

68. Jahrestagung der Arbeitsgemeinschaft der Institute für Bienenforschung e.V.

Mittwoch 24. März 2021

Zoomraum 1		Zoomraum 2	Zoomraum 3
09:00	Grußworte (M. Meixner, T. Ellmann, C. Westphal)		
09:15 - 10:00	Eröffnungsvortrag: SARA DIANA LEONHARDT <i>A matter of taste? - Does the nutritional quality of floral resources play a role for bee health and performance?</i>		
10:00	<i>Pause</i>		
	Session 1: Ökologie, Bestäubung, Wildbienen Chair: Catrin Westphal	Session 2: Genetik und Zucht Chair: Marina Meixner	Session 3: Bienenpathologie Chair: Elke Genersch
10:15	Ina Heidinger: Perennial wildflower mixtures providing energy for humans and flower visiting insects	Ivelina Ivanova: Use of <i>Apis mellifera</i> drone's olfactory sensitivity towards pathological odours as a selection trait in the breeding against Varroa destructor	Hannes Beims: Abundanz verschiedener Viren in der Königinnenzucht
10:30	Johanna Lill: The bees are buzzing in the air: Is the bioenergy crop Sorghum bicolor an attractive pollen source for honeybees (<i>Apis mellifera</i> L.)?	Martin Gabel: Mechanisms of Varroa-resistance – from biological principles to practical usage	Viktoria Walther: Prevalence of viruses in black honey bee colonies on the Canary Islands with or without a conservation programme
10:45	Nicole Beyer: Past and present mass-flowering crop cultivation effects on bee pollinators and their pollination services	Manuel Du: Challenges in heritability estimations for honey bees	Anja Tehel: Experimental infection reveal viral spill-over from honey bees to bumble bees but no spill-back
11:00	Margaux Tréguay: Landscape and crop identity effects on trap nesting bees	Birgit Gessler: SETBie: Innovative combination of classical breeding, genetic analysis and evaluation in the practice	Carolin Rein: Happy hive – happy life: state of knowledge about Lithium Chloride as a new Varroa treatment
11:15	Felix Klaus: Vergleich von Blümmischungen für Wild- und Honigbienen in der Agrarlandschaft	Richard Bernstein: Validating Genomic Selection for Honey Bees	Lina Sprau: Varroa sensitive hygiene (VSH) and recapping behaviour are not triggered by the reproduction status of the Varroa mite (<i>Varroa destructor</i>)
11:30	<i>Pause</i>	<i>Pause</i>	<i>Pause</i>
11:45	Samuel Boff: Chronicle exposure to a new classe of pesticide may imposes severe risks to foragers of wild bees	Andreas Hoppe: Substantial genetic progress in the international <i>Apis mellifera carnica</i> population since the implementation of genetic evaluation	Blitzvorträge: Fleites-Ayil: Presence of RNA viruses in Africanized honey bees and a native stingless bee species of the Yucatan Peninsula, Mexico., Blumenschein: Comparison of different varroa treatments in summer and winter, Genath: Ergebnisse einer Proteomanalyse des Ektoparasiten Varroa destructor nach einer Ameisensäurebehandlung
12:00	Carmen Kirsch: The effects of fertilization, arbuscular mycorrhiza-fungi (AMF), and pollination in strawberries (<i>Fragaria ananassa</i>)	Victoria Viert: Europe's First Gene Bank for Honeybees	Blitzvorträge: Grünke: A new method for the extraction of hemolymph from adult honeybees to analyze lithium contaminations after Varroa treatment, Ehrenberg: Looking for a needle in a haystack – production, selection and characterization of specific monoclonal antibodies for detection and distinction of American and European foulbrood, Schäfer: Molecular diagnostic test for detection of <i>Malpighamoeba mellificae</i> PRELL
12:15	Henri Greil: Zur Situation von Wildbienen in urbanen Räumen am Beispiel des Forschungsmodellprojekts „Bienenstadt Braunschweig“	Jakob Wegener: Delayed flight-time as an alternative method of controlled honeybee mating	
12:30	Monika Weber: Impact of different anthropogenic land use and impervious surface on urban wild bee communities	Marina Doris Meixner: A comparative study of survival, colony performance and disease levels in the endemic honeybee <i>A. m. ruttneri</i> and the introduced <i>A. m. ligustica</i> in Malta	
12:45	Vera Joedecke & Manuel Treder: Practical approaches to promote pollinator diversity in urban areas by using perennials	Teweldemedh Hailu: Insights into Ethiopian honey bees based on morphometric and genetic analyses	
