

PhDay brief program

Thursday, 18 December
DAY 1

8:30 - 9:00	Registration
9:00 - 9:30	Opening Remarks and Institutional Greetings - Duccio Cavalieri and Stefano Cannicci
9:30 - 11:00	Andrea Quagliariello University of Florence Assistant Professor
11:00 - 11:20	Giorgia Ciappi
11:20 - 11:50	Coffee break
11:50 - 12:10	Marta Montagnini
12:10 - 12:30	Francesco Savarino
12:30 - 12:50	Beatrice Sammarco
12:50 - 13:10	Alessia Ardenghi
13:10 - 14:30	Lunch
14:30 - 16:00	Paola Bonfante Turin University Emeritus Professor Member of the Accademia dei Lincei
16:00 - 16:20	Veronica Butelli
16:20 - 16:50	Coffee break
16:50 - 17:10	Alexander Cannaerts (online)
17:10 - 17:30	Gaia Regini
17:30 - 17:50	Giulia Giovanna Salerno (online)
17:50 - 17:55	Matilda Bellini
17:55 - 18:00	Viola Ceccherini
18:00 - 18:05	Francesca Coscione
18:05 - 18:10	Beatrice Chiavacci
18:10 - 18:15	Antonio Verolino
18:15 - 18:20	Federica Castagnoli (online)
18:20 - 18:25	Jesús Lenin Lara Galván
18:25 - 18:30	Andrea Passini
18:30 - 18:35	Elena Buccarelli

Friday, 19 December
DAY 2

9:00 - 10:30	Elena Pilli University of Florence Associate Professor FIS3 winner
10:30 - 10:50	Tommaso Marinoni
10:50 - 11:10	Giorgia Staffoni (online)
11:10 - 11:40	Coffee break
11:40 - 12:00	Marta Nerini
12:00 - 12:20	Matilde Marconi
12:20 - 13:20	Teresa Rinaldi Sapienza University of Rome Associate Professor
13:20 - 14:20	Lunch
14:20 - 14:40	Alice Rispoli
14:40 - 15:00	Flavia di Cesare
15:00 - 15:20	Lara Gazzoldi
15:20 - 15:40	Giulia Bertoletti
15:40 - 16:00	Break
16:00 - 16:20	Eugenia Siccardi (online)
16:20 - 16:40	Linda Pratesi (online)
16:40 - 18:10	Fiorenza Micheli Stanford University David and Lucile Packard Professor of Marine Science Chair, Oceans Department Co-Director of Stanford Center for Ocean Solutions Senior Fellow at Woods Institute for the Environment Hopkins Marine Station
18:10 - 18:30	Final Greetings - David Caramelli

Lecture
Genetica ed Evoluzione
Biologia e Biotecnologie vegetali
Ecologia ed Etologia
First-year students

Complete Program

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8:30 - 9:00 Registration

9:00 - 9:30 Opening Remarks and Institutional Greetings

9:30 - 11:00 **Opening Lecture**

QUAGLIARIELLO A. - Integrating parrotfish microbiome ecology into the coral reef bioerosion paradigm

11:00 - 14:30 **Genetic and Evolution - PhD Students' Talks**

CIAPPI G. - Skeletal growth patterns and evidence of selective burial practices among late upper paleolithic hunter-gatherers

11:20 - 11:50 *Coffee Break*

MONTAGNINI M. - Diachronic paleogenomic study of central italy: analysis of the remains from the palazzone necropolis and the hypogeum of the volumni (5th century bc – 1st century ad)

SAVARINO F. - Paleogenomic analysis on human individuals found in pompeii

SAMMARCO B. - Tracing the origins of non-native *Littorina saxatilis* populations: genomic insights into colonization outcome

ARDENGHI A. - Conservation genetics of mediterranean populations of the *Salmo* genus (*Salmo marmoratus*, *Salmo cettii*, and *Salmo ghigii*)

