



Published on *Royal Entomological Society* (<http://www.royensoc.co.uk>)

[Home](#) > Printer-friendly

# Xth European Congress of Entomology

Voir pour SNP p 2, p 9, p14

Hosted by the Royal Entomological Society

## Author and programme listing

<i>Monday am</i>	<p><b>Biorational Control and Resistance Management of Insect Pests 1</b></p> <p><i>Organised by Isaac Ishaaya (Israel) and A Rami Horowitz (Israel)</i></p>	<p><b>A Rami Horowitz, Isaac Ishaaya</b></p> <p>Alistair C Darby</p> <p>Stephen Foster</p> <p>Gerald Guendermann</p> <p>Zvi Mendel, Jose Carlos Franco</p> <p>David Nestel</p> <p>JC Wise, AH VanWoerkom, SG Acimović, GW Sundin, BM Cregg, C Vandervoort</p>	<p><b>Dynamics of the Whitefly <i>Bemisia tabaci</i> Biotypes in Cotton Fields and their Importance in Resistance Management</b></p> <p>Symbiosis as a Novel Strategy for Insect Control</p> <p>Insecticide Resistance in Aphids</p> <p>Principles of IPM in Cultivated Crops</p> <p>Biorational Control of Mealybugs in Close and Open Habitats</p> <p>Alternatives Strategies for Controlling Olive Fly under Different Economic Environments</p> <p>Enhancing Performance of Biorational Insecticides with Novel Delivery Systems in Tree Fruit IPM</p>	Keynote
<i>Monday am</i>	<p><b>2nd European Symposium on Chrysomelidae</b></p> <p><i>Organised by Michael Schmitt (Germany)</i></p>	<p><b>Pierre Jolivet</b></p> <p>Caroline S Chaboo</p> <p>Caroline S. Chaboo, Matthew L. Gimmel</p> <p>Michael Geiser</p> <p>Margarete Valverde Macedo, Ethel Hentz Pinto dos Santos, Barbara Mascarenhas Morgado, Anne Caruliny do Monte Lima, Gabriel Khattar, Vivian Flinte, Ricardo Ferreira Monteiro</p> <p>Michael Schmitt, Gabriele Uhl</p>	<p><b>Together with 30 years of Symposia on Chrysomelidae - What do we know more about Leaf-Beetles?</b></p> <p>The roles of phylogeny and ecology in shaping cassidine beetle associations with diverse tropical vegetation</p> <p>The beetle families of Peru</p> <p>The Chrysomelidae collection of the Natural History Museum, London</p> <p>Phenology of leaf beetles (Chrysomelidae) in a tropical montane forest in Southeast Brazil</p> <p>Functional morphology of the copulatory organs of a reed beetle and a shining leaf beetle (Coleoptera: Chrysomelidae: Donaciinae, Criocerinae) using micro-CT</p>	Keynote
<i>Monday am</i>	<p><b>Climate change and trophic interactions</b></p>	<p><b>Jonathan Newman</b></p> <p>Jan C Axmacher</p>	<p><b>Understanding and predicting trophic interactions in a changing climate</b></p> <p>Climate as key determinant of insect diversity patterns</p>	Keynote

		James R Bell, Marc Botham, Richard Harrington, Peter Henrys, David Leech, Stephen J. Thackeray Konstanze Gebauer, Lia Hemerik, Rainer Meyhöfer Andrew Gherlenda, Anthony Haigh, Ben Moore, Scott Johnson, Markus Riegler Timothy L Sutton, Markus Riegler, James M Cook Adam Zeilinger, Nicholas Mills, George Roderick	The effect of habitat on phenological responses: a meta analysis of aphids, butterflies, moths and birds Comparison of the effect of predicted climate change on two agricultural pest-parasitoid systems Enhanced survival of a eucalypt leaf beetle at elevated [CO <sub>2</sub> ] and temperature: comparison of two Eucalyptus host species Population genetic patterns and climate warming responses of a fig-pollinating wasp and its parasitoid Distributional responses of an oligophagous agricultural pest to historical climate change and exotic host plant invasions	
<b>Monday am</b>	<b>Eco-Immunology of invertebrates</b>  <i>Organised by Ken Wilson (UK), Rob Knell (UK), Sheena Cotter (UK), Yannick Moret (France)</i>	<b>David Schneider</b> Joanne Littlefair, Rob Knell  Yannick Moret, Aurore Dubuffet, Caroline Zanchi and Jérôme Moreau  Joanna Randall, Judith Smith, Sheena Cotter, Steve Simpson & Ken Wilson Marjo Saastamoinen, Elena Rosa, Luisa Woestmann  Matt Tinsley, Sumayia Bashir-Tanoli C Zanchi, PR Johnston PR, J Dorling, J Rolff	<b>(Title TBA)</b> Maternal effects in the immune system of the Indian meal moth, <i>Plodia interpunctella</i> . Microbes behind the evolution of maternal transfer of antimicrobial activity to the eggs in the mealworm beetle, <i>Tenebrio molitor</i> To what extent does host nutrition control host-pathogen interactions? Influence of developmental conditions and life-history trade-offs on immune defense in the Glanville fritillary butterfly. Testing life-history theories of insect immune defence costs Elucidating antibacterial defense and persistent infection in insects	<b>Keynote</b>
<b>Monday am</b>	<b>Imaging methods for entomology</b>  <i>Organised by Mark Greco (UK)</i>	<b>Jürgen Rybak</b> T Akhmetkireeva, K Kitaev  AS Kroupa, F Glöckler, G Hagedorn, C Häuser, S Schmidt, B Schurian  Jan Michels, Stanislav N Gorb  Ian Stell Margarita I Yavorskaya, Alexey A Polilov  Mathias Zilch	<b>Drosophila genetics and imaging</b> Research of intrapopulation processes by morphometric analysis The Open Drawer Project - Providing free access to high resolution images of entomological collection drawers (digitization - participation - publication). Detailed three-dimensional visualization of the morphology and material composition of insect exoskeleton structures using confocal laser scanning microscopy Imaging the Honeybee Drone Brain Effects of extreme size decrease on the mouthparts of Coleoptera by the example of Corylophidae (Cucujoidea). Comparison of the internal and external female genital complex within Fulgoromorpha using high-resolution Micro-Computed Tomography (Micro-CT)	<b>Keynote</b>
<b>Monday am</b>	<b>IPM and invasive species</b>  <i>Organised by Aziz Ajlan (Saudi Arabia)</i>	<b>Livy Williams III, Pauline Deschodt, Olivia Pointurier, Kris AG Wyckhuys</b> Ronald D Cave Andrew GS Cuthbertson, Lisa F Blackburn, James J Mathers, Michelle E Powell, Howard A Bell Rob Johns and Eldon Eveleigh  DN Kambrekar  Jeremy N McNeil, Jasmine Farhan, Joanna Konopka  Ingars Siliņš, Agnis Šmits, Āris Jansons	<b>Invasive pests of SE Asian cassava crops: an immense threat to food security and rural livelihoods</b> Four against one: Biological control of the cycad aulacaspis scale <i>Bemisia tabaci</i> : preventing a global pest from establishing in the UK Intratree variation in the seasonal distribution and mortality of spruce budworm from the peak to collapse of an outbreak. Emamectin benzoate 5% SG (Volax) - New insecticide for the control of <i>Helicoverpa armigera</i> in chilli The western bean cutworm, <i>Striacosta albicosta</i> , an invader and a resident in Ontario Outbreak possibilities of most significant dendrophagous pests to Baltic economy in relation with latest climate change scenarios	<b>Keynote</b>



