

MEETING PROGRAM

Wednesday, September 5

From 20.00 Registration and welcome dinner at Montana hotel

Thursday, September 6

7.30 Breakfast at hotel

8.30 Transfer to CEA in minibuses

9.00 Welcome address

Session 1: Recent theoretical and methodological developments: Invited presentations

9.15-10.00 **Eric Anderson**, NOAA FISHERIES SERVICE, SANTA CRUZ, USA
On the statistical power of single nucleotide polymorphisms for conservation-genetic applications

10.00-10.45 **Armando Caballero**, UNIVERSIDAD DE VIGO, SPAIN
Impact of homoplasmy of AFLP markers on the estimation of genetic diversity and the detection of selective loci

10.45-11.15 Coffee break

11.15-12.00 **Rasmus Nielsen**, UNIVERSITY OF COPENHAGEN, DENMARK
Estimating demographic parameters using composite likelihood methods

12.00-12.45 **Peter Beerli**, FLORIDA STATE UNIVERSITY, TALLAHASSEE, USA
Bayesian or Maximum Likelihood in gene flow inference?

12.45-13.30 **Oscar Gaggiotti**, UNIVERSITÉ J. FOURIER, GRENOBLE, FRANCE
Identifying the environmental factors that influence population processes using genetic and environmental data.

13.30 Lunch at CEA

Sessions 1-3: Participant presentations

15.00-15.15 **Thomas Broquet**, UNIVERSITY OF LAUSANNE, SWITZERLAND
Inferring landscape effects on dispersal from genetic data: how far can we go?

15.15-15.30 **Simone Sommer**, LEIBNIZ-INSTITUTE FOR ZOO- AND WILDLIFE RESEARCH, BERLIN, GERMANY
Genes and health: the role of immune gene variability (MHC) in conservation

15.30-15.45 **Catherine Walton**, UNIVERSITY OF MANCHESTER, UK
Cross-species patterns of genetic diversity in forest-dependent taxa in Southeast Asia: implications for conservation of forest biodiversity

15.45-16.00 **Gernot Segelbacher**, UNIVERSITY OF FREIBURG, GERMANY
Genetic diversity in grouse - what does it mean for conservation?

16.00-16.15 **Luis Manuel Enriquez-Paredes**, AUTONOMOUS UNIVERSITY OF BAJA CALIFORNIA, MEXICO
Reassessing pre-whaling stocks: genetics matches logbook records

16.15-16.30 **Jawad Abdelkrim**, UNIVERSITY OF CANTERBURY, NEW ZEALAND
Genetic tools and the management of invasive species: how can we improve eradication strategies?

16.30-17.00 Coffee break

17.00-18.00 **Poster session** (with authors present)

18.00-19.30 Free time (to look at posters, form discussion groups, etc.)

19.30 Dinner at CEA

from 21.00 **Practical software sessions:**
1. AULA MAGNA: **Oscar Gaggiotti**
2. MULTIPOLARE BUILDING: **Rasmus Nielsen**

from 22.30 Transfer to hotels in minibuses

Friday, September 7

7.30 Breakfast at hotel

8.30 Transfer to CEA in minibuses

Session 2: Experimental approaches to testing the theory: Invited presentations

9.00-9.45 **Craig Primmer**, UNIVERSITY OF TURKU, FINLAND
Hitch-hiking mapping for identifying functionally important genetic variation: examples in Atlantic salmon, *Salmo salar*

9.45-10.30 **Ilkka Hanski**, UNIVERSITY OF HELSINKI, FINLAND
Ecological and genetic processes of metapopulation extinction

10.30-11.00 Coffee break

11.00-11.45 **Josephine Pemberton**, UNIVERSITY OF EDINBURGH, UK
Conservation Genetics: perspectives from the wild

Session 3: Case studies: Invited presentations

11.45-12.30 **Rob DeSalle**, AMERICAN MUSEUM OF NATURAL HISTORY, NEW YORK, USA
The Role of DNA barcoding in conservation genetics

12.30-13.15 **Pierre Taberlet**, J. FOURIER UNIVERSITY, GRENOBLE, FRANCE
Non-invasive genetic sampling

13.15 Lunch at CEA

- 15.00-15.45 **Giorgio Bertorelle**, UNIVERSITY OF FERRARA, ITALY
The relative role of selection, demography and management on the genetic variation in the chamois
- 15.45-16.30 **A. Rus Hoelzel**, UNIVERSITY OF DURHAM, UK
Evolution of population structure in social cetaceans
- 16.30-17.15 **Karina Acevedo-Whitehouse**, INSTITUTE OF ZOOLOGY, LONDON, UK
Conservation genetics of marine mammals - an immunogenetic approach
- 17.15-17.45 Coffee break
- 17.45-19.30 Free time (to look at posters, form discussion groups, etc.)

