

CONFERENCE PROGRAM



Cluj-Napoca (Romania) 7 – 9 September 2016

Wednesday 7 September 2016

<i>Aula Magna “Mihail Șerban”</i>		<i>A6 Conference Room (Aula Magna Building, level 2)</i>
08:00-09:00	Registration (<i>Aula Magna Hall</i>)	
09:00-09:15	Welcome address	
09:15-10:00	Plenary lecture Christina Grozinger: Bee nutrition: from genes to landscapes	
09:45-10:30	Coffee Break (<i>Library Hall</i>)	
10:30-11:15	Plenary lecture Adrian Horridge: The inputs to vision of colour in the honey bee	
11:15-11:30	Anneleen Parmentier: Microbial communities in bumblebees: exploring the unexplored	Pollinators ecology - Coordinated by Ingolf Steffan Dewenter
11:30-11:45	Jessy Praet: Reversing bumblebee declines: a microbiome approach	
11:45-12:00	Pierre Giovenazzo: Sustaining honeybee health with probiotics	
12:00-12:15	Tine Descamps : Multiple Locus Variable number of tandem repeat Analysis: A molecular genotyping tool for <i>Paenibacillus larvae</i>	
12:15-12:30	Magali Ribiere-Chabert : Disease control and beekeeper education are key factors for a better honeybee colony survival to winter in Europe	
12:30-12:45	Marion Laurent : Evolution of the activities of the European network of National Reference Laboratories in the field of honey bee health since 2011	
12:45-13:00	Marco Porporato: The European Life Project STOPVESPA: first year of activity and most relevant results	
13:00-15:00	Lunch (<i>Hotel Napoca</i>) by EurBeeBus from University parking ⇄	
15:00-15:45	Plenary lecture Franco Mutinelli: Small Hive Beetle in Italy	
15:45-16:30	Plenary lecture Simon Potts: Supply and demand of Pollination Services	
16:30-17:00	Coffee break (<i>Library Hall</i>)	
17:00-17:15	Moses Chemurot: New <i>Nosema</i> spp. detected in honeybee colonies from two highland agro-ecological zones of Uganda: is it an emerging threat to beekeeping?	Pollinators ecology
17:15-17:30	Qiang Huang: Purifying selection and siRNA control of <i>Nosema ceranae</i>	
17:30-17:45	Laurianne Paris: Causes and consequences of reactive oxygen species production in the gut of honeybees exposed to the parasite <i>Nosema ceranae</i> and to the insecticide fipronil	
17:45-18:00	Jevrosima Stevanovic: The earliest record and first report of <i>Lotmaria passim</i> in Serbian honey bees	
18:00 -18:30	Poster Session (<i>Life Sciences Institute Hall</i>)	

