



SEPTEMBER 24th, 2025 – Wednesday

AUDITORIUM 15 SYMPOSIUM / BEE BIOLOGY 09:00 – 10:30 Genetics-1

- 09:00 – 09:15 Honeybee blood under the microscope: Characterizing hemocytes through surface protein profiling
Dirk C. de Graaf – *Belgium*
- 09:15 – 09:30 From genomes to holobionts: can the reanalysis of large-scale bee sequencing projects open new perspectives?
Thibault Leroy – *France*
- 09:30 – 09:45 Global discovery, expression pattern, and regulatory role of miRNA-like RNAs in {*Ascosphaera apis*} infecting the Asian honeybee larvae
Jianfeng Qiu – *China*
- 09:45 – 10:00 An unparalleled survey of honey bee genetic diversity in Europe – insights from wing shape, nuclear whole genome, and mitochondrial DNA data
M.Alice Pinto – *Portugal*
- 10:00 – 10:15 Genetic diversity and population structure of *Apis cerana* complementary sex determiner (*csd*) genes in China
Chao Chen – *China*
- 10:15 – 10:30 Generating a comprehensive metagenome-assembled genome (MAG) catalogue of the honey bee gut
Jorge Langa – *Spain*

SEPTEMBER 24th, 2025 – Wednesday

AUDITORIUM 15 SYMPOSIUM / BEE BIOLOGY 11:00 – 13:00 Genetics-2

- 11:00 – 11:15 Embryogenesis of haploid honey bee (*Apis mellifera* L.) takes longer than diploid worker
Yanna Chu – *China*
- 11:15 – 11:30 The Development of Brain Structure in Worker Honey Bees: A Micro-CT Study of Neuropil Volume Dynamics
Shang Jui Fu – *Taiwan*
- 11:30 – 11:45 Whole genome sequencing reveals resilience of European honeybees to climate change
Matthew T. Webster – *Sweden*
- 11:45 – 12:00 Unraveling the modulatory manner and function of circRNAs in the Asian honey bee larval guts
Rui Guo – *China*
- 12:00 – 12:15 Impact of viruses on recapping behaviour
Amélie Noël – *Sweden*



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- 12:15 – 12:30 Implementation of an extended SNP Panel for the genetic monitoring of honeybees and its application to *A. mellifera mellifera* and *A. mellifera carnica* samples across Europe
Jana Vanessa Huml – Egypt
- 12:30 – 12:45 Construction of a full-length transcriptome of Western honeybee and improved genome annotation
He Zang – China
- 12:45 – 13:00 ame-miR-5119-Eth axis modulates larval-pupal transition of western honeybee worker
Jianfeng Qiu – China

SEPTEMBER 25th, 2025 – Wednesday

AUDITORIUM 15
17:00 – 18:30

SYMPOSIUM / BEE BIOLOGY
Nutrition, Microbiome and other interactions-1

- 17:00 – 17:15 Dietary omega-6:3 fatty acids ratio affects honey bee (*Apis mellifera*) spatial cognition: maze and landmark learning
Sharoni Shafir – Israel
- 17:15 – 17:30 Effect of vitamin A and nutraceuticals on learning, memory retention, and foraging behavior of honey bees (*Apis mellifera*)
Ernesto Guzman-Novoa – Canada
- 17:30 – 17:45 Effects of various fall feeding sugar sources on survival, health, and performance of honey bee colonies (*Apis mellifera* L.)
Laurence Plamondon – Canada
- 17:45 – 18:00 Influence of different diets on the growth and development of Eastern honey bee (*Apis cerana*)
Guiling Ding – China
- 18:00 – 18:15 Honey bee selection for sustainable and high-quality royal jelly production
Benjamin Basso – France
- 18:15 – 18:30 Variations in amino acid and lipid profiles of honey bee hemolymph and gut microbiome composition in response to different dietary protein sources
Kristýna Myslíňová – Czech Republic

SEPTEMBER 26th, 2025 – Wednesday

HALL A1
09:00 – 10:30

SYMPOSIUM / BEE BIOLOGY
Nutrition, Microbiome and other interactions-2

- 09:00 – 09:15 The young and stressed making bad decisions: Effects of *Vairimorpha ceranae* on worker honey bee (*Apis mellifera*) foraging behaviours
Jemma Todoschuk – Canada