Monday pm	<b>Biorational Control and Resistance Management of Insect Pests 2</b>  <i>Organised by Isaac Ishaaya (Israel) and A Rami Horowitz (Israel)</i>	<p>Yasmin Akhtar, Murray B. Isman</p> <p>Murad Ghanim, Svetlana Kontsedalov, Galina Lebedev Isaac Ishaaya</p> <p>Meritxell Perez-Hedo, Pablo Urbaneja-Bernat, Josep Jaques, Víctor Flors, Alberto Urbaneja Jernej Polajnar, Anna Eriksson, Valerio Mazzoni</p> <p>AA Rashed, C Lanyon, AL Jones, OAE Sparagano</p> <p>Pierre Stratonovitch, Ian Denholm, Jan Elias, Russell Slater, Mikhail Semenov</p> <p>Luc Swevers, Guy Smagghe</p>	<p>Potential for <i>Cimex lectularius</i> Management: Semiochemicals and Diatomaceous Earth</p> <p>Control and Resistance Monitoring of Thrips and Whiteflies in Israel</p> <p>Biorational Control of Arthropod Pests with Emphasis on Chitin Synthesis Inhibitors</p> <p>Role of the Zoophytophagous Microfarmer <i>Nesidiocoris tenuis</i></p> <p>Developing a bioacoustic method for mating disruption of <i>Scaphoideus titanus</i> (Hemiptera: Cicadellidae) in the field</p> <p>Larvicide bacteria found in <i>Culex</i> mosquitoes: a potential biological control approach</p> <p>Designing and evaluating insecticide resistance management strategies through individual-based simulation modeling</p> <p>Cell-based Screening Systems for Developing Novel Insecticides: Insights from the EcR-Reporter Paradigm</p>	
Monday pm	<b>Molecular biology and ecology of the cuticle</b>  <i>Organised by Bernard Moussian (Germany) and Sophie Armitage (Germany)</i>	<p>Stanislav N. Gorb</p> <p>April Dinwiddie</p> <p>Jan-Henning Dirks, Joachim P. Spatz Gerrit Joop, Daniel Schütz</p> <p>Jan Michels, Stanislav N. Gorb, Klaus Reinhardt</p> <p>U. Theopold, B. Arefin, L. Kucerova, P.Dobes, R. Markus, H. Strnad, Z. Wang, P. Hyrsl, M. Zurovec</p> <p>Maureijn van der Zee</p>	<p><b>Specialised cuticles in insect attachment devices</b></p> <p>Microstructures, Cell Shape, and Butterfly Wing Patterns</p> <p>Toughening effect of chitin fibres in locust cuticle</p> <p>Insect cuticle, first line of defence – protecting from foreign or self?</p> <p>Rubber-like material for safer sex: resilin reduces male-inflicted copulatory damage in female bed bugs</p> <p>The <i>Drosophila</i> immune response against nematodes and their associated bacteria</p> <p><b>The serosal cuticle</b></p>	Keynote
Monday pm	<b>Insect Genomics 1</b>  <i>Organised by Chris Jiggins (UK) &amp; Andrea Betancourt (Austria)</i>	<p>N Cook, MG Ritchie, BA Pannebakker, E Tauber, DM Shuker</p> <p>Alistair Darby, Rachel Brenchley, Arjen Van't Hof, Thea Marubbi, Luke Alphey, Neil Morrison Andrea Betancourt</p> <p>Conrad PDT Gillett, Alex Crampton-Platt, Martijn JTN Timmermans, Bjarte Jordal, Brent C Emerson, Alfred P Vogler Barbora Konopova, Michael Akam</p> <p>Karen Meusemann, Michelle Trautwein, Brian Wiegmann, David Yeates, on the behalf of the 1KITE Antliophora group Ramiro Morales-Hojas, Rhiannon Silk, Malcolm Hinsley, Paul Kersey, Simon Carpenter, Mark Fife William J Palmer, Joseph Harvey, Punita Juneja, Ho Y Shwen, Arnab Pain, Francis M Jiggins</p>	<p>The genetic basis of sex allocation behaviour in <i>Nasonia vitripennis</i></p> <p>The Diamondback Moth (<i>Plutella xylostella</i>) Genome Three Ways: 454, Illumina and PACBIO</p> <p>A genome wide fine-scale map of pigmentation in <i>D. melanogaster</i></p> <p>Bulk <i>de novo</i> mitogenome assembly from pooled total DNA reconstructs the root of all weevils (Coleoptera: Curculionoidea)</p> <p>The springtail <i>Orchesella cincta</i> (Collembola): a prospective model (not only) for studies on the early evolution of the insects</p> <p>Inferring the phylogenetic relationships of early dipteran lineages based on thousands of genes from transcriptomic data</p> <p>The genome project of <i>Culicoides sonorensis</i> and the genetics of vector competence</p> <p>Revealing the evolution of the insect immune system through whole genome sequencing</p>	
Monday pm	<b>Insect-Microbe interactions</b>	<p>Martin Kaltenpoth</p> <p>Eli V Araujo-Jnr, Lucy A Weinert, John J Welch</p> <p>Giles E Budge, Edward G Haynes, Mark DF Shirley, Benjamin Jones, Victoria Tomkies, Claire Webster, Mike A Brown</p>	<p><b>A perfect drug deal: Evolution, ecology, and genomics of symbiont-mediated antibiotic defense in solitary wasps</b></p> <p>Novel estimates of incidence and prevalence of the reproductive manipulators <i>Wolbachia</i>, <i>Rickettsia</i> and <i>Cardinium</i> in arthropods.</p> <p>Molecular epidemiology and population structure of the honey bee brood pathogen <i>Melissococcus plutonius</i></p>	Keynote

