

TUESDAY

AUGUST
30

ConsGen22

PENTLANDS (EAST/WEST)

08:45

ONT Workshop Registration

09:00

ONT Workshop

10:15

BREAK

10:45

ONT Workshop

12:00

LUNCH

Registration Opens

13:00

Welcome and housekeeping

13:20

PLENARY - COLLECTIONS

Rebecca Johnson

Smithsonian National Museum of Natural History, USA

Working as a wildlife detective from koalas to cockatoos - how museum collections illuminate dark data for conservation

COLLECTIONS

13:55

59 Rasmus Heller

Lessons, visions and challenges from 1000+ large African mammal genomes

14:10

19 J. Camilo Chacón-Duque

Museum specimens reveal the genomic impact of recent population decline on Andean bears

14:25

SPEED TALKS

92 Annika Mozer

Developing Multiplex SNPSTR Marker Sets For Endangered Species

10 Iva Bernáthová

Conservation genetics of pangolins in the Congo Republic

87 José Meléndez

Genetic and phenotypic comparison of populations resulting from translocations and natural colonizations

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PENTLANDS (EAST/WEST)

11 **Roberto Biello**

From conservation genetics to conservation genomics: the case of the endangered land tortoise Testudo hermanni

14:40

BREAK

15:10

SPEED TALKS

86 **René Meißner**

Characterization of selected toll-like receptor genes in cheetahs (Acinonyx jubatus) compared to the sympatric occurring leopard (Panthera pardus) and its implication for conservation

82 **Prachi Masih**

Genetic divergence in wild populations of Indian major carp, Cirrhinus mrigala (Hamilton, 1822) across India, an assessment from ATPase6/8 mitochondrial gene analysis

80 **Melissa M. Marr**

Conservation genomics of red squirrels in Scotland: understanding diversity in a key stronghold

6 **Haidi Arbanasić**

Is extensive MHC class II diversity in striped dolphin (Stenella coeruleoalba) in the Mediterranean Sea shaped by recent epizootics?

COLLECTIONS

15:25

45 **Brigida Gallone**

Fungarium collections in the genomic era: the Mycena genus

15:40

102 **Catarina J. Pinho**

Digging in a 120 years-old lunch: what can we learn from collection

SPEED TALKS

15:55

25 **Simone D'Alessandro**

Understanding marine connectivity of scallop populations within Scottish and adjacent waters to inform marine management

129 **Gabriel Ulrich**

Sampling historical DNA to assess the impact of habitat loss on genetic diversity in a peatland-specialist

4 **Louise Arathoon**

Investigating inbreeding depression in a long-term study of Antirrhinum majus

18 **Emily Cavill**

When birds of the same feather flock together: a story of inbreeding in an endangered island bird species

84 **Claire McFarlane**

DNA-based methods for monitoring the Irish Damselfly (Coenagrion lunulatum)

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16:10

BREAK

16:25

COLLECTIONS

98 Manabu Onuma

Establishing a viable cell culture banking network for endangered species conservation in Asia

16:40

65 Evelyn Jensen

Surprises in the museum and arguments in the literature: how many Galapagos giant tortoise species are there?

16:55

SPEED TALKS

43 Manuel Fonseca

DNA Metabarcoding Is Not Magic: A Case Study With The Critically Endangered Highland Woolly Monkey

68 Anubhab Khan

What can you learn from a fly? Biting insects as non-invasive samplers

17 Magdalena Butowska

*Novel Protocol for Diet Analysis of European Wildcat (*Felis silvestris*)*

138 Lucia Zanovello

Exploring human-amphibian cohabitation with conservation genetics and landscape planning tools

75 Olivier Lepais

Fast sequence-based microsatellite genotyping development workflow for any non-model species

17:10

PLENARY - COLLECTIONS

Camila Mazzoni

on behalf of the European Reference Genome Atlas (ERGA) Consortium
Berlin Center for Genomics in Biodiversity Research, Germany

Establishing the European Reference Genome Atlas (ERGA) of Biodiversity

PRESTONFIELD

17:45

Poster Session

until 19:45

WEDNESDAY

AUGUST
31

ConsGen22

PENTLANDS EAST

PENTLANDS WEST

09:00

Welcome back and housekeeping

09:05

PLENARY - APPLICATIONS

Magda Bou Dagher Kharrat

Saint Joseph University of Beirut, Lebanon/ European Forest Institute, Spain

Plant conservation: insights from the East Mediterranean experience

09:40

PLENARY - TECHNOLOGIES

Mrinalini Watsa

San Diego Zoo Wildlife Alliance, USA / Field Projects International

Biodiversity Monitoring in the Peruvian Amazon via the In Situ Lab Initiative

10:15

BREAK

TECHNOLOGIES

APPLICATIONS

10:45

40 Maria Joana Ferreira da Silva

The use of meta-barcoding tools to identify bushmeat consumed at bars in Guinea-Bissau, West Africa, and implications for non-human primates conservation

