SCIENTIFIC PROGRAMME
15-18 November 2017

EUROPEAN PhD NETWORK
"INSECT SCIENCE"
VIII Annual Meeting
15-16 November 2017

GIORNATE CULTURALI DI ENTOMOLOGIA
Accademia Nazionale Italiana di Entomologia
Società Entomologica Italiana
17 November 2017

ACCADEMIA NAZIONALE ITALIANA DI
ENTOMOLOGIA
General Assembly and Public Session
18 November 2017

FEDERICO II Convention Centre
Via Partenope 36, Napoli – Italy
Wednesday 15 November 2017

EUROPEAN PhD NETWORK "INSECT SCIENCE" - VIII Annual Meeting

08:00 – 08:55
Registration

08:55 – 09:00
Welcome Address
Francesco Pennacchio, University of Napoli “Federico II” – Department of Agricultural Sciences, Italy

09:00 – 09:40
An insect pheromone primes plant defenses with community wide effects
John F. Tooker, The Pennsylvania State University - Department of Entomology, University Park, PA USA

09:40 – 10:00
Multiple symbiont acquisition and host shifts in a termite-protist mutualistic association
C. Michaud, Institut de Recherche sur la Biologie de l’Insecte, CNRS - University of Tours, France

10:00 – 10:20
Electrophysiological and behavioral studies in the evaluation of semiochemical attractants for Stegobium paniceum L. (Coleoptera: Anobiidae)
S. Guarino, University of Palermo - Dipartimento di Scienze Agrarie, Alimentari e Forestali, Italy

10:20 – 10:40
The larval midgut of Hermetia illucens is characterized by a highly complex structural organization
D. Bruno, University of Insubria - Department of Biotechnology and Life Sciences, Varese, Italy

10:40 – 11:20
Coffee Break

11:20 – 11:40
Molecular and functional characterization of Hermetia illucens larval midgut
M. Bonelli, University of Milan - Department of Biosciences, Italy

11:40 – 12:00
Immunological properties of engineered Asaia symbionts: implications for the control of mosquito-borne diseases
I. Varotto Bocazzi, University of Milan - Department of Biosciences, Italy

12:00 – 12:20
ABC-transporter gene silencing inhibits insecticide detoxification in Anopheline
malaria vector
A. Negri, University of Rome “La Sapienza” - Department of Environmental biology, Italy

12:20 – 12:40
Impact of Halyomorpha halys (Stål) on grapevine in Veneto region
D. Scaccini, DAFNAE – Entomology, University of Padova, Italy

12:40 – 13:00
New acquisition about the role of Colomerus vitis in the transmission of Grapevine Pinot gris virus
D. Valenzano, Università degli Studi di Bari “Aldo Moro” - Dipartimento di Scienze del Suolo, della Pianta e degli Alimenti, Italy

13:00 – 14:00
Lunch
14:00 – 15:00
Poster exhibition and discussion

15:00 – 15:40
The non-target effects of modern insecticides on natural enemies of pests
A. Biondi, University of Catania – Department of Agriculture, Food and Environment, Italy

15:40 – 16:00
RNA interference of Varroa destructor salivary genes: a tool to disclose honeybee-mite immune interactions
A. Becchimanzi, University of Napoli “Federico II” – Department of Agricultural Sciences, Italy

16:00 – 16:20
Bacteria expressing dsRNA as a delivery tool in RNAi-based pest control technologies
F. Astarita, University of Napoli “Federico II” – Department of Agricultural Sciences, Italy

16:20 – 16:40
Development of an e-trap for the monitoring of the olive fruit fly Bactrocera oleae (Gmelin) (Diptera: Tephritidae)
P. Calabrese, University of Molise – Dipartimento Agricoltura, Ambiente, Alimenti, Campobasso, Italy

16:40 – 17:00
Human based genetic tools to refine genetic populations structure of honey bees (Apis mellifera ssp L.) (Hymenoptera: Apoidea: Apidae) colonies at regional scale
G. Noël, Functional and Evolutionary Entomology, Gembloux Agro-Bio Tech, University of Liege, Belgium

17:00 – 17:20
Effect of short-term suboptimal temperature storage to assist large scale production of two dipterans
M. Benelli, University of Bologna – Department of Agricultural Sciences, Italy
Thursday 16 November 2017

EUROPEAN PhD NETWORK "INSECT SCIENCE" - VIII Annual Meeting

<table>
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<tr>
<th>Time</th>
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| 09:00 – 09:40 | Forest insect invasions - the role of global change  
**A. Battisti**, DAFNAE – Entomology, University of Padova, Italy |
| 09:40 – 10:00 | Modelling the shifts in the timing and spatial distribution of *Vitis vinifera*, *Lobesia botrana* and *Trichogramma* sp. phenology in a warming climate  
**V. Castex**, University of Geneva - Institute of Environmental Sciences, Switzerland |
| 10:00 – 10:20 | The role of cuticular proteins located at the surface of the acrostyle, an organ at the tip of aphid stylets, in plant-aphid interactions  
**M. Deshoux**, INRA Montpellier - UMR 385 BGPI, France |
| 10:20 – 10:40 | Molecular and functional characterization of an immune gene of *Spodoptera littoralis*  
**I. Di Lelio**, University of Napoli “Federico II” – Department of Agricultural Sciences, Italy |
| 10:40 – 11:00 | NF-κB signaling is impaired by neonicotinoid insecticides  
**G. Di Prisco**, University of Napoli “Federico II” – Department of Agricultural Sciences, Italy |
| 11:00 – 11:40 | Coffee Break |
| 11:40 – 12:00 | Archaeoentomological studies provide information about the biodiversity of the Sardinian entomofauna in the last centuries  
**G. Giordani**, University of Huddersfield – Department of Biological Sciences, School of Applied Sciences, UK |
| 12:00 – 12:20 | First records of *Synthesiomyia nudiseta* (Diptera: Muscidae) from forensic cases in Italy  
**F. Tuccia**, University of Huddersfield – Department of Biological Sciences, School of Applied Sciences, UK |
| 12:20 – 12:40 | *Drosophila suzukii* spillover from natural habitats to vineyards and cherry orchards  
**L. Tonina**, DAFNAE – Entomology, University of Padova, Italy |
| 12:40 – 13:00 | High synchronization of *Drosophila suzukii* activity along elevational gradients  
**G. Santoiemma**, DAFNAE – Entomology, University of Padova, Italy |
13:00 – 14:00
Lunch