	<i>Organised by Ben Raymond (UK) and Jens Roff (Germany)</i>	Simon L Elliot, Renan B Queiroz, Gabriel A Vieira, Fábio N Silva, Felipe V Prado, Issa H Al-Mahmooli, Claudine M Carvalho, Abdullah M Al-Sadi Andrew Matthews, Ben Raymond	Enhanced population growth of invasive psyllid ( <i>Diaphorina citri</i> , vector of Huanglongbing) on asymptomatic phytoplasma-infected citrus Cooperative restraint and the evolution of virulence in an intestinal symbiont
		Louise Mc Namara, Christine Griffin, Kevin Kavanagh	The immune response of <i>Hylobius abietis</i> and <i>Galleria mellonella</i> larvae to entomopathogenic fungi
		James E Hourston, Alison E Bennett, Scott N Johnson, Alan C Gange	Do AM fungi enhance the 'alarm signal' emitted by infested plants to natural enemies?
<b>Monday pm</b>	<b>OpenTopics 1</b>  <i>Organized by Klaus Reinhardt (Germany) and Stuart Reynolds (UK)</i>	Gl Aradottir, J Martin, A Greenslade, J A Pickett, LE Smart	A large scale phenotyping studies of cereal aphids on wheat
		Roland Mühlethaler, Andreas Wessel, Igor Malenovský	How do leafhoppers (Hemiptera: Cicadellidae) hear? - A historical review with some astonishing results
		Jessica Scriven, Matt Tinsley, Dave Goulson	Revealing hidden niches of cryptic bumblebees
		Donald A Yee, John Lloyd Martin, Francis Ezeakacha	Are you what you eat? - Stable isotope and nutrient analysis of container mosquito species
		Kirsty Yule, Kevin C Burns	The enemy of my enemy is my friend - tri-trophic interactions
		Christopher H C Lyal	Will it stop entomological research? The impact of a new EU Regulation on Genetic Resources
		Estevao Alves-Silva, Alexandra Bächtold, Lucas Kaminski, Kleber Del-Claro	Is the occurrence of facultative myrmecophilous butterflies based on ant presence?
		Ranjit Das, Narayan Ghorai	Air conditioning mechanism of a fungus growing termite mound and its potential use in a green building design

<b>Tuesday am</b>	<b>Insects and climate change occurring above and below ground</b>  <i>Organised by Scott Johnson (Australia) and Will Hentley (UK)</i>	<b>Scott N Johnson</b>	<b>Insect responses to climate change occurring above- and belowground: an upstairs-downstairs story.</b>	<b>Keynote</b>
		Martin Aguirrebengoa, Rosa Menéndez, Adela González-Megias	Climate change modulates root herbivore multitrophic impact in a dryland ecosystem	
		Kirk Barnett, Scott Johnson, Sally Power	Drought, deluge, and "downunder" grazing: grassland ecosystem responses to rainfall variability and root herbivory.	
		Sarah Facey, David Ellsworth, Joanna Staley, Denis Wright, Scott Johnson	Tri-trophic interactions in a warmer world with elevated CO2: results from an above/belowground case study	
		James Ryalls, Markus Riegler, Ben Moore, Scott Johnson	How climate change mediates belowground effects on aboveground aphids in lucerne	
		Daniela Sint, Lorna Raso, Rebecca Mayer, Ruediger Kaufmann, Michael Traugott	Early food-web development following glacier retreat.	
		Ruth Wade, Scott Johnson, Alison Karley, Sue Hartley	How will predicted changes in precipitation impact tri-trophic interactions in a barley ecosystem?	
<b>Tuesday am</b>	<b>Insect Genomics 2</b>  <i>Organised by Chris Jiggins (UK) and Andrea Betancourt (Austria)</i>	<b>Chris Jiggins</b>	<b>Hybrid routes to an evolutionary novelty in a butterfly wing pattern</b>	<b>Keynote</b>
		Adam Dobson	The genetic architecture of nutritional responses to microbiota in <i>Drosophila</i>	
		Kanchon Dasmahapatra	Heliconius butterfly species on the cusp of speciation	
		Karen Meusemann	Phylogenomics and the evolution of insects	
		Yannick Pauchet, Roy Kirsch, Andre Busch, David G Heckel	Evolutionary history of plant cell wall degrading enzymes in phytophagous beetles	
		Diana Percy, Quentin Cronk	Towards the plant-insect interactome: genomics of the complex gall-types in Hawaiian <i>Metrosideros</i> -feeding psyllids	
		Jean-Pierre Gaulthier	Title TBA	

