

SWFS2017 – Scientific sessions

TUESDAY 6TH JUNE		
13:45 - 15:30	Theme: Global Wildlife DNA Forensic Science Chair: Rob Ogden	
13:45	Opening address	
14:00	Plenary – Rebecca Johnson	
14:30	The need of wildlife forensics in China	Yan Chun Xu
14:45	Introduction of wildlife forensic cases and problem points of wildlife forensics in Japan	Manabu Onuma
15:00	Non-expert user, field-based, DNA technology in Wildlife Forensic Applications: Part I – How close are we?	Alice Masters
15:15 - 15:30	Flash talks (3 mins each)	
	Establishment of the Non-Indigenous Animal Biobank of New South Wales, Australia	Greta J. Frankham
	Rural Crime in the UK: What works to prevent crime against species?	Dorothea Delpech
	Improved detection and visualisation of human involvement in wildlife crime	Helen McMorris
	Keeping wildlife professionals safe: A first responder's resource on avian mortalities	Ildiko Szabo
15:30 - 16:00	Afternoon Tea	
	Theme: Global Wildlife DNA Forensic Science Chair: Kathy Moore	
16:00 - 17:30	Wildlife forensic genetics in Israel: Expanding capacities and networks	Gila Kahila Bar-Gal
	The evolution of wildlife forensics	Ken Goddard
	Walking the line between “human” and “wildlife”	Christina Lindquist
	The status of wildlife crime forensic investigations in South Africa	Monica Mwale
	The African Wildlife Forensics Network Project - Aims, Progress and Future Option	Stephanie Pietsch
17:15 - 17:30	Flash talks (3 mins each)	
	Developing wildlife forensic capacity in Namibia	Paul Ludik
	Wildlife conservation in Zambia: a DNA forensic approach	Herman Chambaro
	A review of wildlife forensic work from Malaysia	Frankie Thomas (Jeffrine Japning)
	Introduction to South Korea National Institute of Biological Resources (NIBR) and DNA barcoding for investigating wild species	Jumin Jun, South Korea
17:30 - 18:30	Business Meeting	
18:30 - 20:00	Tuesday evening poster session & Scottish tippie tasting John McIntyre Conference Centre	

THURSDAY 8TH JUNE

08:25-10:30	Theme: Traceability Chair: Adrian Linacre	
08:25	Opening Remarks	
08:30	Plenary – Stefan Ziegler	
09:00	Raising the stakes: Linking multiple large ivory seizures to the same dealer(s)	Samuel K Wasser
09:15	Using mitochondrial DNA to establish the provenance of African elephants and ivory	Alfred L Roca
09:30	Population identification of a protected North Pacific smelt using next generation sequencing	Piper Schwenke
09:45	<u>Bob Anderson Memorial Scholarship Winner</u> Use of a DNA profiling system for the genetic assignment of Hog Deer in Victoria	Erin Hill
10:00	Genetic assignment testing on tree species	Duncan Jardine
10:15 - 10:30	Flash talks (3 mins each)	
	DNA-based forensic methods to tackle the illegal trade in threatened slow lorises in Indonesia	Christine Rattel
	DNA barcodes and microsatellites profiles for geographical and individual identification for Mesoamerican Scarlet Macaw	Noemí Matías-Ferrer
	The perplexity of the carpet python: Issues encountered when applying large numbers of highly polymorphic STRs to aid criminal investigations involving wildlife.	Sherryn Ciavaglia
	STRoe deer: A new multiplex PCR to genotype roe deer, developed according to the ISFG recommendations regarding the use of non-human DNA	Nadja V. Morf
10:30 - 11:00	Morning tea	
11:00 - 12:48	Theme: Timber and Data Chair: Kim Frazier	
11:00	Plenary – Ed Espinoza	
11:30	<u>Bob Anderson Memorial Scholarship Winner</u> Intraspecific source identification of western Oregon Douglas-fir wood cores using Mass Spectrometry and random forest classification	Kristen Finch
11:45	DNA Forensics in tropical forest trees: Case studies on verification of species and individuals from confiscated wood in Thailand	Suchitra Changtragoon
12:00	Data management for wildlife identification: Collection, validation, sharing, and archiving forensic data	Mary K. Burnham-Curtis
12:15	ROWIN: The first bioinformatic analysis pipeline developed for wildlife DNA forensics	James Creecy
12:30 - 12:48	Flash talks (3 mins each)	
	Fingermark development on leathers: Visualisation and species differentiation	Leisa Nichols-Drew
	Ageing wildlife: Radiocarbon dating of rhino horn and ivory in Australia	Stewart J. Fallon
	Novel DNA-based methods for elephant species identification from ivory and ivory products	Adrian Linacre
	The retrieval of fingerprint friction ridge detail and touch DNA from elephant ivory	David Cowdrey
	Clarifying the phylogeny and phylogeography of two commonly traded cockatoo species and the development of a wildlife forensic toolbox to identify illegal trade in these species	Kyle Ewart
12:48 - 13:45	Lunch	

THURSDAY 8TH JUNE

13:45 - 15:30	Theme: Applications & Techniques	
	Chair: Christina Lindquist	
13:45	Plenary – Guy Shorrock	
14:15	Development of forensically informative DNA markers for the short beaked echidna – their utility in pedigree testing and application in wildlife trade	Alexandra Summerell
14:30	A rapid chemical odour profiling method for the identification of illegal wildlife products	Maiken Ueland
14:45	Leveraging low cost sequencing for both database development and casework in wildlife forensics	Cynthia Lawley
15:00	Droplet digital PCR applications for wildlife forensics: A case study of accurate species ID in wolf/dog samples	Steve Smith
15:15	Developing and assessing DNA barcoding for identifying non-human biological material encountered in forensic casework	Kelly A Meiklejohn
15:30 - 16:00	Afternoon Tea	
16:00 - 17:30	Theme: Marine Forensic Science	
	Chair: Mary Burnham-Curtis	
16:00 - 16:15	Flash talks (3 mins each)	
	Improving the applicability and accuracy of eDNA metabarcoding for wildlife forensics	Jonas Bylemans
	Reference DNA databases for wildlife identification: Value for robust primer design and metabarcoding	Stephen Sarre
	Chemically-induced necrophagous foraging behaviour in the North American Honeybee (<i>Apis mellifera</i>): Implications for wildlife conservation and protection	Wayne D. Lord
	New approach using ddRAD technique to distinguish two closely related commercial species: Turbot and brill	Adrián Casanova
16:15	Exploring ddRAD data for differentiating mobulid species	Jane Hosegood
16:30	NOAA Forensics and shark fin seizures in the US	M Katherine Moore
16:45	Sampling triage and forensic identification of shark fins in global trade	Jenny Giles
17:00	Seafood labelling in the US: Old guidance, new rules and implications for forensics	Trey Knott
17:15	Non-expert user, field-based, DNA technology in Wildlife Forensic Applications: Part II - What the data says	Nick Dawnay
17:30	Closing Remarks from SWFS President	