



European PhD Network "Insect Science" - X Annual Meeting

Genova, 4 – 6 December 2019

Università degli Studi di Genova - Dipartimento di Scienze della Terra dell'Ambiente e della Vita
Room 401, 4° floor

PROGRAMME

Wednesday 4 December 2019

13:00 **Registration**

14:30 **Welcome address**

Senior scientist lecture

14:35 Stefano Vanin – University of Genova
Insects for Justice, Insects for History

15:00 Loris Galli – University of Genova
The Proturologist's hard work

Oral Presentations

15:20 Michele Zaccagno – University of Torino
Impact of water availability and agricultural management on occurrence and abundance of Large Copper (*Lycaena dispar*) in a rice paddy landscape

15:40 Mokhtar Abdulsattar Arif – University of Palermo
Attractiveness of volatile *Brassica* spp. seedling components to *Bagrada hilaris* and potential implications for developing habitat management strategies

16:00 Eleonora Barra – University of Napoli
Immune suppressive dsRNA in *Spodoptera littoralis* enhance the impact of the entomopathogen *Bacillus thuringiensis*

16:20 Andrea Becchimanzi – University of Napoli
A *Varroa destructor* salivary chitinase is involved in the physiological regulation of infested honeybee pupae

16:40 Nicola Bodino – CNR, Torino
Phenology and host-plant association of spittlebugs (Hemiptera: Aphrophoridae) in Mediterranean olive groves

17:00 **Coffee Break at the "Laboratorio di Biologia Marina" - 6° floor**

17:30 **Poster Presentations**

- Emanuele Berrilli – University of L'Aquila
The grey area of DNA barcoding: how to improve the molecular tool through an integrative taxonomy pipeline
- Francesca Canuto – University of Torino
Honeybee pathogens and antimicrobial peptides expression: seasonal and local variations in piedmontese apiaries
- Andree Cappellari – University of Padova
Effects of managed honeybee abundance on specialization of wild pollinators
- Daniele Cornara – CIHEAM, Mediterranean Agronomic Institute of Bari

MEETING VENUE

Università degli Studi di Genova - Dipartimento di Scienze della Terra dell'Ambiente e della Vita
Corso Europa, 26 - 16132 Genova

Segreteria Organizzativa Event Planet Srl Contact: Marina Morra - Tel. +39 081.5529399 - marina.morra@eventplanet.it



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Evaluation of different compounds for the control of the Orange Spiny Whitefly

***Aleurocanthus spiniferus* in Citrus spp. under organic management**

- [Serena Malabusini](#) – University of Milano | [Zahra Golparvar](#) – University of Mohaghegh Ardebili

Segregation and behavior of the parasitoid of longhorn beetles *Sclerodermus brevicornis* (Hymenoptera Bethyridae) in laboratory choice tests

- [Marco Molfini](#) – University of Roma Tre

A preliminary prioritized list of Italian alien terrestrial invertebrate species

- [Davide Nardi](#) – University of Padova

VAIA windstorm: understanding outcomes and future trends on forest biodiversity through a DNA metabarcoding approach

- [Giacomo Ortis](#) – University of Padova

First record of *Pseudocleruchs triclavatus* (Hymenoptera: Mymaridae) from eggs of the forest pest *Barbitistes vicetinus* (Orthoptera: Tettigoniidae)

- [Sara Ottati](#) – CNR, Torino

Towards the production of an infectious viral clone to interfere with phytoplasma transmission by the leafhopper vector

- [Stefan Cristian Prazaru](#) – University of Padova

Biological control of the Nearctic leafhopper *Erasmoneura vulnerata* (Fitch) using generalist predators

- [Merlin Rensing](#) – Swedish University of Agricultural Sciences

Inter plant-plant Communication, aphid response and sustainable crop production

- [Molly Rogers](#) – University of Bristol

Uncovering the spatial characteristics of electroreception in the Buff-tailed Bumblebee, *Bombus terrestris*

- [Julian Winkler](#) – University of Kassel

Response of alate aphids to organic mulch materials

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Thursday 5 December 2019

08:30 Senior scientist lecture

David Giron – University of Tours

An integrative approach on plant manipulating Lepidoptera: from leaf-miners to gall-inducers

Oral Presentations

09:00 Davide Badano – University of Genova

Lacewings, dustywings, spongillaflies, mantisflies, owlflies, antlions... the evolutionary history of Neuroptera

09:20 Marco Bonelli – University of Milano

High mountain plant-pollinator interactions: a little known but critical component of fragile ecosystems - The case of the endangered alpine plant *Androsace brevis*

09:40 Matteo Brunetti – University of Milano

Cryptic diversity and biological control of weeds: the case of *Psylliodes chalconera* (Coleoptera: Chrysomelidae)

10:00 Alice Caselli – Scuola Superiore Sant'Anna - Institute of Life Sciences

Chemical ecology of *Dasineura oleae*: searching for the sexual pheromone

10:20 Elisa Colasanto – University of Genova

Mediterranean and Antarctic Pycongonida

10:40 Priscilla Farina – University of Pisa

Responses from olfactory sensilla of *Sitophilus zeamais* to Andean essential oils