<p><b>Tuesday am</b></p>	<p><b>OpenTopics 2</b></p> <p><i>Organised by Klaus Reinhardt (Germany) and Stuart Reynolds (UK)</i></p>	<p>Malal M Diop, Hadrien Martin-Herrou, Olayidé Boussari, Angélique Porciani, Stéphane Duchon, Fabrice Chandre, Cédric Pennetier</p> <p>Katja Rohde, Jessica Weyer, Yvonne Hau, Isgard Lemke, Axel Hochkirch</p> <p>Casper Nyamukondiwa, Christopher W Weldon, Steven L Chown, Peter C le Roux, John S Terblanche</p> <p>Gabriele Berberich, Tobias Sattler, Dietrich Klimetzek, Simon Benk, Heinfried Schöler</p> <p>Jonathan S Ready, Derlan J Silva, Wesley S Monteiro, Ulf Mehlig, Wilsea MB Figueiredo-Ready, Luiz Felipe Lima Da Silvera</p> <p>MJ Hejazi, Ghasem Askari Saryazdi, Mohammad Reza Rashidi, Scott Ferguson</p> <p>Anthony Wilson, Jo Stoner, Laura Tugwell, Simon Gubbins</p>	<p>Superdominance of kdr mutation in <i>Anopheles gambiae</i> on a behavioural trait under insecticide selective pressure</p> <p>Hybridization - an extinction risk</p> <p>Thermal biology, population fluctuations and implications of temperature extremes for the management of two globally significant insect pests</p> <p>Organohalogen in nest gas of a <i>Formica rufa</i> supercolony</p> <p>Mad dogs, Englishmen and some Lepidoptera - Effects of shade on butterflies</p> <p>The light and shadows of South American fireflies (Coleoptera: Lampyridae): a complex <i>pas-des-deux</i></p> <p>Fenprothrin resistance and synergism in three strains of <i>Liriomyza sativae</i> from Iran</p> <p>The potential for mechanical transmission of veterinary viruses by large biting flies in the UK</p>	
<p><b>Tuesday am</b></p>	<p><b>Parasitoid systematics, biology &amp; functional morphology</b></p> <p><i>Organised by Andrew Polaszek (UK) and Lucian Fusu (Romania)</i></p>	<p><b>Ilari E Sääksjärvi</b></p> <p>Mar Ferrer-Suay, Jesús Selfa, Juli Pujade-Villar</p> <p>Lucian Fusu, Ovidiu A Popovici, Dascălu M Magdalena, Mircea D Mitroiu</p> <p>Dan Gerling</p> <p>Noel Mata-Casanova, Jesús Selfa, Juli Pujade-Villar</p> <p>Andrew Polaszek, Gennaro Viggiani, Lucian Fusu</p> <p>Helmut van Emden, Sophia Douloumpaka, Panos Vamvatsikos and Jim Hardie</p>	<p><b>15 years of studying Amazonian ichneumonids – how new tropical studies affect the “anomalous” latitudinal diversity gradient of the family?</b></p> <p>Presentation of the Interactive Charipinae Worldwide Database (Hymenoptera: Cynipoidea: Figitidae).</p> <p>Building a database to assist identification of synanthropic flies parasitoids using molecular and morphological data (Hymenoptera: Chalcidoidea, Diaprioidea)</p> <p>Instar-related development of <i>Cales noacki</i>, a parasitoid of the whitefly <i>Aleurothrixus floccosus</i></p> <p>Current knowledge of the subfamily Anacharitinae (Hymenoptera: Figitidae) in Europe</p> <p>Morphological and molecular taxonomic revision of <i>Megaphragma</i> (Hym: Trichogrammatidae) – among the world's smallest insects</p> <p>Does the aphid parasitoid <i>Aphidius colemani</i> ‘immunise’ its progeny against the toxic plant allelochemicals that they are likely to encounter in their aphid host?</p>	<p><b>Keynote</b></p>
<p><b>Tuesday</b></p>	<p><b>Insecticide resistance - from mechanisms to impact</b></p> <p><i>Organised by Ralf Nauen (Germany) and Martin Williamson (UK)</i></p>	<p><b>Chris Bass</b></p> <p>Pablo Bielza</p> <p>Wannes Dermauw, Luc Tirry, John Vontas, Thomas Van Leeuwen</p> <p>Nicole Joußen, Nena Pavlidi, Akhtar Rasool, Seung-Joon Ahna, John Vontas, David G Heckel</p> <p>Michael Kristensen, Dorte H Højland, Karl-Martin Vagn Jensen</p> <p>Emmanouil Roditakis, Anastasia Tsagkarakou</p> <p>Christoph T. Zimmer, Ralf Nauen</p>	<p><b>The evolution of insecticide resistance in the peach potato aphid, <i>Myzus persicae</i></b></p> <p>Insecticide resistance in <i>Frankliniella occidentalis</i>: mechanisms and management.</p> <p>Molecular mechanisms of acaricide resistance in <i>Tetranychus urticae</i>: opportunities for European resistance monitoring</p> <p>A worldwide resistance mechanism of the insect pest <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae): the chimeric P450 enzyme CYP337B3</p> <p>Large scale transcriptional changes following laboratory adaptation of a <i>Musca domestica</i> field population</p> <p>Whitefly resistance to insecticides: A European perspective to a global problem</p> <p>Pyrethroid resistance in coleopteran oilseed rape pests: achievements and challenges ahead.</p>	<p><b>Keynote</b></p>



