

Monday, 17 August 2026						
	Hall 4 (S27)	K6 (S28)	K7 (S23)	K8 (S04)	K9 (S25)	K10 (S14)
08.45	Opening + Plenary 1: "Investigating the origin of eusociality in Hymenoptera" J. Field (Hall 4)					
10.00	Coffee Break					
10.15	Genetic diversification of ectoparasitic mites (<i>Varroa</i> spp.) across honey bee species and populations A. Beaurepaire	Species diversity and evolutionary history of termitophilous rove beetles associated with Hodotermopsis termites T. Kanao	Complex effects of climate on bumblebee fitness R. Archer	Genome regulation and the evolution of social behavior in bees B. Jones	Thermal tolerance of Sino-Indomalayan ants across latitude, ecological strata and exotic status A. I. Weemaels	Variation in social organization and supergene control along a latitudinal gradient J. Purcell
10.30		Endless forms most bloated: insights on diversity and evolutionary significance of post-imaginal growth in termitophilous beetles B. Zilberman		Juvenile hormone signaling and social complexity in the Hymenoptera Y. Shalem*	Impact of two supercolonial species of the <i>Tapinoma nigerrimum</i> complex on soil epigeal fauna G. Destour	
10.45	Who is the host and who is the vector? Bacterial communities and pathogens in wild bees and honey bees of a mountain region F. Royer*	Post-imaginal growth and convergent abdominal appendages in termitophiles J. Rainey	Ant behaviour in the Anthropocene: A meta-analysis of human-induced environmental change effects on ant behaviour N. Châline	Decoding the building blocks of social dominance in queenless bumble bee colonies (<i>Bombus impatiens</i>) I. Traniello	Population genomics of Mediterranean Pheidole ants reveals complex patterns influenced by human history M. Menchetti	Multi-level selection drives supergene-mediated social and dispersal polymorphism in the ant <i>Myrmecina graminicola</i> B. Duquenois
11.00	Pathogens and Ants: Does antimicrobial investment across ant species predict susceptibility against fungal entomopathogens? D. Kahvazadeh	Disentangling the co-phylogenomics of termitophilous rove beetles (subfamily Aleocharinae) and their termite hosts O. F. Saenz-Manchola	Asphalt Ecology: Trait Syndromes Behind Urban Ant Success C. Penick	Social insect castes evolved by re-timing ancient, seasonally expressed pathways A. Mattens	Supercolony formation in invasive <i>Tapinoma magnum</i> ants V. Nehring	Introgression of color pattern alleles generates extreme phenotypic diversity mediating visual individual recognition in a paper wasp M. Sheehan
11.15	Interacting Parasites, Host Genetics, and Gut Microbiomes Shape Contrasting Population Trajectories in Wild Bumblebees M. L. Nesbit	Exploring microbial and functional adaptations in termitophilous beetles within microbe-termite-termitophile tripartite symbiotic system S. Shivali*	Effects of environmental features on social insects: from species and communities to ecological processes S. Nooten	Transcriptomes of solitary and social halictid bees support the ovarian ground plan hypothesis as mechanistic explanation for the evolution of eusociality M. Khodadadi*	Behavioral mechanisms underlying competition between <i>Lasius niger</i> and <i>Linepithema humile</i> M. Cordonnier	Remote control of complex social behavior from outside of the brain: Lessons from functional genomics in Polistes A. Toth
11.30	Beyond eusocial hosts: metagenomic evidence of trypanosomatid spillover in a bee community F. A. F. Ayil	Drivers of Myrmecophile Diversity and Abundance in Wood Ant Nests (<i>Formica rufa</i> group) M. Opolka	Termite abundance and species distribution along an altitudinal gradient in northern Morocco A. Najjari	The genomic basis of termite sociality A. Mikhailova	Argentine ant invasion decreases seed dispersal but not other ant-dominated ecosystem processes T. Czaczkes	The genomic architecture of ant social organization: insights from the <i>Formica</i> supergenes M. Chapuisat
11.45	Changes in Floral Traits and Pollinator Behavior Induced by Plant Virus Infection M. Inoue	Abundance and diversity of metazoan microfauna in ant mounds of <i>Formica lugubris</i> Zetterstedt, 1838 N. Jozić	Microclimates as thermal refugia: behavioral plasticity in wood ants under climate change C. Bertelsmeier	Large-scale genomic rearrangements may be the basis for reproductive isolation in the <i>Pogonomyrmex</i> dependent-lineage system F. Glinka	An invader under pressure: exploring the consequences of an emerging fungal parasite on an invasive ant species in Europe B. Nézel	Development and individual experience combine to shape defensive behavior phenotypes during worker-to-soldier differentiation in termites I. B. da Silva
12.00	<i>Nosema ceranae</i> infection alters honey bee (<i>Apis mellifera</i>) queen behavior and reproductive capacity J. Rangel	The uninvited guest ant - population genetics of the wood ant commensal <i>Formicoxenus nitidulus</i> E. Robinson	Socio-ecological Priming of Heat Stress Responses in a Facultatively Eusocial Bee R. Weinstock	Intraspecific variation in recombination landscapes in the California harvester ant, <i>Pogonomyrmex californicus</i> M. Erbil	Large-scale invasive ant control with cognitive intervention of <i>Linepithema humile</i> in Spain L. Pedraza*	The effects of juvenile hormone treatment on caste development in <i>Cardiocondyla obscurior</i> ants D. Joglekar*
12.15	Lunch Break					
13.15	Plenary 2: "How can ants help to address open questions in speciation and hybridization?" J. Kulmuni					
14.15	Coffee Break					
	Hall 4 (S27)	K6 (S28)	K7 (S23)	K8 (S04)	K9 (S25)	K10 (S14)
14:30	Bumble bee hygienic behaviour induced by colony exposure to a bacterium-based biopesticide S. Erler	What limits myrmecophile abundance in ant nests? E. Wright	Infrared thermal ecology and evolution of ants and their prospects of climate resilience T. McGlynn	Transgenerational epigenetic inheritance in caste determination of termites K. Matsuura	Population Genetics of the invasive European paper wasp S. Miller	The proximate bases of colony sex ratio in <i>Formica selysi</i> M. Negroni
14.45		Spies inside army ant raids: Eavesdropping on the help pheromone of injured ants J. J. Lagos-Oviedo*	Distribution and thermal tolerance of two wood ant species and their hybrids in Southern Bavaria A. Crhönková	Gene duplication and caste-specific gene regulation in termite social evolution K. Maekawa		Regulatory plasticity underlying caste and sex determination in social insects J. Dominici*
15:00	Transmission in Action: What pathogen mimics can show about disease spread L. Lindorfer*	The dynamic associations between social insects and their arthropod guests during introductions and invasions T. Parmentier*	Thermoregulatory mechanisms in termites and its effects on termites' distributions on some species of termites found in the savannah I. P. Aiki	lncRNAs contribute to caste differentiation as a regulatory layer in ants G. Ding	Invasive social wasp inventory of the South Pacific isles M. Detoni	Repeated evolution of supergenes on an ancient social chromosome E. Privman
15:15	Immune heterogeneity shapes disease spread in clonal ant societies T. Zeferino	Host-side optimization promotes acceptance of social parasites: Insights from signal detection theory T. Nakazono*	Niche and spatial segregation define the distribution of sympatric red wood ant species E. Nalini*	The evolution of queen-worker dimorphism in ants T. Linksvayer	Investigating behavioral, ecological and abiotic factors influencing mating success in an invasive social yellowjacket wasp (<i>Vespula pensylvanica</i>) E. W. Rankin	Parasites exploit plasticity to reprogram social wasps into extended phenotypes F. M. Uy

Monday, 17 August 2026 (cont.)						