19.30 Dinner at CEA

- 21.00 **Practical software sessions:**
1. AULA MAGNA: **Peter Beerli**
2. MULTIPOLARE BUILDING: **Eric Anderson**

from 22.30 Transfer to hotels in minibuses

Saturday, September 8

- 7.30 Breakfast at hotel
- 8.30 Transfer to CEA in minibuses

Session 3: Participant presentations

- 9.00-9.15 **Massimo Scandura**, UNIVERSITY OF SASSARI, ITALY
Genetic dissection and conservative management of Sardinian wild boars
- 9.15-9.30 **Kathryn Elmer**, UNIVERSITY OF KONSTANZ, GERMANY
Applying new approaches to assess intra- and inter-specific genetic diversity of an upper Amazonian frog
- 9.30-9.45 **Fulvio Maffucci**, ANTON DOHRN ZOOLOGICAL STATION, NAPLES, ITALY
Juvenile loggerhead turtles foraging in the Mediterranean Sea: regional variability in the contribution from the Atlantic rookeries
- 9.45-10.00 **Gabriele Gentile**, UNIVERSITY OF TOR VERGATA, ROME, ITALY
The diversification of land iguanas from the Galápagos Islands: a new form of iguana traces the origin of the modern Galápagos land iguanas
- 10.00-10.15 **Bradley Fedy**, UNIVERSITY OF MONTANA, MISSOULA, USA
An apparent paradox: high inbreeding in small populations does not result in strong population differentiation or low genetic diversity.
- 10.15-10.30 **Sacha Vignieri**, UNIVERSITY OF CALIFORNIA, SAN DIEGO, USA
Spatial genetic structure precipitates rapid bottleneck and founder effects in the patchily distributed Pacific jumping mouse

10.30-11.00	Coffee break
11.00-11.15	Jacqueline Bishop , UNIVERSITY OF STELLENBOSCH, SOUTH AFRICA The negative effects of fluctuating population size on N_e : past exploitation and the implications for current sustainable harvesting of the Nile crocodile
11.15-11.30	Iris Biebach , UNIVERSITY OF ZÜRICH, SWITZERLAND Genetic footprint of the reintroduction history of Alpine ibex
11.30-11.45	Paola Lara-Ruiz , FEDERAL UNIVERSITY OF MINAS GERAIS, BRAZIL Extreme genetic divergence between remnant wild populations of the Atlantic Forest endemic sloth (<i>Bradypus torquatus</i>)
11.45-12.00	José Godoy , DOÑANA BIOLOGICAL STATION, SEVILLE, SPAIN Iberian lynx conservation genetics
12.00-12.15	Luca Fumagalli , UNIVERSITY OF LAUSANNE, SWITZERLAND Loss of genetic diversity in historical European wolf (<i>Canis lupus</i>) populations
12.15-12.30	Uma Ramakrishnan , NATIONAL CENTRE FOR BIOLOGICAL SCIENCES, INDIA Indian tigers retain more than their share of genetic variation
12.30	Lunch at CEA

Session 4: Conservation genetics and conservation policy: Invited presentations

14.00-14.45	Luigi Boitani , UNIVERSITY OF ROMA "LA SAPIENZA", ITALY Detecting and managing hybridization: implications for conservation policy.
14.45-15.30	Guido Trivellini ERC ALPS PROGRAMME – WWF, ITALY The use of participatory tools in applied research and action planning: the experience of WWF ERC Alps programme
15.30-16.00	Coffee break
16.00-16.45	Michael Bruford , CARDIFF SCHOOL OF BIOSCIENCES, UK From data to policy: setting the agenda for research, management and legislation in conservation genetics in the UK
16.45-17.30	Craig Moritz , UNIVERSITY OF CALIFORNIA, BERKELEY, USA How can conservation genetics contribute to landscape conservation?
17.30	<i>Conclusions</i>
from 18.00	Workshop outing and social dinner

Sunday, September 9

8.00 Breakfast at hotel and departure

POSTERS

Poster session (with five minutes presentation for each poster)

Thursday, September 6th: 17.00-18.00

- 1 **Bradley Fedi**, UNIVERSITY OF MONTANA, MISSOULA, USA
Gene flow, dispersal patterns, and metapopulation dynamics of alpine Vancouver Island white-tailed ptarmigan inferred from microsatellite DNA markers and direct observations.
- 2 **Irene Del Cerro Márquez**, INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTÀRIES
Identification and characterization of novel single nucleotide polymorphisms for genetic studies in wild Eurasian badgers (*Meles meles*) populations
- 3 **Luis Manuel Enríquez-Paredes**, UNIVERSIDAD AUTÓNOMA DE BAJA CALIFORNIA, MEXICO
Molecular-based estimate of long-term effective population size in four sandpiper species: A tale on their demographic histories
- 4 **Luisa Garofalo**, UNIVERSITY TOR VERGATA, ROME, ITALY
High genetic diversity identifies a nesting population of *Caretta caretta* in continental Italy as a relevant Management Unit
- 5 **Stefano Mona**, UNIVERSITY OF FERRARA, FERRARA, ITALY
Evolutionary history of the genus *Sus* and implications for its conservation genetics
- 6 **Riccardo Negrini**, CATHOLIC UNIVERSITY OF SACRO CUORE
Post-glacial history of Arctic charr (*Salvelinus alpinus*) populations inferred by AFLP neutral markers and mtDNA analysis
- 7 **Juha-Pekka Vähä**, UNIVERSITY OF TURKU, FINLAND
Life-history and habitat features influence the within-river genetic structure of Atlantic salmon
- 8 **Ulo Väli**, UPPSALA UNIVERSITY, SWEDEN
Comparing and combining genome-wide developed single nucleotide markers and microsatellites for identification of hybrids between Greater and Lesser Spotted Eagles