13:00	Melanie Marquardt: Occurrence of wild bees in the city of Stuttgart and ornamental plants as a potential food source	Blitzvortrag: Degirmenci: Investigation of two honeybee sugar receptors with CRISPR/Cas9	
13:15	<i>Mittagspause</i>	<i>Mittagspause</i>	
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14:15	Mittagspause Mittagspause	Mittagspause Mittagspause
	Session Ökologie, Bestäubung, Wildbienen Chair: Catrin Westphal	Session 5: Physiologie und Verhalten Chair: Bernd Grünewald
14:15	Blitzvorträge: Siede: Insektenfreundliche Bioenergieerzeugung auf dem Acker: Mischanbau von Sorghumhirsen mit blühenden Untersaaten, Rongstock: Floral resources in urban and agricultural environments – Influences on the nest-growth of <i>Bombus terrestris</i> , Grauberger: Attractivity of native and non-native Acer and Tilia species for bees	Martin Ziron: Verhaltensuntersuchungen zur Häufigkeit und Dauer des Ausfliegens der Bienenkönigin zum Begattungsflug
14:30	Blitzvortrag: Loidolt: Silver linden trees and bumblebee mortality Wechselzeit	Paul Siefert: Live imaging of <i>Apis mellifera</i> embryogenesis - Investigating the role of acetylcholine in honey bee development
	Session 4: Bienenenschutz und Pflanzenschutz + Bienenprodukte Chair: Jens Pistorius	Fortsetzung Session Physiologie und Verhalten Chair: Bernd Grünewald
14:45	Alina Komm: The current status of the <i>Apis mellifera</i> subspecies in their native range	Anika Meyer: Effect of tergal gland esters on honey bee worker fertility
15:00	Harmen Pieter Hendriksma: Honigbienenvitalitätsmonitoring in Raum und Zeit	Gina Retschnig: The dose makes the poison: supplementary feeding with probiotics/vitamins and longevity/body weight of winter honey bees, <i>Apis mellifera</i>
15:15	Norman Tanner: Improved method for routine honey analysis by FTIR-spectroscopy	Wolfgang Blenau: AmOcta2R: Charakterisierung eines Honigbienen-Octopamin-Rezeptors, der die Adenylatzyklase-Aktivität hemmt
15:30	25 min Kaffeepause	25min Kaffeepause
15:55	Blitzvortrag Höcherl: Bee Warned – the monitoring system for exotic bee pests in Bavaria – what’s next?	Blitzvortrag Rodríguez: Nutritional conditions modulate responses of different bee species to exposure of plant protection products
16:00	Blitzvorträge Schierling: Contaminants in bee pollen – is that still healthy?, Friedle: Pesticide Residues in Bee Pollen from Baden-Wuerttemberg, Kunz: Bienenenschutz: Risikobewertung von Pflanzenschutzmitteln	Svenja Bänsch: Honey bee foraging behavior during and after mass-flowering in agricultural landscapes
16:15	Anna Wernecke: The potential of adjuvants to increase insecticidal effects on honey bees in laboratory contact toxicity tests	Anna Friedel: Do intruders modify the foraging behaviour of the socially polymorphic orchid bee <i>Euglossa viridissima</i> ?
16:30	Charlotte Steingeweg: Assessment of the impacts of microbial plant protection products containing <i>Bacillus thuringiensis</i> on the gut microbiome and the survival of honeybees	Victoria Seeburger: Understanding the Influence of the Environment on the Formation of Melezitose
16:45	Denise Castle: Nutritional conditions modulate responses of different bee species to exposure of plant protection products	Thais Chaves: Differences in the feeding preference of summer and winter bees toward nectar and honeydew
17:00	Blitzvorträge: Eckert: Comparative exposure of honey bee brood (<i>Apis mellifera</i> L.) to pesticides under semi-field and field conditions, Illies: Risk to honeybee colonies during control of the gypsy moth (<i>Lymantria dispar</i>) with Mimic®, Odemer: Chronic high glyphosate exposure delays individual worker bee development under field conditions	Eduard Musin: Olfactometer for honeybee drones in a flight-like scenario
17:15	Abdulrahim Alkassab: Large scale study comparing the exposure level of honeybees, bumblebees and solitary bees after application of a tank mixture of thiacloprid-prochloraz	Blitzvortrag: Senger: Anomalieerkennung auf Grundlage von Sensordaten
17:30	Silke Andree-Labsch: The Digital Beehive project – using sensor data to understand side effects of plant protection products on honey bees	
17:45	Blitzvorträge: Manzer: Effects of multiple stressors on honeybees, Treder: Effects of chronic radiofrequency electromagnetic radiation (RF-EMF) on honey bees	
18:00	Abschlusspodium mit Session Highlights	
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