	Hall 4 (S27)	K6 (S28)	K7 (S23)	K8 (S04)	K9 (S25)	K10 (S14)
15:30	Evasion of behavioural disease barriers facilitates cross-species virus spillover D. Schläppi	Understanding the behavioural integration of a paper wasp social parasite into the dominance network of the host colony V. Schianini*	Interactions between wood ants and bark beetles: Eco-evolutionary implications on forest ecosystems M. Schebek	Evolution of social parasitism in the leaf-cutting ants D. M. Rodriguez	The continuing worldwide invasion of <i>Vespa velutina</i> hornets G. Otis	Population Genomics of the social parasite <i>Vespula squamosa</i> and host <i>V. maculifrons</i> P. Caine
15:45	Immune Priming in a Clonal Ant T. H. Ng	An ant social parasite helps its fungus-growing ant host with nest hygiene A. C. Goes*	Drought events reduce reproductive success of a long-tongued bumblebee species H. Korten	Evolution of sex chromosomes and chromosomal chains in termites A. K. Huylmans	Incursion and early-stage management of the yellow-legged hornet (<i>Vespa velutina</i>) in New Zealand, with a focus on eradication P. Lester	Convergent Gene Expression and Epigenetic Regulation of Raiding Behavior in Slavemaking Ants A. Kamirizadeh*
16:00	From Entrance to Queen, Spatial Organisation of Sanitary Behaviours in Ant Colonies Q. Avanzi	Evolution of Social Parasitism in a hyperdiverse clade: An integrative study of <i>Camponotus carpenter</i> ants M. P. Härtel*	Impact of heat waves on colony foundation in ants A. Roux	The evolution of inbreeding in haplodiploids T. Keaney	Naivety in the face of invasion: Western honeybee behavioural and molecular responses to the Asian hornet S. M. Versteeg*	Secondary acquisition of selfish genetic drive by an ancient social supergene in <i>Formica</i> R. Deshmukh
16:15	Do bumblebees care? Wound care and social immunity in social bees A. Müller*	Interaction dynamics among social parasites sharing a common host ant Y. Takaishi	The sand termite <i>Psammotermes allocerus</i> shows extraordinary resilience in the extreme environment of the Namib Desert F. Gunter*		Activated Charcoal: A Highly Potent Legal Alternative for <i>Vespa velutina</i> Nest Destruction U. Ernst	The enigmatic conserved region of <i>Cardiocondyla</i> genomes I. Kaufhold*
16.30	Coffee Break					
16.45						
17.00	Joan Herbers Lecture	Poster Session A (Lobby)				
17.45						
	Section Assemblies					
18.45	Freiburg Bingo					

Tuesday, 18 August 2026						
	Hall 4 (S27)	K6 (S17)	K7 (S23)	K8 (S04)	K9 (S20)	K10 (S07)
08.45	Hamilton Award: "The long reach of social insect research" J. Strassman (Hall 4)					
10.00	Coffee Break					
10.15	Manipulation of carpenter ant social behaviours by a specialized fungal parasite C. de Bekker	The importance of being heterogeneous: the surprisingly complex phase behaviour of insect cuticular hydrocarbons F. Menzel	From North to South: How Does Temperature Affect Ant Communities in the Western Palearctic, and to What Extent? X. Cerda	The regulation of a simple behavior toolkit is sufficient to produce the social diversity of bees D. Jorge*	Mapping the clonal raider ant brain at synaptic resolution L. Lopes	Nutritional niches reveal mutualism resilience mechanisms in urban leafcutter ants J. Shik
10.30		The evolution of cuticular hydrocarbon perception in eusocial insects J. Liebig	Impact of Thermal Stress on Early Colony Behavior in the ant <i>Lasius niger</i> R. da Silva	Pairwise social interactions and social flexibility in the sweat bee, <i>Lasioglossum baleicum</i> M. L. White*	The frontal gland in termites: Structure, Function, and Evolution J. Šobotník	
10.45	Age-controlled effects of cestode infection on different castes and age classes of the ant <i>Temnothorax nylanderi</i> B. Chitadze*	The influence of diet on cuticular profiles and recognition in wild ant colonies T. Murdock	Does heat stress induce transgenerational effect on worker behaviour in the ant <i>Lasius niger</i> ? S. Van Meyel	Nutritional specialization and social evolution in woodroaches and termites S. Li	The evolution of novel mouthpart interlocking mechanisms in ants (Hymenoptera: Formicidae) R. Keller	Answering the garden's call: Fungal cues inform nutritional decisionmaking in leaf-cutting ants A. Hinkle*
11.00	Nematode infections provoke aggression in ants B. A. Bhat*	Chemical, Behavioral, and Genetic Evidence for a Cryptic Species Complex in African carpenter ants J. Buellesbach	Quantifying the impacts of cold snaps on bumblebee colonies V. Mallinson*	Caste specialisation of cellular identities in the termite <i>Zootermopsis nevadensis</i> T. Bourguignon	Insights on the morphology of the ant digestive system from micro-CT scanning and evolutionary considerations on some of its key features A. Richter	Dynamic nutritional strategies in ants: exploring the role of plant in combating pathogens D. Nyckees
11.15	Mycobiota of <i>Formica polyctena</i> ants and their nests: insights into hidden interspecies interactions I. Siedlecki	A hydrocarbon pheromone mediates ant group cohesion M. Rossi	Behavioral responses of Argentine ants to changes in climatic factors D. G. Kontopoulos	How does early experience determine reproductive hierarchies in clonal <i>Platythyrea punctata</i> ants? P. Shit	Biometrics and Quantitative Diet of the Western African Driver Ants <i>Dorylus</i> (<i>Anomma</i>) <i>wilverthi</i> & <i>Dorylus</i> (<i>Anomma</i>) <i>sjostedti</i> S. Huber, M. Terce!*	Hints of self-medication? Foraging decisions of bumblebees with different health status K. Debeuckelaere