<p><b>Tuesday am</b></p>	<p><b>Microbial Symbionts in insect ecology, evolution and control</b></p> <p><i>Organised by Greg Hurst (UK), Kostas Bourtzis (Austria) and Wolfgang Miller (Austria)</i></p>	<p>Anne Duplouy, Daniele Schneider, Ilkka Hanski, Saskya van Nouhuys, Wolfgang Miller          Julia Ferrari, Eleanor Heyworth, Melanie Smee          Laura Flórez, Martin Kaltenpoth          Ian Goodhead, Louise Whiteside, Alistair Darby          David Monnin, Clément Berry, Natacha Kremer, Emmanuel Desouhant, Fabrice Vavre          Benjamin Parker, Jan Hrccek, Ailsa McLean, Charles Godfray          DI Schneider, DG Boucias, AG Parker, AMM Abd-Alla, WJ Miller          Luis Teixeira, Ewa Chrostek</p>	<p>The role of endosymbionts on a parasitoid wasp's virulence against its butterfly host          Interactions between multiple symbionts in the pea aphid          Outsourcing protective tasks? Bacteria-mediated defense in lagriid beetle eggs          Using <i>Drosophila</i> as a model to study tsetse-symbiont interactions.          Oxidative homeostasis and the evolution of symbiotic interactions: the case of insect/<i>Wolbachia</i> associations          Patterns of variation in fungal resistance among pea aphid genotypes: a role for biotype and protective symbionts          Interactions between the disease vector tsetse fly and its microbial symbionts: <i>Wigglesworthia</i>, <i>Sodalis</i> and <i>Wolbachia</i>          Linking Genotype to Phenotype in <i>Wolbachia</i></p>	
<p><b>Tuesday pm</b></p>	<p><b>Aphids and their natural enemies - from individuals to populations</b></p> <p><i>Organised by James Bell (UK) and Michael Traugott (Austria)</i></p>	<p><b>Teja Tschardt</b>          Klaus Birkhofer, Jan Bengtsson, Henrik G Smith          Steffen Hagenbucher          James D Harwood, Katelyn A Kowles, Kelton D Welch          Eve Roubinet          L W Sheppard, D C Reuman, JR Bell, R Harrington          Zhengpei Ye, Ines MG Vollhardt, Michael Traugott</p>	<p><b>Local and landscape drivers of aphid-enemy food webs</b>          Understanding farming system effects on spatial and trophic interactions between generalist predators, aphids and barley plants in southern Sweden          Impact of induced defense on aphids and their parasitoids in Bt-cotton          Spatiotemporal relationships between aphids and generalist predators          Predator Diversity, Weed Abundance and Biological Control of aphids: A Manipulative Experiment to investigate Predator Interactions.          Causes of spatial synchrony in UK aphids.          The effect of agricultural intensification on the control of cereal aphids analysed via a food web approach</p>	<p><b>Keynote</b></p>
<p><b>Tuesday pm</b></p>	<p><b>Ecomorphology, biomechanics, biomimetics</b></p> <p><i>Organised by Dagmar Voigt (Germany)</i></p>	<p><b>Malcolm Burrows</b>          Esther Appel, Katja Kuitunen, Stanislav N. Gorb          Kristina Karlsson Green, Alexander Kovalev, Erik I Svensson, Stanislav, N Gorb          Catherine Loudon          Joanna Mackisack          Gunther Tschuch, Peter Lindemann, Gerald Moritz          Gabriele Uhl</p>	<p><b>Neural and mechanical mechanisms that enable an insect to jump rapidly and powerfully</b>          Development of the water-repellent wax layer on damselfly wings          Using biomechanics to study sexual conflict: male adhesion and female polymorphism in diving beetles          Impalement of bed bugs by plant trichomes          Conflict and Courtship: Mating in a New Zealand Cave Weta          Unusual wax filaments of the felt scale insect <i>Callococcus acacia</i> (Sternorrhyncha: Coccoidea: Eriococcidae)          What determines the efficacy of mating plugs in protecting paternity?</p>	<p><b>Keynote</b></p>
<p><b>Tuesday pm</b></p>	<p><b>Movement, dispersal, invasion</b></p> <p><i>Organised by Calvin Dytham (UK) and Nicolas Schtickzelle (Belgium)</i></p>	<p><b>Dries Bonte</b>          Carly Benerfer, Edward Codling, Rod Blackshaw          Jason W Chapman, Don R Reynolds          Matthew P Hill, John S Terblanche          Hayley BC Jones, James R Bell, Jane K Hill, Jason W Chapman</p>	<p><b>The ecology and evolution of dispersal: insights from spiders and other interesting arthropods</b>          Modelling intra- and inter-individual differences in ground beetle walking movements using fine-scale data collected from a locomotion compensator.          Convergent patterns of long-distance nocturnal migration in noctuid moths and passerine birds.          How common are adaptive niche shifts in insect invasions?          The role of dispersal capability in the long-term population dynamics of British macro-moths.</p>	<p><b>Keynote</b></p>