14:00 – 14:40
Poster exhibition and discussion

14:40 – 15:20
**Gendercide symbionts in arthropods, and other stories of sex, symbiosis, and survival**
*C. Bandi, University of Milan - Department of Biosciences, Italy*

15:20 – 15:40
**Role of VOCs from *Brassica oleracea* in host location processes of *Bagrada hilaris*: electrophysiological and behavioral studies**
*M. A. Arif, University of Palermo - Dipartimento di Scienze Agrarie, Alimentari e Forestali, Italy*

15:40 – 16:00
**Inter-specific relationship among stored-product Coleoptera: role of VOC emissions**
*G. Giunti, Università Mediterranea di Reggio Calabria - Dipartimento di Agraria, Italy*

16:00 – 16:20
**Influence of cover crop management techniques on soil ecosystem services**
*S. Magagnoli, Alma Mater Studiorum University of Bologna - Dipartimento di Scienze Agrarie, Italy*

16:20 – 16:40
**Influence of landscape complexity and vineyard management on leafhoppers abundance in North-Italian vineyards**
*G. Zanettin, DAFNAE – Entomology, University of Padova, Italy*

16:40 – 16:50
**An innovative approach for the management of spotted wing drosophila (*Drosophila suzukii*): improve crop protection using an environmentally friendly formulation**
*I. Castellan, Free University of Bozen - Bolzano, Faculty of Science and Technology, Italy*

16:50 – 17:00
**New strategies in organic pest insect control by the characterization of bioactive plant volatile organic compounds of agricultural crops**
*M. Preti, Free University of Bozen - Bolzano, Faculty of Science and Technology, Italy*

20:00
**Dinner** at “Rossopomodoro” restaurant
*Via Partenope, 11, 80121 Napoli*
Friday 17 November 2017

GIORNATE CULTURALI DI ENTOMOLOGIA

9:20 – 9:35
Romano Dallai, President of “Accademia Nazionale Italiana di Entomologia”
Francesco Pennacchio, President of “Società Entomologica Italiana”
Matteo Lorito, Head Department of Agricultural Sciences - University of Napoli “Federico II”, Italy

I session: Insect-Plant Interactions

9:35
Introduction – Coordinators AMR Gatehouse, MC Digilio

9:40 – 10:15
Plant Response to Stress: Can this be exploited for Crop Protection?
Angharad MR Gatehouse, University of Newcastle, UK

10:15 – 10:40
Host tree-insect interactions in northern forest ecosystems in a changing climate
Deepa Pureswaran, Laurentian Forestry Centre, Québec, Canada

10:40 – 11:05
Insect and microorganisms interactions and the induction of plant defence
Maria Cristina Digilio, University of Napoli Federico II, Italy

11:05 – 11:30
Coffee Break

11:30 – 11:55
Smart plants or naive insects?
Salvatore Cozzolino, University of Napoli Federico II, Italy

11:55 –12:20
Signaling networks underlying plant defense responses at individual and community level
Rosa Rao, University of Napoli Federico II, Italy

12:20 – 12:45
From leaf-miners to gall-inducers: a continuum of plant manipulators?
David Giron, Institut de Recherche sur la Biologie de l’Insecte, CNRS - University of Tours, France

12:45 – 13:10
Ecology of egg parasitoids in crop protection
Stefano Colazza, University of Palermo - Dipartimento di Scienze Agrarie, Alimentari e Forestali, Italy

13:10 – 13:30
General discussion

13:30 – 14:30
Lunch
Il session: Insects for the Court, Insects for the History: a Journey through Forensic Entomology and Funerary Archaeoentomology

14:30 – 14:35
Introduction - Stefano Vanin, University of Huddersfield, UK

14:35 – 15:05
PML estimation a challenge for forensic pathologists
Carlo Campobasso, University of Campania Luigi Vanvitelli, Napoli, Italy

15:05 – 15:35
Hidden information within mummies and other burials
Gino Fornaciari, University of Pisa, Italy

15:35 – 16:05
Forensic Entomology and Funerary Archaeoentomology: a source of answers
Stefano Vanin, University of Huddersfield, UK

16:05 – 16:30
General discussion

16:30 – 17:00
Presentation of the book: “Il piacere delle api” - Paolo Fontana

17:00 – 18.00
ECE 2018 Organizing Committee Meeting

Saturday 18 November 2017

PUBLIC SESSION AND GENERAL MEETING OF THE “ACCADEMIA NAZIONALE ITALIANA DI ENTOMOLOGIA”

10:00 – 10:30
Welcome Coffee

10:30
General Assembly

11:30
Public Session

“Attuali ricerche su specie di Asphondylia (Diptera: Cecidomyiidae) causanti galle fiorali su Lamiaceae”
Gennaro Viggiani, University of Napoli Federico II, Italy

13:30
Lunch