11.30	Ecological traits of Hypocreaceae fungi in the fungus-growing ant symbiosis M. Cruz	Social isolation is associated with distinct cuticular chemistry in bumble bees A. Larsen	Foraging activity, cuticular hydrocarbons and water stress management in the red harvester ant A. Melet	What Drives the Reproductive Division of Labor in Small Carpenter Bees? A Case Study of <i>Ceratina albosticta</i> S. A. S. Valdez	Understanding ant stinger evolution through morphology and function A. C. Ferreira	Changes in gene expression linked to foraging choices in selfmedicating <i>Lasius platythorax</i> ants J. Rissanen
11.45	Paper wasp caste plasticity and sex mediate the extent of parasitic manipulation R. J. Millena	BumbleDate: Identification of key pheromones and neural mechanisms involved in bumblebee reproduction J. Oppersma	Effects of high ground temperature on learning behaviour of <i>Camponotus aethiops</i> ants B. Jauffret*	Demographic control via brood cannibalism in ants R. C. Oliveira		From individual digestion to colony nutrition: microbial pre-digestion in the termite <i>Velocitermes heteropterus</i> I. Haifig
12.00	<i>Paenibacillus melissococcoides</i> : a new pathogen of honey bee brood? B. Dainat	Evolution of an olfactory subsystem in Hymenoptera: a potential springboard for eusociality A. Couto	Monitoring behavioural markers of environmental stress: the case of Fukushima bees M. Lihoreau	The African termite raiding ant <i>Megaponera analis</i> : Behaviour and functional ecology A. Yusuf	Phylogenomics and quantitative morphometrics of Vanuatuan <i>Strumigenys</i> trap-jaw ants reveal numerous new species and signals of an endemic adaptive radiation T. G. Pfeifer*	Can agricultural <i>Helianthus annuus</i> cultivar selection influence neighboring <i>Bombus terrestris</i> colony development? S. Husband*

Tuesday, 18 August 2026 (cont)						
	Hall 4 (S27)	K6 (S17)	K7 (S23)	K8 (S04)	K9 (S20)	K10 (S07)
12.15	Lunch Break + Mixer + Exhibition (All Day)					
13.15	Plenary 3: "Chemical causes and disease consequences of social behaviour in a clonal unit" Y. Ulrich (Hall 4)					
14.15	Coffee Break					
14:30	The microbiome of leaf-cutting ants reveals the prevalence of <i>Tsukamurella</i> and a <i>Floriccoccus</i> -like bacterium, a link between ants and stingless bees A. E. S. Cerqueira	Functional Conservation of a Long-Chain Hydrocarbon Olfactory Receptor Across Divergent Ant Species E. Beck	New and rapid techniques to uncover the macrophysiology of European ants T. R. Bishop	Major transitions in evolution and insect eusociality: new developments A. Bourke	Architecture as morphology: A comparative analysis of ant nests as extended phenotypes S. O'Fallon	Balancing the fat: how dietary fatty acid composition regulates nurses bee feeding S. Behmer
14:45	Effects of direct and indirect antibiotic-induced gut dysbiosis on bumblebee health S. Lindeboom*	Neuroethology of taste in the honey bee <i>Apis mellifera</i> : from behaviour to the neural circuits M. Pitzalis		A formal theory of group-level adaptation for obligate eusociality K. Z. Twyman	Nest architecture influences the colony-level defensive response of Honey bees P. Marting	
15:00	Integrating microbiome and host genomic data to improve selection of <i>Apis mellifera</i> resistance to Varroa parasites V. Rossier	You smell sick – The chemical and sensory bases of social immunity in the clonal raider ant S. Tretter*	Nutrition as a modulator of thermal tolerance in ants under climate change X. Arnan	The Wheeler superorganism: recent advances highlighting its conceptual relevance J. Boomsma	Combining AntWeb and Deep Learning to Reconstruct the Evolution of Ant Coloration S. Ollier	You Are What You Don't Eat: Nutritional Control of Fatty Acids in Bees and Wasps E. Levin
15:15	Microbiome influences on gene expression, social organization and behaviour in a facultatively social bee N. P. Nguyen	Exposure to non-nestmate odours changes the odorant receptor profile in <i>Acromyrmex echinator</i> ants M. Bey	The thermal biology of a giant: Heat tolerance and metabolic rate in <i>Dinoponera quadriceps</i> (Formicidae: Ponerinae) M. E. L. Vieira	A unifying framework for the evolution of metazoa and social insects, two major evolutionary transitions J. Korb	Macroecological drivers of red and black colour variation in ants T. Klafftenberger*	Nutritional Ecology of Ant-Aphid Interactions M. Willmott
15:30	Bacterial symbionts of aphids as hidden modulators of their partnership with ants C. Detrain	Cracking the chemical code of ant-aphid mutualism C. Lucas	"You're all individuals": quantifying inter- and intraspecific responses to climate to predict bumblebee thermal niches and their interactions with plants R. Gill	Shutting the door: irreversibility and the superorganism transition in ants A. C. LeBoeuf	Ecomorphological evolution in <i>Neivamyrmex</i> army ants L. Barros	Metabarcoding reveals dietary shifts and resource partitioning of urban paper wasps (Genus: <i>Polistes</i>) G. Behrendts
15:45	Reassembly of the termite gut microbiome across the molting cycle in <i>Cryptotermes secundus</i> M. H. Ansari	Characterization of variation in honeybee brood hygienic signaling in response to <i>Varroa</i> parasitism C. Garcia-Figueroa*	<i>A. mellifera</i> CHC profiles respond to the environmentally driven desiccation pressure D. Rodriguez	The honey bee as model organism for superorganismality H. Bonhoff*	Caste-related constraints and ecological divergence drive modular evolution in turtle ants A. Oliveira	Do infected bumblebees forage differently? Feeding responses to an antiparasitic compound P. M. Pinto*
