



Summer School 2026

PhD in Biological and Natural Sciences

AULA G - via Elce di Sotto

16 - 17 June 2026

EVOLUTION AND PHENOTYPIC PLASTICITY



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Program

EVOLUTION AND PHENOTYPIC PLASTICITY

16 June

- 9:00 Accreditation and registration

Chairs: Giulia Petroni, Lorenzo Giulivi

- 9:15 **Jeffrey Tomberlin** (*Department of Entomology, Texas A&M University*)
"Generalist v Specialist in Decomposition Ecology Reveal Unique Evolutionary Stable Strategies Allowing for Niche Partitioning "
- 9:55 **M. Olalla Lorenzo-Carballa** (CRETUS, *Department of Zoology, Genetics and Physical Anthropology, University of Santiago de Compostela*)
"Alternative reproductive strategies in insects: Ecological and genetical correlates of parthenogenesis in the damselfly *Ischnura hastata*"

- 10.35 coffee break

Chairs: Asmita Baral, Sara Futia

- 11:00 **Matthew Peirce** (*Dipartimento di Medicina e Chirurgia, Università degli Studi di Perugia*)
"Stress management in mosquitoes: Resolving the tension between survival and reproduction in the malaria vector *Anopheles gambiae*"
- 11:40 **Benedetto Morandi** (*Osservatorio Epidemiologico, Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati"*)
"National Arbovirus Plan 2020–2025: Surveillance and Control"

- 12.30 Lunch

Chairs: Maria Vittoria Leonardi, Agnese Carnevali, Giada Sgaravizzi

14:30 **Fabrizio Carletti** (*Istituto Nazionale per le Malattie Infettive L. Spallanzani I.R.C.C.S.*)

“Molecular Evolution and adaptive Dynamics of Viruses”

15.10 **Piotr Koper** (*Maria Curie-Skłodowska University, Lublin, Poland*)

“Genome plasticity in *Legionella*: the role of plasmids and replicon diversity”

15.50 **Stefano Fiorucci** (*Dipartimento di Medicina e Chirurgia, Università degli Studi di Perugia*)

“Structure and functions of the human microbiota”

- 16:30 Closure of works

17 June

- 9.00 Accreditation and registration

Chairs: Maurizio Gildo Cavaliere, Davide Perrone

09:15 **Salvatore Tomasello** (*Department of Systematic Botany, University of Gottingen*)

“Molecular methods for species delimitation, phylogenetic and biogeographic inference. Examples from the Asteraceae”

09:55 **Emanuele De Paoli** (*Dipartimento di Scienze Agroalimentari, Ambientali e Animali, Università degli Studi di Udine*)

“From Individual Responses to Evolutionary Adaptation: Genetic and Epigenetic Control of Plant Phenology”

- 10:35 coffee break

Chairs: Alessandra Maganza, Maria Vittoria Leonardi, Camilla Mossotto

11:00 **Giulia Margaritelli** (*Dipartimento di Fisica e Geologia, Università degli Studi di Perugia*)

"Foraminifera as Ecological Indicators: Modifications and Adaptations"

11:40 **Irene Cardinali** (*Dipartimento di Chimica, Biologia e Biotecnologie, Università degli Studi di Perugia*)

"Tracing maternal histories with DNA: from macro to micro phylogeographic evolutions"

12:20 **Silvia Crotti** (*Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati"*)

"Dermatophytoses from a one health perspective: what can and should we do?"

- 13:00 Lunch

14.30 PhD students' presentations

- 17:00 Closure of Summer School works

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