

WELCOME AND INTRODUCTION 10.00–10.10: greetings from organizers

SESSION 1: *Conservation biology*

10.10–10.40 **Keynote speaker:** Marco Gerdol

Animal pangenomes: unveiling the secrets of adaptation and survival in marine environments

Oral presentations

Chairs: Massimo Milan and Emiliano Trucchi

10.50–11.05 **Using thermal priming to mitigate the lethal effects of marine heatwaves on the Manila clam *Ruditapes philippinarum*.**

Luca Peruzza^{*}, Università di Padova, Padova, Italy

11.05–11.20 **Evaluating the risks of interpopulation translocations in critically endangered European mink *Mustela lutreola* L., 1761**

Jakub Skorupski, University of Szczecin

11.20–11.35 **Ancient DNA reveals historical demographic decline and genetic erosion in the Atlantic bluefin tuna.**

Alessia Cariani, Università di Bologna, Bologna, Italy

11.35–11.50 **Genetic characterization of *Staphylococcus aureus* isolates from hedgehogs: understanding wildlife microbial ecology.**

Vanessa Silva^{*}, Universidade Nova de Lisboa, Caparica, Portugal

11.50–12.05 **First steps towards the conservation of endemic Italian *Salvia* species through population genomics.**

Chiara Paleni^{*}, Università degli Studi di Milano, Milano, Italy

Poster presentations

Chairs: Federica Carducci and Elisa Carotti

12.10–12.18 **Integrated taxonomic approach for the study of endangered chondrichthyans species in the Mediterranean Sea.**

Giada Santa Calogero^{*}, Università di Catania, Catania, Italy

12.18–12.24 **New molecular insights on Mediterranean blue crab *Callinectes sapidus* Rathbun, 1896.**

Marco Mancuso^{*}, Università di Catania, Catania, Italy

12.24–12.32 **Wildlife monitoring in a coastal site of Natura 2000 network: a tool for habitat and species conservation.**

Maria Carla de Francesco, Università del Molise, Termoli, Italy

12.40–13.45 Digital break

SESSION 2: The role of Transposable Elements

14.00–14.30 **Keynote speaker:** Valentina Peona

The role of transposable elements in the evolution of “stable” genomes

Oral presentations

Chairs: Irina Arkhipova and Andrea Luchetti

14.40–14.55 **The endogenous promoter of Transposable Elements: a facilitator of horizontal transposon transfer (and beyond).**

René Massimiliano Marsano, Università di Bari, Bari, Italy

14.55–15.10 **Comparing the transposon landscapes of a putative ancient asexual and a sexual non-marine ostracod (Crustacea, Arthropoda).**

Isa Schön, Institute of Natural Sciences, Brussels, Belgium

15.10–15.25 **Transposable Elements: architects of novel satellite DNA organization and origins of numerous satellite DNA sequences.**

Eva Šatović Vukšić, Ruđer Bošković Institute, Zagreb, Croatia

15.25–15.40 **Statistical patterns in the distribution of transposable elements in Teleost genomes.**

Manaswini Parija*, Shiv Nadar Institution of eminence, Delhi NCR, India

15.40–15.55 **Search for dispersed repeats in bacterial genomes.**

Eugene Korotkov, Research Center of Biotechnology of the Russian Academy of Sciences, Moscow, Russia

15.55–16.10 **Transposable elements in the genome of Triatominae (Hemiptera: Reduviidae), Chagas disease vectors.**

Sebastián Pita, Sección Genética Evolutiva, Universidad de la República, Uruguay.

Poster presentations

Chair: Renè Massimiliano Marsano

16.15–16.23 **Evaluation of transposable elements activity in *Xenopus laevis* focusing on subgenomes in six developmental stages**

Edith Tittarelli*, Università Politecnica delle Marche, Ancona, Italy

16.23–16.31 **Tissue-specific response of transposable elements to temperature stress in the Antarctic fish *Trematomus bernacchii***

Clara Serrat Torres*, University of Vic, Vic, Spain

16.31–16.39 **A comprehensive study of transposable elements transcriptional contribution across six zebrafish developmental stages**

Anna Rita Scialpi*, Università Politecnica delle Marche, Ancona, Italy

Session Awards: best oral presentation and best poster presentation

Chairs: Irina Arkhipova and Federica Carducci

16.55

17.05–17.15 **Conclusions and remarks**