		Sizah Mwalusepo, Estomih S. Massawe, Henri Tonnang, Bruno Le Ru	Modelling the impact of climate changes to the maize stem borer communities along altitudinal gradients in East Africa	
		Elva JH. Robinson, Zoe Cook, Dan W Franks	Dispersal by nest budding in invasive ants: how communication networks between nests promote foraging success and transport efficiency.	
<b>Tuesday pm</b>	<b>European Issues in Insecticide Resistance: Mechanisms and Management</b>	<b>Mark JI Paine</b>	<b>From pyrethroids to the pyrethrome: fresh insight on metabolic insecticide resistance and its impact on vector control</b>	<b>Keynote</b>
		Luc Swevers, Evangelia Morou, Maria Riga, Christos Meristoudis, Vassiliki Labropoulou, Thomas Van Leeuwen, Maria Konstantopoulou, John Vontas, Kostas Iatrou	Insect cell-based expression of insecticide metabolizing enzymes and screening of plant extracts for interference with enzymatic function	
		Sabina Bajda, Wannes Dermauw, Luc Tirry, Thomas Van Leeuwen	Two decades of mitochondrial electron transport inhibitors (METIs) - from molecular resistance mechanisms to resistance management	
		Joel González-Cabrera, TG Emyr Davies, Linda M Field, Peter J Kennedy, Martin S Williamson Ralf Nauen, Denise Steinbach	An Amino Acid Substitution (L925V) Associated with Resistance to Pyrethroids in <i>Varroa destructor</i> Diamide insecticides: implications of target-site resistance for resistance management	
		A Tsagkarakou, A Ilias, M Riga, D Kapaintadaki, J Lagnel, E Morou, E Roditakis, J Marountas, C Louis, J Vontas Mike Coleman	Insecticide resistance in agricultural pests: from mechanisms to resistance management Title TBA	
<b>Tuesday pm</b>	<b>Conservation ecology of European saproxylic insects</b>	<b>Kamal JK Gandhi</b>	<b>Spatial and temporal patterns of responses of saproxylic beetles to forest fires in North America.</b>	<b>Keynote</b>
		Adam Bates	Temporal and weather related controls of the emergence, flight and foraging behaviour of the Noble Chafer <i>Gnorimus nobilis</i> (Coleoptera: Scarabaeidae): a rare beetle associated with old traditionally managed orchards	
		Max Blake	Conservation genetics of Noble Chafer <i>Gnorimus nobilis</i> (Coleoptera: Scarabaeidae): effects of habitat fragmentation on contemporary and historical population connectivity.	
		Stefano Chiari, Agnese Zauli, Paolo Audisio, Alessandro Campanaro, Pier Francesco Donzelli, Federico Romiti, Glenn P Svensson, Massimiliano Tini, Giuseppe M Carpaneto	Comparison of capture methods to monitor presence, abundance and survival probability of the European stag beetle <i>Lucanus cervus</i> (Coleoptera: Lucanidae).	
		Mats Jonsell	Harvest of bioenergy wood after clear cutting - effects on saproxylic beetles	
		Mattias C Larsson, Deborah Harvey, Joe Burman	Pheromone-based monitoring: a game changer for saproxylic insect conservation.	
		Estefania Mico	Exploring the effects of physical, chemical and biological factors on communities of saproxylic beetles of tree holes	
<b>Tuesday pm</b>	<b>Symbiotic interactions between insects and microorganisms</b>	<b>Jacobus J Boomsma, Sandra B Andersen, David R Nash, Panagiotis Sapountzis, Morten Schiøtt</b>	<b>The bacterial symbiomes of fungus-growing ants</b>	<b>Keynote</b>
		Nicole M Gerardo, Ben J Parker	How protective symbionts impact aphid responses to fungal pathogens	
		Ekaterina Grizanov, Ivan Dubovskiy, Victor Glupov, Tariq Butt	Gut associated resistance mechanisms of <i>Galleria mellonella</i> (Lepidoptera, Pyralidae) larvae selected for resistance to <i>Bacillus thuringiensis</i>	
		Matt Hutchings	Leaf-cutting ants and their actinomycetes	

	<i>Organised by Richard Samuels (Brazil)</i>	Edouard Jurkevitch, Michael Ben-Yosef, Boaz Yuval	Ontogeny-Dependent Nutritional Complementation by Bacterial Symbionts in the Olive <i>Bactrocera oleae</i> (Rossi)
		Richard Ian Samuels, Adriano Rodrigues de Paula, Aline Teixeira Carolino	Why are entomopathogenic fungi so interesting for the control of adult mosquitoes?
		Jayme A Souza-Neto, Jaqueline Jarusevicius, Letícia Oda, Letícia T Gushi	Dissecting the reciprocal tripartite interactions between dengue virus, mosquitoes and the gut microbiota

<b>Wednesday</b>	<b>Aboveground-belowground interactions</b>  <i>Organised by Scott McKenzie (UK)</i>	<b>Jeff Harvey</b>  Alison Bennett, Ali Karley, Niall Millar  Matthias Erb  Kiran R Gadhave, Alan C Gange  Ivan Hiltbold  Martine Kos, Martijn Bezemer  Moniek van Geem, Jeff A. Harvey, Rita Gols	<b>Above- below ground multitrophic interactions: Current knowledge and future challenges.</b>  The influence of aphid intra-specific variation in above-belowground interactions.  Mechanisms of leaf-herbivore induced root resistance in maize  Interactions between plant growth promoting Bacillus and foliar feeding insects.  Systemic vs. local root volatile emissions; where clarity matters.  Disentangling above- and belowground effects of neighbouring plants on aboveground arthropods.  Reciprocal effects of BG and AG herbivory on AG and BG herbivores and an AG parasitoid on wild cabbage.	<b>Keynote</b>
<b>Wednesday am</b>	<b>Ecologically-Based Pest Management in Field Crop Agroecosystems: Global Perspective</b>  <i>Organised by Megha Parajulee (USA)</i>	<b>Megha N. Parajulee</b>  David George, Pat Croft, Maureen Wakefield, Felix Wäckers Laisvune, Duchovskiene. Rimantas, Tamosiunas. Elena, Surviliene. Alma, Valiuskaite. Neringa, Rasiukeviciute. Edita, Dambrauskiene. Rasa, Karkleliene. Vytautas, Zalatorius  GM Gurr, ZR Zhu, ZX Lu, PY Zhu, HV Chien, L Lan, J Catindig, G Chen, KL Heong  AJ Karley, C Mitchell, K Preedy, J Graham, R Brennan, C Macfarlane, A Prashar, T O'Neill, H Roberts, SN Johnson  Johan Vlaenderen , Conor Meade, Christine Griffin	<b>Ecologically-intensive arthropod pest management in cotton agroecosystems in the Texas High Plains: Integration of pest management components in a basic-applied continuum</b>  Flower power's 'all in the mix' for multi-functional field margins  Diamondback moth ( <i>Plutella xylostella</i> L.) parasitoid ( <i>Dedegma fenestralis</i> Holmgr.) population density in sustainable growing of white cabbage  Ecological engineering for rice pest management in Asia  Going underground: identifying root traits for vine weevil resistance using ecophysiological tools  Inoculation and persistence of three entomopathogenic fungi as endophytes in Sitka spruce and lodgepole	<b>Keynote</b>
<b>Wednesday am</b>	<b>Pentatomid pests and associated microbes</b>  <i>Organised by Thomas A Miller (USA)</i>	<b>Yoshitomo Kikuchi</b>  Walker A Jones, presented by Livy Williams  Joon-Ho Lee  Thomas A Miller  Yong-Lak Park  Paula M Shrewsbury, Ashley L Jones, Michael J Raupp, Cerruti RR Hooks  Adam R Zeilinger, Dawn M Olson, and David A Andow	<b>Effect of climate change on the southern green stinkbug <i>Nezara viridula</i> and its symbiotic bacteria</b>  Classical biological control programmes against invasive pentatomoids in North America  Pentatomids problems in Korea: Current and future perspective  Antestiopsis thunbergii ghesquierei Carayon and microbe causing coffee flavour defects  Brown Marmorated Stink Bug in North America  Survey and impact of indigenous natural enemies of the invasive brown marmorated stink bug, <i>Halyomorpha halys</i> , in the United States  Pentatomid cotton pests in southeastern United States: Shifting pest status and the role of microbes in crop loss	<b>Keynote</b>