16:00	Gut microbiome disruption by antibiotics reduces learning in honey bees M. Kadee*	Guest and farmer ants: Establishment, maintenance, and the threat of breakdown R. Adams	If You Can Make it There, You'll Make it Anywhere: Social Insect Adaptation to Urbanization from the Perspective of Native and Invasive Species C. Hawkings	Defining social complexity in arthropods: a consensus from expert elicitation D. Gergonne	Fossil ecomorphology enables hypothesis testing of niche evolution and displacement C. Sosiak	The taste of flowers: how bees assess the nutritional quality of pollen and why it matters S. D. Leonhardt
16:15	Characteristic microbe communities in vespid wasps facilitated by diet, not just social transmission J. Holley	Exploring wound care by <i>Pseudomyrmex</i> ants on their host <i>Vachellia</i> trees M. Kienitz	Simulated heatwaves differentially impact bumblebee sucrose responsiveness and memory K. R. Leon*	One mother for two species: obligate cross-species cloning in ants J. Romiguier		(Sea) salt of the earth: Coastal Scottish machair plant communities retain environmental sodium to attract bumblebee pollinators T. Gaetano
16.30	Coffee Break					
	Hall 4 (S27)	K6 (S17)	K7 (S23)	K8 (S11)	K9 (S20)	K10 (S00)
16:45	Temperature optima overlap in an ant host and its specialist symbiont E. Schultner	Hidden Chemists: How Stenammni Ants Synthesize Nicotinic Alkaloids? E. Vandenbroucke-Menu*	Bumblebee parasites and their distributions in a changing world A. Gkantiragas*	Superorganisms, hologenomes and phyllosymbiosis of fungus-gardening ants J. Seal	How contrasting forms of competition alter trait-mediated community assembly: insights from coexisting turtle ants S. R. Epifanio	Persistent behavioral variation among termite soldiers confronted with an intruder A. Merchant
17:00	Venom Exposure Without Collapse: Stability of Fungus-Growing Ant Microbiomes Under Social Parasitism B. Bringhurst	Evolutionary origin of terpenoid biosynthesis in termites J. Štáfková	A long-term field experiment to assess alternative treatments for a global honey bee pathogen - the <i>Varroa</i> mite E. O. Ozfen*	Elevated developmental robustness of ant queen germlines in a colonial superorganism E. van den Bos*	The impact of extinction on eusocial communities through deep time G. Fiorentino	Species-specific behavioral consistency suggests a phylogenetic component to personality in ants L. Guillermin*
17:15	Symbiont fidelity in two fungus-growing ant genera and their fungal cultivars J. Sosa-Calvo	Development of the queen pheromone composition: comparison of virgin and egg laying queens of the Western and an Asian honey bee species A. Jatsch	Commercial rearing sensitises bumblebees to pesticides D. O'Connell	Ant queen specialization is flexible and controlled by the social environment R. Libbrecht	Morphological integration and ecological filtering across Neotropical and Nearctic ant assemblages R. Probst	Blade-running: An efficient yet simple behavior to potentially combat summit disease in ants E. Csata
17:30	Field-realistic stressors alter the bumblebee gut microbial community M. A. D. Rivadeneira	Food-derived odors modulate chemical communication in the termite <i>Reticulitermes flavipes</i> Y. Mitaka	Differential sensitivity of Australian stingless bees and honey bees to dimethoate: implications for pollinator risk assessment G. Singh	Conserved regulatory architecture enables stable yet plastic caste differentiation across 150 million years of ant evolution F. Lin*		Temporal and Spatial Variation in Granivory by <i>Pogonomyrmex rugosus</i> J. King

Tuesday, 18 August 2026 (cont)						
	Hall 4 (S27)	K6 (S17)	K7 (S23)	K8 (S11)	K9 (S20)	K10 (S00)
17:45	Engineering resistance: in situ microbiome engineering to increases bee tolerance to pesticide exposure S. Hawthorne	Label-free detection of ant pheromone trails using quantitative phase imaging L. Poissonnier	No Signal: Sublethal pesticide exposure interferes with honeybee worker responses to queen mandibular pheromone Z. Hudson*	Common principles of disease defence in insect colonies and individual organisms S. Cremer	Morphological patterns across social origins in snapping shrimp C. Bailey	From soil to canopy: ecology and evolution of nesting in ants E. Pérochon*
18:00	Characterising effects of <i>Pantoea</i> bacteria on pathogen infection in bumble bees Z. Smeele	Genomic drivers of parasitic behaviors in bees: evidence from gene family dynamics and selection patterns F. C. Dias*	Delayed but successful: Resilience of ant colonies facing a biotic stressor to an abiotic stress E. Halder*	The roads to superorganisms: an evo-devo perspective from termites B. Qiu	Key innovations in the rise of ant societies A. Matte	Do driver ants function as keystone predators in African rainforests? M. Tercel
18:15	The Two-Tier Dose-Response: Bumblebee Survival and Microbiome Shifts Under Contaminant Stress C. Fryday*	Insights into the molecular underpinnings leading to the diploid drone discrimination in the western honey bee <i>Apis mellifera</i> M. Jung	Too hot, too cold, or good enough: linking nest microclimate, thermal physiology, and decision making in a rock nesting ant P. Ghosh*	Discussion	The earliest fossil evidence for eusociality in ants and termites P. Barden	Population structure of an ecosystem engineer, the mound building termite <i>Macrotermes bellicosus</i> Y. Frings*
18:30		The Queen Central Module Gene Cytb5-r-a Regulates Queen Signaling In <i>Cryptotermes secundus</i> W. Zhou*	Microclimate shapes African ant competition and community structure P. O. Hoenle			Effects of colony fusions and relatedness on colony size in the drywood termite <i>Cryptotermes secundus</i> : Theory meets data S. Lohmar*
18.45	International Assembly					
