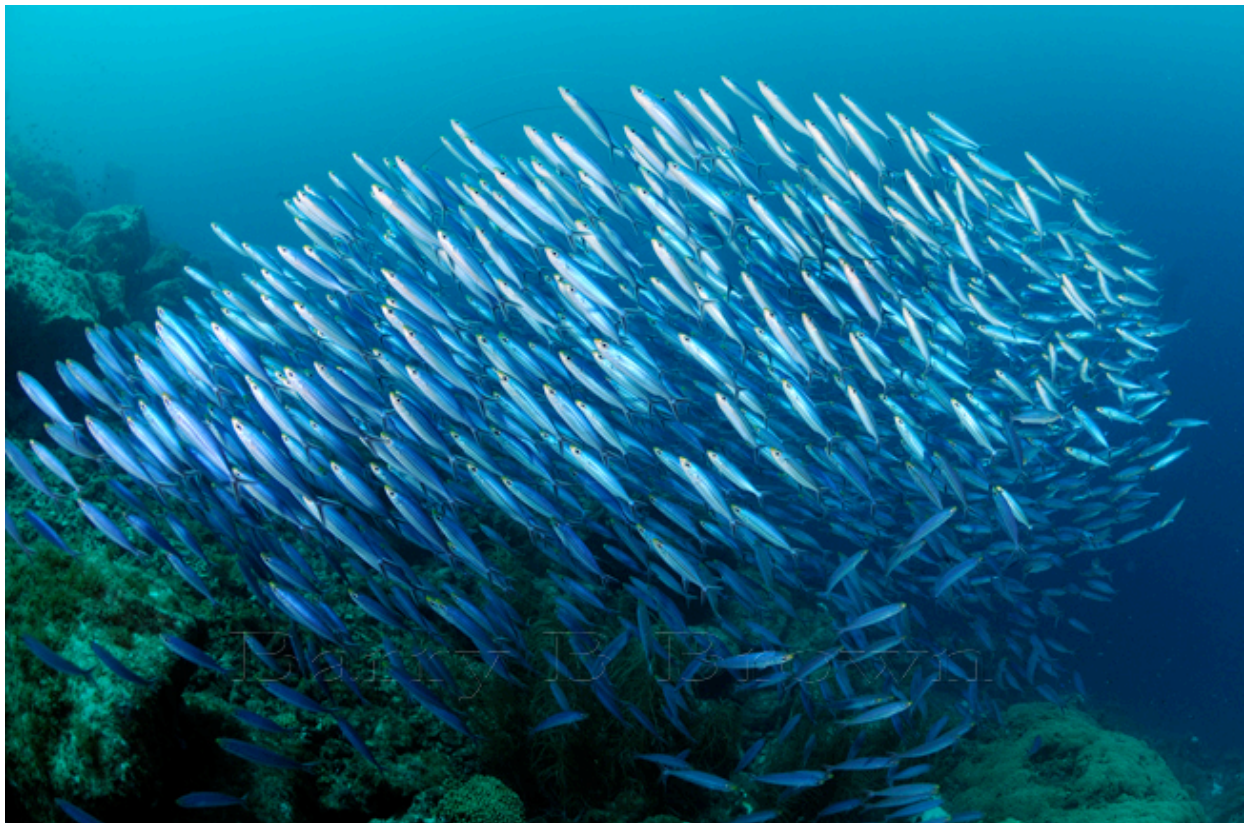




Population Biology and Population Genetics

*Spring School- fourth edition
Venice, May 30-June 1*



Unione Zoologica Italiana (UZI), with the support of the *Istituto Veneto di Scienze, Lettere ed Arti* organizes the fourth UZI School, an event that is intended to get together young researchers and senior scientists to address and discuss topics of large interest and particularly relevant in Population Biology and Population Genetics.

Aims and rationale: The main goal of the UZI Spring School 2014 is to present the “state of the art” on various aspects of population biology. This is a very broad topic that can be addressed at various levels from population ecology to population genetics. During the three days of the school the discussion will be focused on the evolutionary forces (current and historical) that play a role in shaping population structure in different environments and different species. Case studies will be presented that may have theoretical and practical implications of general value. The discussion will also take into account aspects of population biology and population genetics relevant for the proper management of natural resources.