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- 09:15 – 09:30 Microbial Community Profiling of *Tetragonula biroi* (Friese) Hives: Insights from Pollen-Microbiome Interactions
Kiara Nicole Rodriguez – *Philippines*
- 09:30 – 09:45 Mitigating the deficiency of high-quality floral pollen through a new approach to honey bee rearing with artificial pollen diet containing animal protein
Bajaree Chuttong – *Thailand*
- 09:45 – 10:00 Dual effect of {S}-methyl-L-cysteine sulfoxide from rapeseed nectar on honey bee health
Jaroslav Havlík – *Czech Republic*
- 10:00 – 10:15 Extensive influence of microsporidian infection on sucrose solution consumption antioxidant enzyme activity, cell structure, and lifespan of Asian honeybee
Xiaoxue Fan – *China*
- 10:15 – 10:30 Overwintering Strategies for Honey Bees in the Yukon Subarctic: A Data-Driven Analysis
Etienne Tardif – *Canada*

SEPTEMBER 26th, 2025 – Friday

- HALL A2** **SYMPOSIUM / Bee Biology**
14:30 – 16:30 **Stingless and other bees 2**
- 14:30 – 14:45 {Free-B}: Studying free-living honey bee colonies to safeguard diversity, ensure resilience, and promote transformative change in beekeeping
Steve Rogenstein – *Sweden*
- 14:45 – 15:00 Genomic Analysis of Wild Bee Populations in Scandinavia Informs Biodiversity Conservation
Yuanzhen Liu – *Denmark*
- 15:00 – 15:15 Optimization of In-Vitro Rearing of Indo-Malaya Stingless Bee (*Heterotrigona itama*) Queen: A Strategy to Improve the Meliponiculture Management and Conservation of Insect Pollinator in Tropical Landscapes
Wahizatul Azmis – *Malaysia*
- 15:15 – 15:30 Spatio-temporal population genetics of solitary bees to investigate the impact of *Osmia* spp. management
Asia Piovesan – *Switzerland*
- 15:30 – 15:45 Resilience and Adaptation of Wild Honeybees: A 7-Year Study at the Galbreath Wildlands Preserve (2021-2028) and Its Implications for Apiculture and Conservation
Michael Thiele – *USA*
- 15:45 – 16:00 Beelining in the bush: Wild honey bee nest natural history and turnover in South Africa
Kaylin Kleckner – *USA*
- 16:00 – 16:15 Giant Honeybees of Asia: Based on Morphological and Genetic Study



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COPENHAGEN

Nyaton Kitnya – India

16:15 – 16:30

The memory of a wild honey bee and its strength today!

Carlo Amodeo – Italy

SEPTEMBER 27th, 2025 – Saturday

AUDITORIUM 15

11:00 – 13:00

SYMPOSIUM / BEE BIOLOGY

Breeding, selection and conservation

11:00 – 11:15

Distribution and conservation status of *Apis mellifera* populations in Italy

Giovanni Cilia – Italy

11:15 – 11:30

Mitochondrial DNA Variability in the Honey bee (*Apis mellifera*) L.,
Implications for Conservation

Cristina Vella – Malta

11:30 – 11:45

Exploring the genetic landscape of honeybees in Ivory Coast

Kamila Canale Tabet – Côte d'Ivoire

11:45 – 12:00

A dynamic picture of the diffusion of (*Apis mellifera*) mitochondrial DNA
lineages in Italy over the last few decades utilizing honey as a source of honey
bee population genetic information

Luca Fontanesi – Italy

12:00 – 12:15

Hybridization of honey bees in southwestern Asia

Adam Tofilski – Saudi Arabia

12:15 – 12:30

Vitellogenin as a Physiological Marker of Swarming in Honey Bees (*Apis mellifera*)

Katrina Klett – USA

12:30 – 12:45

Status Report on BeeGuards Innovative Breeding Strategies

Raffaele Dall'olio – Italy

12:45 – 13:00

Integrated Breeding Strategy for *Apis mellifera*: Towards Sustainable
Beekeeping

Ségolène Maucourt – Canada

SEPTEMBER 27th, 2025 – Saturday

HALL A2

14:00 – 15:00

SYMPOSIUM / Bee Biology

Breeding, selection and conservation

14:00 – 14:15

Optimizing anesthetic effects of carbon dioxide to honey bee (*Apis mellifera*
L.)

Yu Fang – China

14:15 – 14:30

Conservation status of the honey bee subspecies native to the Mediterranean
islands

Dora Henriques – Portugal



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14:30 – 14:45

Relative effects of the queen and brood on honey bee worker ovary suppression

Shelley Hoover – *Canada*

14:45 – 15:00

Genetic Selection and Immune Mechanisms: A Scientific Approach to Enhancing Honeybee Resilience Against Viral Infections and Environmental Stressors

Giacomo Acerbi – *Italy*