Wednesday, 19 August 2026						
	Hall 4 (S12)	K6 (S03)	K7 (S10)	K8 (S19)	K9 (S21 + S00)	K10 (S26)
08.45	West-Eberhard Award: "Non-senescing queens and the implications for the colony-level reproduction" L. J. Niño (Hall 4)					
10.00	Coffee Break					
10.15	Stress is social: brain-level gene expression and physiological evidence from the honeybee R. Halby*	Host-parasite interactions in stingless bees: robber bees and their victims C. Grueter	Brain development in an allodapine bee aligns with social caste and ecological intelligence S. Tierney	Adaptive evolution of odorant receptors is associated with elaborations of social organization in ants Y. Pellen	Implementing Molecular Tools for Circuit Neuroscience in the Clonal Raider Ant D. Kronauer	Guiding management strategies of the yellow-legged Asian hornet through results of citizen science L. Seehausen
10.30	Faster liquid flow under greater resistance: Red Queen dynamics in honey bee trophallaxis networks T. Gernat		Variation in ants olfactory system design C. Martelli		Genetic dissection of brain functions related to foraging ability in the honey bee through analysis of mKast knockout workers H. Kohnno	Citizen science reveals caste-specific seasonality and unexpected winter activity in invasive New Zealand wasps M. Anastasi*
10.45	Soldiers boost colony defense by enhancing information flow and modulating minor behavior L. Nie	Genomic insights from hybridisation at natural and artificial contact zones of an Australian stingless bee (<i>Tetragonula hockingsi</i>) G. Law*	Mischocyttarus Wasps as a Window into the Origins of Social Cognition and Chemical Communication F. Nascimento	The genomic underpinning of variation in vision across a global sample of ant workers J. Vizueta	Bee on time: investigating circadian clock gene function via gene editing in honey bees (<i>Apis mellifera</i>) K. Beer	MonitAnt Citizen Science Project: Europewide assessment of mound-building Formica ants H. Feldhaar
11.00	Honeybee foragers discriminate between safe and dangerous resources at the flower-level but not at the patch-level N. Lemanski	Queen-associated loci in <i>Melipona</i> bees N. D. S. Araujo	Cryptic chemical and genomic differentiation correlates with social complexity in the socially flexible sweat bee <i>Megalopta genalis</i> C. Kingwell	Molecular correlates of gustation and diet in ants E. J. Smith	Olfactory receptor mutants to tackle pheromone processing in the honey bee brain J. Sandoz	The Ant-Free Atacama Desert: Distributional Limits of Native Ants in Northern Chile B. Palm*
11.15	Organisational immunity in ants: the importance of socio-spatial structure in mitigating epidemic risk N. Stroeymeyt	Insights into the evolution of eusocial stingless bees from large scale comparative genomics E. Stolle	Behavior and chemical signaling facilitate the social dominance of reproductive workers across contexts in queenless groups of Indian jumping ants (<i>Harpegnathos saltator</i>) B. Pyenson	Neural coding of pathology-related odorants in the honeybee brain L. Filaferro*	Geographic variation of wing shape allometry in honey bees (<i>Apis mellifera</i>) A. Tolifski	Atta Leafcutter Ants are Climate-Sensitive Bioindicators: Integrating evidence from iNaturalist, literature, and expert researchers U. Mueller
11.30	Pathogen Spread and Removal in Multilayer Ant Social Networks V. Kulkarni*	Evolution and gene family dynamics of cytochrome P450s in stingless bees (Apidae: Meliponini) M. C. Arias	Genetic, behavioral and chemical data give discordant information about population structure in <i>Formica exsecta</i> A. Halonen	Eyes in the City: Species-specific shifts in visual traits in bees and wasps A. Ferrari	RNAi-based Varroa destructor biopesticides inside the honey bee colony J. Merk	Is climate change shrinking bees? M. Ostwald
11.45	Social and Spatial Affinity Drive Wound Care by Ants E. A. George	Life-history plasticity in stingless bees (Meliponini): a comparative transcriptomics perspective L. Campana*	Evolutionary transitions in social behavior are associated with convergent and partially reversible expansions of transcription factor binding sites S. Ploessi*	Searching in the shadows: the effects of UV-deficient environments on bumblebee foraging behavior O. Harris	Towards a Taxonomic Resolution in Stenammmini Ants: Whole-Genome Sequencing Reveals Social Hybridogenesis Candidates and Phylogenetic Incongruences L. Fraysse	Citizen Science as a Tool for Quantifying Insect-Plant Interactions and Network Dynamics M. Morrison
12.00	Nest-level phase transition drives synchronized activity bursts in ant colonies M. Napoli*	Regulatory genes of worker ovary development in stingless bees with contrasting reproductive capacities F. D. A. Dalarmi*	The Pace-of-Life syndrome as a potential mechanism underlying the evolution of sociality in Arthropods V. Chiara	Phylogenomics reveal the evolution of social parasitism in vespid wasps (Hymenoptera: Vespidae) S. von Adelnmannsfelden*	Pollinator-Friendly Botanical Biopesticides in Cotton Agroecosystems: Effects on the Foraging Activity and Pollination Efficiency of <i>Amegilla</i> sp. (Hymenoptera: Apidae) in Northern Cameroon A. Tchoubou-Salé*	When stingless bees and ants bewitch: an approach to the myths and realities of four ethnic groups in the Peruvian Amazon C. D. Vecco-Giove

Wednesday, 19 August 2026 (cont)						
	Hall 4 (S12)	K6 (S02)	K7 (S10)	K8 (S05)	K9 (S15)	K10 (S08)
12.15	Lunch Break + Mixer + Exhibition (All Day)					
13.15	Plenary 4: "Engineering a Queen: How Honey Bees Shape Development Through Architecture, Materials, and Collective Behaviour" Y. Al Naggar (Hall 4)					
