manchester

Accepted talk 13: The impact of shifting cultivation on carbon stocks in North-east India
Joli Borah

Accepted talk 14: Using serum biomarkers to assess the health and well-being of African and Asian elephants
Katie L. Edwards

Tea and Coffee/Posters

Ecosystem health, animal movement and genetics in east African ecosystems: the value of integrating approaches to conservation
Professor Barbara Mable, Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow

Panel Discussion

Closing remarks
Susanne Shultz, Department of Earth and Environmental Sciences, University of Manchester, UK
Day 4  
27th April 2017

Conservation careers workshop, Chester Zoo

Selected PhD students.