Wednesday 7 September 2016

	<i>Life Sciences Institute</i> "Regele Ferdinand" Amphitheater	<i>Life Sciences Institute</i> "Regina Maria" Amphitheater	<i>University Library</i> Library Amphitheater
11:15-11:35	Avca Özkan Koca: Geometric morphometric study on honeybees distributed in Bulgaria, Greece and Thrace	Aumer Denise: Reproductive characteristics and genetic analysis of laying <i>Apis mellifera capensis</i> workers with different parthenogenetic strategies	James C Makinson Bees in Space: lifelong radar tracking of bumblebee foragers reveals extreme variation in exploration vs. exploitation strategies;
11:35-11:55	Meral Kekecoglu: A case study, morphometric divergence through loss of original traits of anatolian honey bees: dangerous outcome for Turkish beekeeping	Oleg Lewkowski: Social isolation and small group sizes induce stress-related transcriptional changes in workers of the western honeybee (<i>A. mellifera</i>)	Gerit Dreyersdorff: Impact of strawberry production systems on bumble bees foraging preferences
11:55-12:15	Gavaunan Danailu: An analysis of sub-specific variation of populations of honeybee (<i>Apis mellifera</i> L.), in West and Central Africa, using geometric morphometrics	Alain Vignal: Understanding the French honeybee populations by whole genome sequencing of haploid drones	Stephan Wolf: Up the social ladder – changing the reproductive potential of honeybee workers
12:15-12:35	İrfan Kandemir: Conservation of <i>Apis mellifera caucasica</i> and <i>A. m. anatoliaca</i> in Turkey	Sara E. Silva Using genomics to understand environmental adaptation of Iberian bumblebees and assess the impact of the use of commercial lineages for crop pollination	Lars Chittka: Sex-specific utilization of subtle cues in foraging bumblebees
12:35-12:55	Diego Cejas: Cross-species amplification of microsatellite loci in different species of bumblebees (genus <i>Bombus</i> Latreille, 1802)	Tim Regan: Sequence Analysis of the Holobiome of British Honey Bees	Adam Tofilski: Observation of wing movements during honey bees' waggle dances with use of a high speed camera
13:00-15:00	Lunch (Napoca Hotel) by EurBeeBus from University parking ←		
15:00-15:45	Plenary lecture Franco Mutinelli: Small Hive Beetle in Italy (<i>Aula Magna</i>)		
15:45-16:30	Plenary lecture Simon Potts: Supply and demand of Pollination Services (<i>Aula Magna</i>)		
16:30-17:00	Coffee break (Library Hall)		
17:00-17:15	Denis Michez: Genetic variability of European bees with different level of diet specialization and range size	Ricarda Scheiner: Tyramine and honeybee behavior – important functions for a neglected neurotransmitter	
17:15-17:30	Silvio Erler: Large scale homogenous sperm mixing for custom design colonies?	Pierre Charnet: Voltage-gated Ca ²⁺ channels of honeybee: cloning and characterization	
17:30-17:45	Laura Jara: Effect of transhumance on the prevalence of <i>Varroa destructor</i> and the colonies genetic diversity in Iberian honeybees	Léa Tison: Effects of sublethal doses of thiacloprid on the learning and memory performances of honey bees	
17:45-18:00	Alexis L. Beaurepaire: Recombination and genetic diversity dynamics in <i>Varroa destructor</i>	Glavan Gordana: Differential effects of organophosphate diazinon on membrane and soluble acetylcholinesterase in honeybee head and thorax	
18:00-18:15	Poster Session (Life Sciences Institute Hall)		
18:15-18:30		Claude Collet: Towards an <i>in vitro</i> screening to better understand the toxicity of insecticides, improve anticipation of risk encountered by pollinators' and find alternatives	
		HaDi MaBouDi: Modelling elemental learning of honeybees by spiking neural networks of the lateral antennal lobe tract	

Population genetics – Coordinated by
Pilar de la Rua

Genomics - Coordinated by
Silvio Erler

Behavior - Coordinated by
Lars Chittka


Population genetics

Neurobiology – Coordinated by
Jean Cristophe Sandoz



Thursday 8 September 2016

Aula Magna "Mihail Șerban"

A6 Conference Room (Aula Magna Building, level 2)

08:00-09:00	Registration (Aula Magna Hall)	
09:00-09:45	Plenary lecture Matthew Webster: The genetic basis of local adaptation in <i>Apis mellifera</i>	
09:45-10:30	Plenary lecture Marcelo Aizen: The impact of invasive bees in agriculture	
10:30-11:00	Coffee Break (Library Hall)	
11:00-11:15	Pathology - Coordinated by Dirk de Graaf Marie-Pierre Chauzat : The European Union Reference Laboratory for Honey Bee health activities following the detection of <i>Aethina tumida</i> in Italy in 2014; Claudia Häussermann: Course of oogenesis in the honey bee mite <i>Varroa destructor</i> Bettina Ziegelmann: Evaluation of different application techniques and duration of action of a mating disruption based on the female sex pheromone of <i>Varroa destructor</i> ; Yamandú Mendoza: Behavioural resistance of bees is related to tolerance to <i>Varroa destructor</i> and DWV infection level in Uruguay; Paul Page: The Strength of the Weak: Social Apoptosis in the Asian Honey Bee, <i>Apis cerana</i> ; Nanetti Antonio: A citizen science experience on "Varterminator", a new antivarroa medicament Bettina Ziegelmann: Lithium chloride - a new perspective for managing <i>Varroa destructor</i> ? Michele Mortarino: Effect of Neem (<i>Azadirachta indica</i>) oil on varroamite development in field conditions	Pollinators ecology - Coordinated by Pilar de la Rúa Robert Brodschneider: C.S.I. Pollen: Studying pollen diversity available for honey bee colonies in Europe using a Citizen Science approach Lina De Smet: Spatially-explicit analysis of the relation between honeybee health and environmental variables in Belgium Reet Karise: Pesticide contamination in beehives is not depending on agricultural intensity Laura Jones: Investigating the foraging preferences of honey bees using pollen DNA metabarcoding Orawan Duangphakdee: The species diversity and economically utilization of stingless bees in Thailand Stavrinides C. Menelaos: Biodiversity of wild bees of Cyprus: past, present and future Arnon Dag: The importance of fatty acids to honeybee nutrition Discussions
11:15-11:30		
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12:45-13:00		
13:00-15:00	Lunch (Hotel Napoca) by EurBeeBus from University parking 	
15:00-23:30	Visit to Salt Mine Turda and Romanian Traditional Evening at "Sarea in Bucate" Restaurant http://sarea-nbucate.ro/	