14.15	Coffee Break					
14:30	Form, function, and evolutionary origins of architectural symmetry in honey bee nests M. Smith	Dominance behaviour regulates division of labour in different ways in two congeneric sympatric species of social wasps R. Gadagkar	Wing polyphenism and eusociality during the origin of ants E. Abouheif	Social drivers of lifespan extension in a facultatively eusocial bee K. Kapheim	Genetic, social, and environmental influences on aggression in <i>Temnothorax</i> ants and their fitness consequences S. Foitzik	Small bodies, big influence: how brood shapes social cohesion in wasps C. A. Oi
14:45	Gene networks and the pathway to honeybee fanning K. Tobin*		Larval social fluids modulate caregiver feeding drive in ants O. Snir	Social status, flight activity and DNA damage in large carpenter bees M. Richards		The Evolution of a Larval Worker Caste D. Thatcher
15:00	Cooling down and heating up: Thermal history dependence in acorn ants K. Nakamura	From Individuals to Groups: Metabolic rate as a driver of intra- and inter-specific variation in honeybees K. Dicke*	Gut Microbiota Regulation of Social Behaviour in Honeybees G. Calderoni*	Having their cake and eating it too: stressperiments in ants K. Glastad	Gut-microbiome, genomic, and transcriptomic factors promote aggression in an ant P. Krapf	Brood-Mediated Regulation of Queen Fecundity in Pharaoh Ant A. Win*
15:15	Collective survival during floods in <i>Solenopsis invicta</i> fire ants A. Robertson*	Spreading dynamics in clonal raider ant interaction networks S. Rogoz*	Macroevolutionary consequences of nutritional symbioses in Formicinae ants B. B. Blaimer	Ageing affecting evolution of genes and their expression across tissues in social insects L. Franke*	Microbial regulation of the social brain in corbiculate bees J. Liberti	Molecular evidence for metabolic division of labor and information transfer through ant social fluids Y. Reitsema-Wang
15:30	Making balls out of leaves, with weaver ants G. Trocki	Do random variations drive inactivity in social groups? R. Jeanson	Pace of life and sociality: variations of behavioral and physiological traits among four <i>Anelosimus</i> species T. Robineau*	H3K9me3-mediated repression of transposable elements linked to long lifespan in the drywood termite, <i>Cryptotermes secundus</i> L. A. Okwaro	Paired, individual, and collective-decision making by dispersing termites N. Mizumoto	Social modulation of decision-making in <i>Drosophila</i> larvae K. Vogt
15:45	The role of individual learning in weaver ant collective self-assemblages R. Boddington	Molecular and cellular basis of worker-soldier polymorphic <i>Carebara</i> ants Z. Huang	Context-dependent intruder recognition and aggression in a subsocial cockroach H. Osaki	Sperm metabolism dynamics during storage in long-lived ant queens S. Aron		Larval immunity depends on worker presence in the clonal raider ant A. Höppner*
16:00	Detecting the failure of the honeybee's decentralised thermoregulation system T. Collin	Expanding the concept of division of labor: from social cooperation to levels of complexity J. Fewell	The enemy of my enemy is my friend: intergroup conflict and cooperation in the Pacific dampwood termite (<i>Zootermopsis angusticollis</i>) J. Lowe	Slow sperm aging in males of the buff-tailed bumblebee (<i>Bombus terrestris</i>) T. Renard	Testing choice overload in a pollinator: effects of option number and reward contrast C. Hemingway	Brood care and larval behavior in <i>Holcaponera striatula</i> D. M. Urcuqui
16:15	From individual thermal limits to collective resilience through plasticity and microclimate use J. Bujan		Discovery of spontaneous raiding in an army ant relative sheds light on the evolution of mass raiding behavior R. Mizuno	The fecundity-longevity trade-off in a clonal eusocial insect: subordinate workers match dominants in reproductive capacity A. Bernadou	Superefficient teamwork in weaver ants D. Carlesso	Transcriptomic signatures of parental and alloparental care in the facultatively eusocial ambrosia beetle <i>Xyleborinus saxesenii</i> J. Rombach*
16.30	Coffee Break					
	Hall 4 (S22)	K6 (S02)	K7 (S18)	K8 (S05)	K9 (S15)	K10 (S09)
16:45	What bee genes, caveman statistics, and learning machines can teach us about 'differential expression' B. Taylor	Role of Minor Workers in Weed Management in <i>Odontotermes obesus</i> R. Raychoudhury	Substrate-borne vibrations as a recruitment signal in ant tandem running M. Pathak	Caste-specific ageing and age polyethism emerge from the evolution of resource allocation in eusocial insects J. Kreider	Investigation of evolution rates of invidual vs. social locomotion behaviors across <i>Temnothorax</i> ants H. Hutchison	Nutrient investment in offspring across social organization in cockroaches S. Bouchebti
17:00		Age-dependent energetics and flight performance in bumblebee workers C. Kurze	The shaking signal shapes the daily rhythm of work inside and outside the hive J. Nieh	When evolution makes things worse: coevolution between selfish traits and colony lifespan in social insects K. Yabe	Emergent Spatiotemporal Organization in Honeybee Colonies: Lessons from Large-Scale Behavioral Data T. Landgraf	Immune cost of maternal care towards eggs and juveniles in the European earwig S. D. Wever*
17:15	Haplodiploidy accelerates mito-nuclear coevolution G. Athreya*	Division of what? Different axes of worker variation and their implications for colony organization A. Dornhaus	Audience effects shape the honey bee waggle dance K. Tan	Effect of a selfish genetic element on mate preference in a socially polymorphic ant J. Brühlhart*		Diversity of Social Behavior in Ceratina Bees: A Global Perspective M. Mikát