11:00 **Coffee Break at the "Laboratorio di Biologia Marina" - 6° floor**

11:30 Luca Finetti – University of Ferrara

Molecular characterization and pharmacological profile of type 1 tyramine receptor (TAR1) of the phytophagous insect *Halyomorpha halys*

11:50 Giovanni Jesu – University of Napoli

New promising control perspectives against Italian Tephritids

12:10 Farzaneh Kazerani – Research Institute of Forests and Rangelands (AREEO), Iran

A checklist of saproxylic diptera from Iran

12:30 Saetbyeol Lee – Czech University of Life Sciences

NMR biomarkers of cold stress resistance in honey bees

12:50 Giulia Magoga – University of Milano

Testing factors affecting molecular species delimitation accuracy on the species-rich beetle family of Chrysomelidae

13:10 Matteo Marchioro – University of Padova

Light-traps in shipping containers: a new frontier for the early-detection of alien pests

13:30 **Lunch at the "Laboratorio di Biologia Marina" - 6° floor**

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14:30 Senior scientist lecture

Domenico Bosco – University of Torino

The struggle of phytoplasmas for transmission by insect vectors: interactive versus independent transmission

Oral Presentations (Edible insects: safe use and future perspectives)

15:00 Sara Bellezza Oddon – University of Torino

Live insect larvae in broiler nutrition: effects on performance and gut health – preliminary results

15:20 Sara Bortolini – Free University of Bolzano

***Hermetia illucens* reared on municipal organic waste: a successful outcome for feed production**

15:40 Daniele Bruno – University of Insubria

The adult *Hermetia illucens* (Diptera: Stratiomyidae) is endowed with a functional digestive system

16:00 Christian Caimi – University of Torino

***Tenebrio molitor* larvae meal in rainbow trout diets: growth performance and diets digestibility**

16:20 Ellen Gorrens – Lab4Food, Geel Campus, Belgium

Survival and transmission of pathogens in industrially reared insects at Lab4Food

16:40 Dries Vandeweyer – Lab4Food, Geel Campus, Belgium

Rearing and processing insects at industrial scale: Microbiological research at Lab4Food

17:00 Poster Presentations (Edible insects: safe use and future perspectives)

▪ Antonio Franco – University of Basilicata

Breeding of bioconverter insects for the production of high-quality raw materials for animal feed

▪ Somaya Naser El Deen – Parthenope University of Naples

Analysis of the growth performance of *Tenebrio molitor* (Coleoptera: Tenebrionidae) reared on diets based on by-products for food and feed

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Friday 6 December 2019

09:00 Senior scientist lecture

Matteo Montagna – University of Milano

The fossil deposit of Monte San Giorgio (Switzerland-Italy) and its impact on insect evolution

Oral Presentations

09:30 Yasaman Moghaddasi – University of Tehran

Effect of *Ephestia kuehniella* larval diet on the quality of *Trichogramma brassicae*

09:50 Michele Preti – Free University of Bolzano

Evaluation of *Cydia pomonella* (Lepidoptera: Tortricidae) management with mass trapping using kairomonal lures

10:10 Beatriz Ramírez Serrano – University of Tours

Effects of arbuscular mycorrhizal symbiosis on the performance of *Spodoptera exigua* on maize in relation to the availability of plant Nitrogen

10:30 Enrico Ruzzier – University of Padova

Megatominae larvae (Dermestidae) with major focus on evolution, morphology and ecological function of Hatasetae

10:50 Giulia Scarparo – University of Roma Tre

Integrative approach to the study of functional morphology and parasitic strategies of myrmecophilous hoverflies

11:10 **Break**

11:30 Giorgio Sperandio – University of Brescia

Towards the development of new methods for the rational control and management of *Popillia japonica*

11:50 Elena Tondini – Scuola Superiore Sant'Anna - Institute of Life Sciences

Biological control of *Dasineura oleae*: identity and spatio – temporal distribution of its parasitoid complex

12:10 Mizuki Uemura – University of Padova

Ground dispersing social caterpillars from opposite hemispheres and its associated urtication risks

12:30 Gregorio Vono – Mediterranean University of Reggio Calabria

Preliminary records on the evolutionary relationships in field populations of *Liothrips oleae* (Costa)

12:50 Nicola Zadra – Fondazione Edmund Mach

Phylogeny and divergence of *Aedini* mosquitoes: evolutionary scenarios and genomic perspectives

13:10 **Discussion on PhD education and future careers**

13:30 **Meeting closure**

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Società
Entomologica
Italiana

150°
ANNIVERSARIO

150° ANNIVERSARIO della **SOCIETÀ ENTOMOLOGICA ITALIANA (SEI)**

Venerdì 6 Dicembre 2019

- 14:00 Cocktail di benvenuto nel *Salone di Paleontologia* - piano terra
- 15:00 Saluti del Presidente Francesco Pennacchio
- 15:10 Roberto Poggi
Società Entomologica Italiana, 1869-2019. Breve storia di 150 anni
- 15:30 Marco Bologna
Augusto Vigna Taglianti
- 16:00 Achille Casale
The contribution of Augusto Vigna Taglianti to the knowledge of carabid beetles
- 16:30 Romano Dallai
The sperm ultrastructure of Carabidae reveals a great variability in the group
- 17:00 Conclusioni

Museo Civico di Storia Naturale "Giacomo Doria" – Anfiteatro
Via Brigata Liguria, 9 Genova