13:10 - 14:30 *Lunch Break*

14:30 - 16:00 **Invited Lecture**

BONFANTE P. - Mycorrhizae: a complex biological system for studying plant-microbe interactions

16:00 - 17:50 **Plant Biology and Biotechnology - PhD Students' Talks**

BUTELLI V. - Testing the potential of polymer-complexed magnetites as nanofertilizers on the model plant *Tillandsia usneoides*

16:20 - 16:50 *Coffee Break*

CANNAERTS A. - Linking the Effects of global change on mycorrhizal communities and plant functioning in grasslands

REGINI G. - Physiological, biochemical and molecular analysis of thallium hyperaccumulation and hypertolerance of *Silene latifolia*

SALERNO G.G. - Formation of the vascular system: an auxin-dependent physiological process involved in plant organogenesis

17:50 - 18:35 First-year students' Short Talks

PASSINI A. - Sustainable management of feral horse populations for the conservation of mountain grasslands

CECCHERINI V. - Cyanobacterial blooms in alpine lakes: genomic and functional characterization

COSCIONE F. - Decoding the bacterial epigenome in host–microbe interaction

CHIAVACCI B. - Shedding lights into transgenerational memory to abiotic and biotic stresses in legumes

VEROLINO A. - The role of ants in deadwood colonization and saproxylic community assembly

CASTAGNOLI F. - Artificial intelligence applications for biodiversity monitoring and protection

LARA GALVAN J. L. - Biodiversity of the endemic malagasy chameleons of the genus *Calumma*: distribution patterns and ethnobiological knowledge

BELLINI M. - Eco-evolutionary dynamics analysis of yeast-insects interactions: role of *saccharomyces cerevisiae*-derived vocs in modulating attractiveness

BUCCARELLI E. - The biography reconstruction of Enrica Calabresi: passionate zoologist, scientist and teacher in the first half of the twentieth century

Friday, 19 December

9:00 - 10:30 Opening Lecture

PILLI E. - Artificial Intelligence and Forensic Genomics for Human Biodiversity

10:30 - 12:20 Ecology and Ethology - PhD Students' Talks (I)

MARINONI T. - Impact of *Nypa fruticans* and Thalassinidae on mangrove crab community and assessment of non-invasive monitoring techniques

STAFFONI G. - From temperate streams to tropical mangroves: the future of biodiversity monitoring and conservation using environmental dna

11:10 - 11:40 Coffee Break

NERINI M. - Investigating microbial interactions in agricultural soils from bovine tuberculosis-affected and tuberculosis-free farms

MARCONI M. - The impact of anthropogenic and natural disturbance on interactions between mammals and forests, and on ecosystem services: preliminary results from two case studies.

12: 20 - 13:20 **Invited speaker**

RINALDI T. - European Dual Use Regulation: Definition and Implications for Scientific Research

13:20 - 14:20 *Lunch break*

14:20 - 16:40 **Ecology and Ethology - PhD Students' Talks (II)**

RISPOLI A. - Effects of the introduction of *apis mellifera* on the trophic and behavioral dynamics of native pollinators on giannutri island

DI CESARE F. - Biopesticides and pollinators: lethal and sub-lethal effects on *apis mellifera* and *bombus terrestris*

GAZZOLDI L - Effects of hydraulic connectivity and nutrients availability on benthic metabolism and nitrogen cycling in perifluvial wetlands

BERTOLETTI G. - Invasion of *Mnemiopsis leidyi* and risk of regime shift in european marine ecosystems

15:40 - 16:00 *Break*

SICCARDI E. - Context-dependent effects of land abandonment: evidence from semi-natural pastures and artificial chestnut groves

PRATESI L. - The origin of social inequalities in northern Italy: clues from ancient genomes

16:40 - 18:10 **Closing Lecture**

MICHELI F. - Ocean Solutions for Nature and People

18:10 Final Greetings