Organization of the school: The school will be organized in four half-day sessions, from Friday afternoon to Sunday morning. Senior scientists will contribute to each session by introducing a specific topic that will be open to discussion at the end of the presentation. The audience will be composed by 30 selected junior researchers.

Organizing committee

Tomaso Patarnello Alessandro Minelli, Gabriella Chieffi, Roberto Bertolani .

Teaching staff

Guido Barbujani - *Università di Ferrara*
Giacomo Bernardi - *University of California at Santa Cruz*
Luigi Boitani – *Università di Roma la Sapienza*
Michael Bruford - *Cardiff University*
Gisella Caccone - *Yale University*
Gary Carvalho - *Bangor University*
Claudio Ciofi - *Università di Firenze*
Scott Edwards - *Harvard University*
Diego Fontaneto - *CNR Pallanza*
Tomaso Patarnello - *Università di Padova*

Location

The school will be held at the *Istituto Veneto di Scienze, Lettere ed Arti*, hosted in *Franchetti Palace*, one of the most beautiful historical palaces on the Canal Grande (web site: <http://www.istitutoveneto.it/index.html>)

**Who can apply**

The course is designed for PhD students, post-doctoral and young tenure-track researchers. Maximum number of participants is 30. Preference will be given on the basis of personal motivation, and CV.

Costs and facilities

The fee is of 150 € and includes:

- double-room accommodation for 2 nights at Istituto Artigianelli (<http://www.donorione-venezia.it/>)
- 1 welcome dinner
- 1 lunch
- 4 coffee breaks

Registration form and secure on-line payment of the fees will be accessible in due time.

Important dates

28 April 2014 – Deadline for application

5 May 2014 – Notification to all applicants of the results of the selection

12 May 2014 – Confirmation and payment of fees by all selected applicants

POPULATION BIOLOGY AND POPULATION GENETICS

UZI Spring School, Venice 2014

Program

May 30 – Friday

12.30-14.30 – REGISTRATION

14.30-15.30 - **Michael Bruford** - *Cardiff University*
Introducing conservation genomics

15.30-16.30 - **Giacomo Bernardi** - *University of California at Santa Cruz*
Global climate change and fish genomics

16.30-17.00– *Coffee break*

17.00-18.00 - **Diego Fontaneto** - *CNR Pallanza*
Population biology, population genetics and speciation in animals with asexual reproduction

20.00 - *DINNER*

May 31 – Saturday

9.00-10.00 - **Scott Edwards** - *Harvard University*
Bridging the gap between population genetics and phylogenetics: an overview of theory and examples

10.00-11.00 - **Gisella Caccone** - *Yale University*
Evolutionary genetics and conservation of giant Galapagos tortoises

11.00 - 11.30 - *Coffee break*

11.30-12.30 - **Claudio Ciofi** - *Università di Firenze*
The vagaries of island living: population ecology and genetics of Komodo dragons

13.00-15.00 – *LUNCH*

15.00-16.00 – **Gary Carvalho** - *Bangor University*
Genetic structuring in an open world: detection and significance in marine fishes

16.00-17.00 – **Giacomo Bernardi** - *University of California at Santa Cruz*
The genetics and genomics of Lessepsian bioinvasions

17.00 - 17.30 - *Coffee break*

17.30 18.30 – **Tomaso Patarnello** - *Università di Padova*
Living in the cold, fish adaptation and evolution in the Southern Ocean

June 1 – Sunday

8.45-9.45 – **Luigi Boitani** – *Università di Roma la Sapienza*

Management of large carnivores in Europe: a different dimension of the population concept

9.45 – 10.45 **Michael Bruford** - *Cardiff University*

Phylogeography and conservation of African mammals

10.45 – 11.15 - *Coffee break*

11.15-12.15 – **Guido Barbujani** - *Università di Ferrara*

We, the Africans: fifteen things to remember about human genome diversity

12.15-12.30 – FINAL REMARKS