<p><b>Wednesday am</b></p>	<p><b>Regulation of insect physiology and behaviour</b></p> <p><i>Organised by Neil Audsley (UK) and Elwyn Isaac (UK)</i></p>	<p><b>Julian AT Dow, Kenneth A Halberg, Pablo Cabrero, Anthony J Dornan, Alejandro H Uribe, Selim Terhzaz, Shireen A Davies</b></p> <p>Amanda Bretman, Irina Mohorianu, Tracey Chapman</p> <p>Senne Dillen, Sven Zels, Pieter Van Wielendaele, Jornt Spit, Ron Nachman, Jozef Vanden Broeck</p> <p>Martha Koukidou, Luke Alpey</p> <p>Matthias Soller, Irmgard U. Haussmann, Yash Hemani, Thilini Wijesekra, Brigitte Dauwalder</p> <p>Christian Wegener, Jiangtian Chen, Jan A Veenstra, Wencke Reiher</p> <p>Dušan Žitňan, Ivana Daubnerová, Ladislav Roller, Michael E Adams</p>	<p><b>A tale of two cells: post-genomic insights into insect renal function</b></p> <p>Investigating the mechanisms underlying male plastic responses to sperm competition threat</p> <p>Peptidergic control of food intake and digestion in insects</p> <p>RIDL technology for insect &amp; disease control</p> <p>Multiple pathways mediate the sex-peptide-regulated switch in female <i>Drosophila</i> reproductive behaviors</p> <p>Pleiotropic and subset-specific functions of allatostatin A cells in the fruit fly <i>Drosophila</i></p> <p>Regulation of ETH release from endocrine Inka cells</p>	<p><b>Keynote</b></p>
<p><b>Wednesday am</b></p>	<p><b>Ticks and mites</b></p> <p><i>Organised by Gabriela Margos (Germany)</i></p>	<p><b>Daniel E Sonenshine, R Michael Roe</b></p> <p>Lorenza Beati, Cynthis Chan, Jenny Dickson, John Ludwig</p> <p>L Kurzrock, R Oehme, P Sebastian, S Lorentz, T Naucke, U Mackenstedt</p> <p>Andrew GS Cuthbertson, Archie K Murchie</p> <p>Michail Kotsyfakis, Alexandra Schwarz, Stefan Tenzer, Jan Erhart, Aslihan Gerhold-Ay, Johanna Mazur, Jörg Kuharev, José MC Ribeiro</p> <p>Nick H Ogden, Patrick A Leighton, L Robbin Lindsay</p> <p>David George, Robert Finn, Kirsty Graham, Monique Mul, Jonathan Guy, Christina Strube, Fiona Tomley, Pedro Hernández-Crespo, Ole Kilpinen, Helena Eriksson, Øivind Øines, Gerald Coles, Tristan Cogan, Kathryn Stafford, Alasdair Nisbet, Olivier Sparagano</p>	<p><b>Important advances in our knowledge of tick biology may transform the future control of ticks and tick-borne diseases</b></p> <p><i>Ixodes scapularis</i> Say, 1821: population genetics and phylogeographical history revisited</p> <p>Distribution of <i>Rickettsia</i> spec. on the Canary Islands, Spain</p> <p>Mis-identification of a beneficial mite species in Northern Irish apple orchards</p> <p>Systems biology analysis of <i>Ixodes ricinus</i> attachment in the animal host</p> <p><i>Ixodes scapularis</i> and <i>Borrelia burgdorferi</i> invasion in Canada</p> <p>The poultry red mite <i>Dermanyssus gallinae</i>: Developing novel management solutions for a complicated and neglected pest</p>	<p><b>Keynote</b></p>
<p><b>Wednesday am</b></p>	<p><b>Insect-virus interactions</b></p> <p><i>Organised by Ben Longden (UK) and Darren Obbard (UK)</i></p>	<p><b>Jean-Luc Imler</b></p> <p>Isabelle Dietrich, Esther Schnettler, Ilaria Castelli, Anna-Bella Failloux, Alain Kohl</p> <p>Anastasia Gardiner, David Lepetit, Marie-Christine Carpentier, Julien Varaldi</p> <p>Eyal Maori</p> <p>Katherine E Roberts, S Paterson, M Boots</p> <p>Lena Wilfert</p> <p>Kenneth Wilson, David Grzywacz, Wilfred L Mushobozi, Robert I Graham</p>	<p><b>The <i>Drosophila</i> model for host-virus interactions</b></p> <p>The role of mosquito RNA interference pathways in Rift Valley fever virus infection</p> <p>A behaviour-manipulating virus in a parasitic wasp</p> <p>Inherent environmentally mediated transmissible RNA silencing pathway in honey bees</p> <p>How Resource Quality Modulates the Evolutionary Immune Response to a Viral Pathogen</p> <p>Pollinator viruses: multi-host pathogens and species declines</p> <p>Spatio-temporal dynamics of baculovirus infections in a migratory insect crop pest, the African armyworm</p>	<p><b>Keynote</b></p>
<p><b>Thursday am</b></p>	<p><b>Metamorphosis: development, immunity, symbiosis and life-history evolution</b></p>	<p><b>Deniz Erezylmaz</b></p> <p>Tobin J Hammer, Noah Fierer</p>	<p><b>Evolution of metamorphosis in insects; a <i>broad-based</i> view.</b></p> <p>Holometaboly and the holobiont: dynamics of the lepidopteran microbiome during host development</p>	<p><b>Keynote</b></p>