17:30	Transposable Elements in Ant Macroevolution L. Schrader	Inactive leaf-cutter ants mediate task allocation through workload-dependent activation S. Meneses		Reproductive and developmental dynamics in <i>Lasioglossum marginatum</i> (Halictidae), a bee with an exceptionally long nesting cycle A. Žalmanová*	High-resolution tracking using machine-learning reveals the spatiotemporal dynamics of social immunity in <i>Reticulitermes flavipes</i> Ó. Kilic*	The effects of serotonin in modulating behaviour and brain gene expression within a facultatively social bee R. Miller*
17:45	Combining genomic and transcriptomic approaches to unravel the evolution of a supergene underlying wing and social polymorphisms C. Doums					
17.45	Poster Session B (Lobby)					

Thursday, 20 August 2026						
	Hall 4 (S12)	K6 (S29)	K7 (S24)	K8 (S06)	K9 (S13)	K10 (S01)
08.45	Plenary 5: "Shared ecological pressures and convergent co-option of ancient hormonal pathways underlie independent origins of eusociality" S. D. Kocher (Hall 4)					
10.00	Coffee Break					
10.15	Exploring mechanisms of cooperative prey transport and nest construction from weaver ants to robots and back again C. Reid	Effects of vector-borne transmission on viral ecology and evolution in bees L. Wilfert	Testing a scalable monitoring protocol for social wasps (Vespidae) in Italy G. Vicari	Turtle ants undergo an unexpected pattern of caste investment and colony development to function in the arboreal realm S. Powell	Floral environment and cognition affect individual foraging patterns J. Jandt	The role of olfactory sensitivity on task specialization in the honey bee J. Carcaud
10.30	Frequent errors are the worst: robustness to individual failures in collective foraging C. H. Joshi		Ants as bioindicators: Feasibility and ecological value in multi-taxon biodiversity monitoring of European forests E. Guariento	The reversible specialization of ant queens allows them to start a new colony again H. L. Lay*	Fine-scale navigation: searching ants use multiple guidance mechanisms P. Schultheiss	
10.45	Collective decision-making during raiding in the clonal raider ant L. Tseng*	Honeybee viral and gut microbial associations in <i>Varroa</i> free vs impacted landscapes M. Wallace*	From Native Grasslands to Croplands: Impacts of Intensive Agriculture on Ant Assemblages in Madagascar A. Masoni	Colony Foundation and Symbiotic Transmission in an Ant-Plant Farming Mutualism N. Holmes	Magnetoreception in two <i>Cataglyphis</i> ants species C. Tenneriello*	
11.00	Quantification of territory marking and territorial behavior in weaver ants S. Popp	Bumble bee viral communities: Are they shared across species, locations, or both? M. Moore	Unknown allies in the grassland ecosystem. How the engineering of <i>Lasius flavus</i> benefits pollinators G. Finn*	The role of early colony life-cycle stages on the maintenance of social polymorphism in ants: a population genetic model U. Srinivasan	Effects of experimental heatwaves on visual memory in bumblebees S. Szymanski*	From Molecules to Societies: how queen pheromones enforce the reproductive division of labour E. Duncan
11.15	Food for thought – Food type drives cooperative transport performance in the arboreal weaver ant, <i>Oecophylla smaragdina</i> A. Dasgupta*	Survey of pathogen prevalence in commercial beekeeping operations across Southwest Saudi Arabia: Implications for management and selective breeding K. Nichols	Big birds and ants: Interactions between Galliformes birds and Red Wood Ants—evidence from camera trapping, faecal analysis and their spatial overlap J. Tuma	From mate choice to colony founding: supergenes control reproductive dynamics in the ant, <i>Formica cinerea</i> G. Scarparo	Information or Imprecision? Patch signaling in the honeybee waggle dance R. Xie*	Neither caste nor sex: an ant species consisting entirely of queens J. Heinze
11.30	Investigating the mechanisms of information sharing and conflict resolution during collective decision making in Weaver Ants A. Loutfi	Sub-lethal effects of DWV infection on bumble bee learning behaviour C. Scheifele*	Examining the effect of urbanization on bumblebee movement through population genetics and agent-based modeling J. Howard	BumbleMATE – Agent-based modelling of bumblebee mating flights to predict gene flow and delimit populations W. Sickel	Honey bees (<i>Apis mellifera</i>) learn rules to better solve spatial tasks and these are affected by diet S. Shafir	Unmated queens show worker-like behavior and gene expression in polygynous colonies of the ant <i>Stigmatomma pallipes</i> M. F. Bolder
11.45	Time evolution of wavy pheromone trails reveals a minimal decision rule for ant trail following O. Ayalon*	Virus-virus interactions between the Deformed wing virus and Varroa destructor virus-2 in varroa mites A. Felden	Safeguarding locally adapted honeybee subspecies: Genetic Introgression and Health Risks in <i>Apis mellifera sahariensis</i> from Morocco A. Aglagane	Prolonged maternal care and rudimentary division of labour in facultatively social small carpenter bees S. Rehan	Time-space memory in honey bees: from behavior to brain processes A. Brockmann	Power and reproduction in an Australian paper wasp A. Webb*
12.00	Cooperative Hunting in Weaver Ants: The Spread-Eagle Strategy and the Transition to Transport X. Guo	Influence of host and viral characteristics on Black queen cell virus virulence C. N. G. Kaufman*	Effects of managed bees on flower visitor diversity and visitation patterns of <i>Vitellaria paradoxa</i> (shea) L. I. Nasare	One dose does not fit all: Species-specific and dose-dependent responses of bumble bee queens to insecticide exposure E. Ibarra-Garibay	Precise, individualized foraging flights in honey bees revealed by multicopter drone-based tracking M. J. M. Harrap	Reproductive hierarchies of clonal ants with and without fertility signals B. Whyte
