

# PhDay brief program

Thursday, 18 December  
DAY 1

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

Friday, 19 December  
DAY 2

<b>9:00 - 10:30</b>	Elena Pilli University of Florence Associate Professor FIS3 winner
<b>10:30 - 10:50</b>	Tommaso Marinoni
<b>10:50 - 11:10</b>	Giorgia Staffoni (online)
<b>11:10 - 11:40</b>	Coffee break
<b>11:40 - 12:00</b>	Marta Nerini
<b>12:00 - 12:20</b>	Matilde Marconi
<b>12:20 - 13:20</b>	Teresa Rinaldi Sapienza University of Rome Associate Professor
<b>13:20 - 14:20</b>	Lunch
<b>14:20 - 14:40</b>	Alice Rispoli
<b>14:40 - 15:00</b>	Flavia di Cesare
<b>15:00 - 15:20</b>	Lara Gazzoldi
<b>15:20 - 15:40</b>	Giulia Bertoletti
<b>15:40 - 16:00</b>	Break
<b>16:00 - 16:20</b>	Eugenia Siccardi (online)
<b>16:20 - 16:40</b>	Linda Pratesi (online)
<b>16:40 - 18:10</b>	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
<b>18:10 - 18:30</b>	Final Greetings - David Caramelli

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

## Complete Program

### Thursday, 18 December

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 perfluvial 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