Thursday 8 September 2016

	Life Sciences Institute "Regele Ferdinand" Amphitheater	Life Sciences Institute "Regina Maria" Amphitheater	University Library Library Amphitheater
11:00-11:15	Laetitia Papoutsis: Is the possible genetic variability of <i>Varroa destructor</i> associated with this of <i>Apis mellifera</i> ?	Anja Buttstedt: All the royal makings of a queen – Royalactin does not a honeybee (<i>Apis mellifera</i>) queen make	Manuel Trischler Reversed behavioral fever in a eusocial insect? Deformed wing virus infected honey bee workers prefer cooler temperatures
11:15-11:30	Helene Delatte: Genetic diversity and structure of <i>Apis mellifera</i> in the South West Indian Ocean islands	Saorla Kavanagh: Bioactive and physiochemical properties of Irish <i>Apis</i> and <i>Bombus</i> honeys	Rva Seltzer: Assessing the genetic effects of hygienic behavior: combining methods of classical breeding and artificial insemination
11:30-11:45	Alice Pinto: Patterns of Iberian honey bee variation inferred from the coding regions of whole mtDNA genomes: comparison with the popular intergenic tRNA ^{leu} -cox2 region	Janko Bozic: Functional stratification of bee bread pellets	Melissa Oddie: Recapping behavior in European honey bees surviving <i>Varroa destructor</i>
11:45-12:00	Dora Henriques: Genome-wide detection of signatures of selection in non- synonymous positions of iberian honey bee (<i>Apis mellifera iberiensis</i>)	Annelv Brandt: The neonicotinoid clothianidin affects royal jelly composition and reduces hypopharyngeal size and brood development in <i>Apis mellifera L.</i>	Fany Mondet: Specific cues associated with honey bee social defence against <i>Varroa destructor</i> infested brood
12:00-12:15	Melanie Parejo: Selecting highly informative SNP panels for honey bee conservation management	Christina Kast: Pyrrolizidine Alkaloids in honey and bee-collected pollen produced at apiaries where <i>Echium vulgare</i> is abundant	Meral Kekechoglu: The control of <i>Varroa mite</i> (<i>Varroa Destructor</i>) in hygienic honeybee colonies
12:15-12:30	Discussions	Carmen Muresan: Biochemical characterization of MRJP1 and MRJP2 of <i>Apis mellifera</i>	Monica Kos: Effect of cerium (IV) oxide nanoparticles on the feeding behaviour and selected enzyme activities of Carniolan honey bee workers <i>Apis mellifera carnica</i>
12:30-12:45		Mohamed Javed Ansari: Jujube honey improves lipid profile of high fat diet-induced hypercholesterolemia in Wistar rats	Discussions
12:45-13:00		Discussions	
13:00-15:00	Lunch (Hotel Napoca) by EurBeeBus from University parking  		
15:00-23:30	Visit to Salt Mine Turda and Romanian Traditional Evening at "Sarea in Bucate" Restaurant http://sarea-nbucate.ro/		