53 Stefanie Grosser

*Resolving the genomic architecture of hatching failure in the Hawaiian crow (*Corvus hawaiiensis*) to improve conservation management*

11:00

33 Marianne Dehasque

Temporal dynamics of genome erosion leading up to the extinction of the woolly mammoth

50 Marc-Alexander Gose

*Population genetics of an elusive marine predator, the Atlantic white-sided dolphin (*Lagenorhynchus acutus*), across the eastern North Atlantic*

11:15

77 Samantha López-Clinton

A field-friendly, low-cost genotyping approach for high and low quality DNA using the MinION portable sequencer

88 Ronald Vincent Melly

*Conservation genetics for the management of black rhinoceros (*Diceros bicornis michaeli*) in Tanzania*

11:30

20 F. Gözde Çilingir

Chromosome-level de novo genome assembly for the Aldabra giant tortoise enables insights into the genetic health of a threatened population

107 Mariana Ribeiro

*The value of captive wildlife in the conservation of species: Genetic diversity and admixture in the emblematic sable antelope (*Hippotragus niger*)*

11:45

76 Francesca Angela Lioce

Diet and trophic niche overlap in chamois, red deer and domestic sheep in the Italian Alps

37 Ettore Fedele

Portable genomic tools for gorilla population dynamics and conservation

WEDNESDAY

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PENTLANDS EAST

TECHNOLOGIES

46 Roberta Gargiulo
Estimates of effective population size in plants with complex life-history traits

131 Raquel Vasconcelos
Green matters: dietary reptile community assessment using DNA metabarcoding

12:00

12:15

12:30

LUNCH

Sponsor's talk - ONT and Basecamp

TECHNOLOGIES

122 Steve Smith
A creeping yet catastrophic threat: chytrid fungus presents a clear and present danger to amphibian populations in Europe and beyond

57 Heidi C. Hauffe
The role of microbial diversity in conservation: insights from ecosystem metataxonomics

13:30

13:45

APPLICATIONS

31 Michele De Noia
*Towards an in-situ non-lethal rapid test to accurately detect the presence of the nematode parasite, *Anguillicoloides crassus*, in European eel, *Anguilla anguilla**

90 Melissa Minter
Using ddRAD seq to infer historical population changes and current isolation in a cold-adapted butterfly

14:00

14:15

101 Patricia Pečnerová
Elephant task: Developing a genomic toolkit for research and conservation

14:30

PENTLANDS WEST

APPLICATIONS

85 Lydia McGill
*Genomic analysis of Flame Shells (*Limaria hians*) to inform nature conservation*

74 Deborah Leigh
Sympatry of genetically distinct puffins in the High Arctic

APPLICATIONS

81 Claudia Anne Martin
*Hybridization may aid genetic rescue across fragmented populations of an endangered East African passerine, *Zosterops silvanus**

71 Klaus-Peter Koepfli
*Rescued, diminished, but hopeful: Severe genetic erosion revealed by genomic analysis in the endangered black-footed ferret (*Mustela nigripes*)*

APPLICATIONS

1 Sabhrina Gita Aninta
Detecting purifying selection on endemic island ungulates and its implications for conservation

41 Aline Finger
*Putting genetic rescue to practice using the alpine blue-sowthistle (*Cicerbita alpina*) in Scotland*

116 Yu Sato
Conservation genomics of golden eagles on isolated populations of Scotland and Japan

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PENTLANDS EAST

PENTLANDS WEST

APPLICATIONS

123 Kasha Strickland

Susceptibility to a sexually transmitted disease in a wild koala population shows heritable genetic variance but no inbreeding depression

APPLICATIONS

91 Hernán E. Morales

Genomic diversity decline over time in avian endangered species

14:45

15:00

BREAK

APPLICATIONS

105 Orly Razgour

Applying genomic approaches to identify historic population declines in British bats

APPLICATIONS

63 Emily Humble

Uncovering the mysteries of manta rays using genomics

15:30

15:45

117 Tanja Schwanck

Using genomic tools to assess the efficacy of a Marine Protected Area designated to the critically endangered flapper skate

93 Annegret Moto Naito-Liederbach

Major histocompatibility complex genes and age are associated with reproduction of the endangered Japanese Golden Eagle in captivity

16:00

22 Karen Cox

Identifying landscape drivers of genetic variation of a pond-breeding amphibian on multiple spatial scales

49 José A. Godoy

The ongoing contribution of genomics to the conservation of the once most endangered felid: the Iberian lynx