12.15	Lunch Break					
13.15	Plenary 6: "Multidimensional assessment of emotional states in social insects" D. Baracchi (Hall 4)					
14.15	Coffee Break					
	Hall 4 (S16)	K6 (S29)	K7 (S24 + S00)	K8 (S06)	K9 (S13)	K10 (S01)
14:30	Origin of the queen primer pheromone in the termite <i>Embiratermes neotenicus</i> R. Hanus	Timing of viral infection shapes disease outcome in <i>Bombus terrestris</i> , with modifying effects of the gut microbiome P. Brinker	Genomic signatures of apiculture in the Western honeybee and their implications for conservation P. L. Kohl	Reproductive Traits of Honey Bee Queens Predict Colony Growth Trajectories H. Li-Byarlay	Consequences of a sleepless brain: A sleep-restricted dancer sends different messages to her honey bee followers B. Klein	Plasticity of non-nestmate discrimination in the clonal raider ant T. Bailly
14:45		Structural and molecular implications of infections by deformed wing virus in the honeybee brain F. Manfredini	Effect Of Altitude On Bee Pollinator Communities Along A Tropical Elevation Gradient B. O. Youfei*	Altered colony initiation enabled the evolution of fully asexual lineages in termites S. Hellemans	The evolution of communicative complexity across acorn ants G. N. Doering	Cooperation and competition in the clonal raider ant T. Kay
15:00	Identification of the trail-following pheromone receptor in termites K. Kašparová*	Insipient co-evolution: Varroa destructor infestation and DWV infections cause major but non-overlapping shifts in gene expression in <i>Apis mellifera</i> populations T. Sisternans	Assessing wild honeybee population trends in Europe: survival-based projections over IUCN time horizons and the contribution of citizen science B. Rutschmann	Nesting biology drives the stability of tandem movement coordination in mating termites E. Carroll	Impact of social isolation on socially selective neurons and high-order visual processing in a social wasp C. Jernigan	Coordination of a rare task: Nightly door-closing behavior in harvester ants C. Kwapich
15:15	A social bee learns to associate a novel odor with social context E. Amsalem	Primary and secondary antiviral RNAi responses throughout <i>Varroa destructor</i> life stages reveal the vertical transmission of viruses J. Damayo*	Translocating wood ants (<i>Formica</i> spp.): A systematic review of methods and outcomes I. Cockwell	First experimental evidence of social parasitism in termites D. Sillam-Dussès	Leaf-cutting ants learn from their efforts: foragers recall olfactory memories to avoid plants they previously experienced as hard to cut F. Roces	Tissue-Specific Transcriptional Activity Underlying Task Switching in the Ant <i>Temnothorax longispinosus</i> I. Knuf

Thursday, 20 August 2026 (cont)						
	Hall 4 (S16)	K6 (S29)	K7 (S24 + S00)	K8 (S06)	K9 (S13)	K10 (S01)
15:30	The influence of juvenile hormone on chemical communication in a social bumble bee T. Goldberg*	Gene by environment interactions impact virus infection in mite resistant honey bees M. Simone-Finstrom	Using ants in Vanuatu for case-based teaching of integrative taxonomy K. W. Gray	Flexible cognitive switching allows economical early stage nest defense L. Mammen*	Deciphering Ant Antenna Use Patterns for Exploration N. Brown	The structure of age-dependent nest defense plastically varies by threat type in paper wasps Y. Alvarez*
15:45	Ethyl oleate regulates rapid JH changes during heat shock Z. Huang	Juvenile Hormone Enhances Viral Activity in Bumble Bees H. Y. Shpigler	Acrobat ants across the Mediterranean: Population structure of the <i>Crematogaster scutellaris</i> complex J. H. Voges*	Natural History observations of a population of social wasp, <i>Polistes arizonensis</i> : colony survival and productivity in relation to the number of foundresses Z. Shaffer	Innate visual attraction before, during, and after experiencing adversity in the ant <i>Camponotus japonicus</i> Y. Notomi	Behavioral and molecular variations in circadian clock set-up is related to colony reproduction in stingless bees A. R. Justino
16:00	Self-organized ant colony size sensing through queen pheromone transmission and its possible constraints and adaptive significance K. Tsuji	Experimental evolution of IAPV pathogenesis and antiviral immune response in <i>Apis mellifera</i> O. Rüppell	Functional and phylogenetic responses of ant assemblages to experimental fire regimes in a tropical savanna F. Brassard	Behaviourally different foundresses initiate two types of nests in the primitively eusocial wasp <i>Polistes wattii</i> R. Sen	Pain-relief seeking in bumble bees E. Pasquini*	Dealing with the dead: an integrative approach to decode necrophoresis in ants L. K. Lo
16:15	Chemical communication of spatial information in the clonal raider ant T. Zetsche	Collective antiviral defense through trophallactic fluid transfer in ants? J. C. Alava*	Fire-driven changes in trophic resource use and diel activity of ant communities J. P. G. de Gómez	Climate shapes wasp foundress cooperation across Africa P. Kennedy	To save my sister or not: Understanding the evolution of rescue and wound-care behaviors in a termite hunting ant V. Bhat*	Global peptidergic rewiring underlying reproductive role transition in ants W. Liu
16.30	Coffee Break					
16.45	General Assembly (Hall 4)					
20.00	Conference Dinner (Ganter Biergarten)					