Population genetics – Coordinated by
Pilar de la Rúa

Bee products - Coordinated by
Otilia Bobis

Behaviour - Coordinated by
Lars Chitka

Friday 9 September 2016

Aula Magna “Mihail Șerban”

*Life Sciences Institute
“Regina Maria” Amphitheater*

*Life Sciences Institute
“Regele Ferdinand” Amphitheater*

09:00-09:45	Plenary lecture Olav Rueppell: Genomic Explorations of <i>Apis</i>		
09:45-10:00	Joachim de Miranda: DWV quasi-species evolution during serial transmission: Radiative bursts, conservative selection, defective genomes and symptom attenuation	Ahmet Guler: Discrimination of unknown honey samples by using constant and discriminative function coefficients of pure and adulterated honeys produced by bee (<i>Apis mellifera</i> L.) colonies feeding	Kaspar Bienefeld: The Smartbees project
10:00-10:15	Pathology Anne Dalmon: First evidence of recombination hotspots and positive selection in Deformed wing virus (DWV)	Bee Products Sang Mi Han: Anti-wrinkle effects of purified bee venom on facial wrinkles	SMARTBEE Desiderato Annoscia: <i>Varroa destructor</i> and Deformed Wing Virus are linked in a mutualistic symbiosis accounting for their major role in honeybee colony collapses
10:15-10:30	Karel Schoonvaere: Unbiased metagenomics in social and solitary wild bees detects associations with eukaryote parasites and new viruses	Meral Kekecoglu: Evaluation of therapeutic effects of propolis against alpha amanitine toxicity in rats	Adrian Siceanu: Preliminary study regarding infestation level of <i>Varroa (Varroa destructor)</i> correlated with honeybee colonies survival in a case study in Romania
10:30 -11:00	Coffee Break (Library Hall)		
11:00-11:15	EurBee Meeting		
11:15-12:00	Plenary lecture Jean Christophe Sandoz: How do bees perceive the olfactory world? A behavioural and neurophysiological account		
12:00-13:00	Poster session (Life Sciences Institute Hall)		
13:00-15:00	Lunch (Hotel Napoca) by EurBeeBus from University parking		

Friday 9 September 2016

Aula Magna "Mihail Șerban"

*Life Sciences Institute
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15:00-15:45 Plenary lecture Maria Campos: Bee pollen Standard Methods: State of the art			
15:45-16:00	Robert Paxton: Overwinter honey bee loss caused by a more virulent DWV: genotype B (aka VDV-1)	Bee products	Thomas Vezeteu: Royal jelly and its growth inhibiting effect on European Foulbrood bacteria
16:00-16:15	Ibrahim Youssef: Toward a reverse genetic system for Chronic Bee Paralysis Virus molecular studies		Adriana Aurori: Naturally BQCV infected honeybees, a useful model system to screen for antivirals of plant origin
16:15-16:30	Philippe Bullet Identifying stressors and effectors of the honeybee immune response, through mass spectrometry, may represent a promising solution for bee health monitoring: HematoBeeTest Project		Miguel Llorens-Picher: Is it all pure wax from Africa?
16:30-17:00 Coffee break (Library Hall)			
17:00-17:15	Fani Hatjina: Lab vs. field - Evaluation of the effects of sub lethal imidacloprid doses on nurses bees	SMARTBEE	Jakob Wegener: Proteomic analysis of hygienic behaviour in <i>Apis mellifera carnica</i>
17:15-17:30	Fabio Sgolastra: Synergistic effects of a neonicotinoid and an EBI fungicide in honey bees, bumblebees and red mason bees		Marina Meixner: Genetic and morphometric variation of <i>A. mellifera mellifera</i> across its range
17:30-17:45	Geoffrey Williams: Neonicotinoid pesticides serve as insect contraceptives: effects on male honey bees		Aleksander Uzunov: Genetic improvement of European honey bee (<i>Apis mellifera L.</i>) populations
17:45-18:00	Ales Gregorc: Diet Quality and Effects of Pesticides Coumaphos and Imidacloprid on Honey Bee (Hymenoptera: <i>Apidae</i>) Mortality in Laboratory Experiments		

From 20:00 Banquet at Hotel Napoca

Conference organized in collaboration with:



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