16:15

121 Cornelia Simon-Nutbrown

Population genetics of Scottish maerl beds informing the need for targeted conservation management

29 Binia De Cahsan

*Road to extinction? Past and present population structure and genomic diversity in the koala (*Phascolarctos cinereus*)*

16:30

51 Rachel Gray

Investigating hybridisation between living and extinct Galapagos giant tortoises to inform a unique captive breeding programme

24 Love Dalén

Conservation genomics of the Scandinavian arctic fox

16:45

34 Kara Dicks

*Genetic diversity in global populations of the Critically Endangered addax (*Addax nasomaculatus*) and its implications for conservation*

110 Mathieu Robin

Conservation genetics in bottlenecked species: Insights from ancient genomes of the Alpine ibex

17:45

BUSES TO CONFERENCE DINNER & CEILIDH AT ROYAL BOTANIC GARDEN EDINBURGH

18:00 - LATE

THURSDAY

SEPTEMBER

1

ConsGen22

PENTLANDS EAST

PENTLANDS WEST

09:00

Welcome back and housekeeping

09:05

PLENARY - POLICY

Robert Ekblom

Swedish Environmental Protection Agency, Sweden

Genetic population monitoring of Scandinavian large carnivores

09:40

PLENARY - APPLICATIONS

Laura Bertola

University of Copenhagen, Denmark

Harnessing genomic resources for lion conservation

10:15

BREAK

10:45

POLICY

97 David O'Brien

Bringing together approaches to reporting on within species genetic diversity

11:00

100 Peter Pearman

Monitoring population genetic diversity for conservation in Europe: Current situation and outlook in view of climate change

11:15

42 Martin C. Fischer

Monitoring genetic diversity: a genomics-based pilot study for Switzerland

11:30

125 Rebecca Taylor

The evolutionary history of caribou: implications of high intraspecific diversity for conservation

11:45

124 Helen Taylor

Bridging the conservation genetics gap to improve conservation outcomes

12:00

47 Julia Geue

Genetic diversity and introgression in the Norway – Siberian Spruce Species Complex: implications in conifer management and conservation

APPLICATIONS

62 Jo Howard-McCombe

Whole genome sequencing dates the tipping point for genetic swamping of the critically endangered wildcat population of Scotland

95 Paola Nogales-Ascarrunz

Improving Jaguar conservation efforts through genomics

109 Heather Ritchie-Parker

Genetic analysis of beavers (Castor fiber) in England and considerations for reintroduction

89 Antti Miettinen

Following the trajectories of adaptive loci over time for conservation and management of Atlantic salmon

44 Maëva Gabrielli

Genomic variation and accumulation of deleterious mutations in the critically endangered Aeolian wall lizard

8 Alex Ball

Conservation genetics in the highlands; applications in Scotland and beyond

THURSDAY

SEPTEMBER

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ConsGen22

PENTLANDS EAST

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12:15

LUNCH

Sponsor's talk - Arbor Biosciences

POLICY

128 Samuel Turvey

Species diversity and conservation priorities for Cuban hutias: insights from modern and ancient DNA

56 Jeanette Hall

Applying the Gene Conservation Units concept to taxa other than trees

APPLICATIONS

133 Alina von Thaden

*Citizen science genomics guides conservation strategies of the rapidly declining garden dormouse (*Eliomys quercinus*)*

58 Sean Heighton

Genomic insights and resources to aide in pangolin conservation

114 Jordi Salmona

*The antique genetic plight of the Mediterranean monk seal (*Monachus monachus*)*

APPLICATIONS

52 Christine Grossen

Integrating ancient genomics and field-applicable protocols for sustained species conservation: the case of hybridization between Alpine ibex and domestic goat

21 Ivo Colmonero-Costeira

*The Western spot-nosed monkey (*Ceropithecus petaurista buettikoferi*) in Guinea-Bissau: combining genetic and social data to assess the conservation status and threats of the country's most unknown guenon*

APPLICATIONS

103 Victoria Pritchard

Parentage-based genetic tagging to monitor the success of conservation re-introductions

61 Karen Holm

*Improving ex situ conservation of the Endangered Red Siskin (*Spinus cucullatus*) through the use of genomic tools*

54 Catherine Grueber

Genomics and simulations to improve conservation breeding

13:15

13:30

13:45

14:00

14:15

14:30

15:00

15:35

16:30

BREAK

PLENARY - POLICY

Mike Bruford

Cardiff University, Wales

Honesty is the best policy: how genetic diversity has emerged from the shadows in conservation planning and what we all need to do to keep it in the spotlight

Closing session

BUSES TO EDINBURGH ZOO EVENING SOIRÉE

18:00 - 22:00