		Gianluca Tettamanti, Eleonora Franzetti, Davide Romanelli, Morena Casartelli, Silvia Cappellozza, Magda de Eguileor Andreas Vilcinskis	Development of silkworm midgut: a matter of life and (or) death Metamorphosis and immunity in the lepidopteran model host <i>Galleria mellonella</i>	
	<i>Organised by Paul Johnston (Germany)</i>	Barbora Konopova Kim Furbo Rewitz Paul Johnston	(Title TBA) (Title TBA) (Title TBA)	
<b>Thursday am</b>	<b>Targeting mosquito olfaction for infectious disease transmission control</b>  <i>Organised by Kostas Iatrou (Greece)</i>	<b>Anandasankar Ray</b>  Nicole L Achee  Joseph C Dickens  Kostas Iatrou, Maria Konstantopoulou, Kostis Koussis, Georgia Kythreoti, Thomas Kröber, Patrick M Guerin, T Samson Awolola, Panagiota Tsitoura Walter S Leal  Willem Takken, Alexandra Hiscox, Renate Smallegange, Richard Mukabana, Collins Mweresa Spyros E Zographos, Katerina E Tsitsanou, Cristina E Drakou, Elias Eliopoulos, Trias Thireou, Kostas Iatrou, Kostas Koussis, Georgia Kythreoti, Patrick M Guerin, Thomas Kröber	<b>A new generation of odorants for "mask", "push" and "pull" in mosquitoes</b> Spatial Repellents for Mosquito Vector Control Multiple chemosensory targets for discovery of novel chemicals for disruption of mosquito behavior New mosquito repellents of natural origin: screening platforms for discovery and modes of action From genome to behavior: oviposition attractants for <i>Culex quinquefasciatus</i> Synthetic odour blends for removal trapping of malaria mosquitoes OBP-structure-aided repellent discovery: An emerging tool towards the prevention of mosquito-borne diseases	<b>Keynote</b>
<b>Thursday am</b>	<b>Entomological Outreach</b>  <i>Organised by Luke Tilley (UK) and Adam Hart (UK)</i>	Peter MJ Brown, Helen E Roy Anna Platoni, Andrew Salisbury  Richard Halfpenny, Angela Priestman  Peter Smithers Andrew Whitehouse  Jeremy N McNeil  Luke Tilley  <i>all</i>	Ladybird outreach projects in Britain 'What's eating my plants?' Using a gardeners advisory service for science Odours, air and excitement! On the design and build of a dual choice olfactometer using an interactive video blog The Art of Entomology The Oil beetle Hunt – engaging the public with recording an obscure group of insects Are Humans really smarter than insects?: Outreach for the general public and politicians National Insect Week – What do people want to know about insects? <i>Discussion</i>	
<b>Thursday am</b>	<b>Diversity and Biology of Thrips</b>  <i>Organised by Gerald Moritz (Germany)</i>	<b>Laurence Mound</b>  E Alves-Silva, K Del-Claro  Dominic Collins  Heming, Bruce, Gerald Moritz  William Kirk  Stephanie Krueger, Sevgan Subramanian, Saliou Niassy, Gerald Moritz  Alison Scott-Brown	<b>Fifty years of thrips biological diversity- progress and prognosis</b> Disruption of an ant-plant mutualism: Herbivore thrips affect fruit set and fruit dispersion of extrafloral nectaried Malpighiaceae The impact of human trade on thrips distributions and biodiversity Thysanoptera - who are my relatives? Thrips communication and pheromones Sternal glands in Legume flower thrips, <i>Megalothrips sjostedti</i> and some other economically important thrips species (Thripidae) Influence of leaf morphology and chemistry on host selection of the thrips <i>Heliethrips haemorrhoidalis</i> (Bouché) among diverse glasshouse collections	<b>Keynote</b>
<b>Thursday am</b>	<b>Virulence strategies and immune interactions</b>	<b>Michael R Strand</b>  Magda L Atilano, Rupal Mistry, Sergio Filipe, Petros Ligoxygakis  George K Christophides	<b>Insect-microbe interactions: evolutionary patterns of pathogenesis and symbiosis</b> <i>S. aureus</i> changes during adaptation to the <i>Drosophila melanogaster</i> immune system. Blocking malaria transmission in mosquitoes	<b>Keynote</b>

	<i>Organised by Francesco Pennacchio (Italy)</i>	Jean-Michel Drezen, Annie Bézier, Appoline Pichon, Véronique Jouan, Georges Periquet, Gabor Gyapay, Valérie Barbe, Elisabeth A. Herniou, Elisabeth Huguét, Nathalie Volkoff F Pennacchio, G Di Prisco, D Annoscia, F Nazzi Marylène Poirié, Dominique Colinet, Emeline Deleury, Caroline Anselme, Dominique Cazes, Julie Poulain, Maya Belghazi, Jean-Luc Gatti Andreas Vilcinskis, Heiko Vogel	Recurrent domestication of viruses by parasitic wasps to face host immune defenses Effect of stress agents on honeybee immunity and health Improving our knowledge of Leptopilina parasitoids venom : estimation of intra and inter-specific variation and development of an RNAi approach Microsporidia as bioweapons of the invasive ladybird <i>Harmonia axyridis</i>	
<b>Thursday am</b>	<b>Western Corn Rootworm Management in Europe and the United States: Recent Developments and Challenges</b>  <i>Organised by Michael Gray (USA) and Mario Schumann (Germany)</i>	<b>Matthias Erb, Christelle Robert</b>  <b>Aaron J Gassmann</b>  Michael E Gray  Lance J Meinke, Blair D Siegfried, David S Wangila  Mario Schumann, M Brandl, M Przyklenk, M Vemmer, A Patel, S Vidal Ivan Hiltpolda, Bruce E Hibbard Eileen Knorr, Linda Bingsohn, Andreas Vilcinskis	<b>The western corn rootworm as a model for rhizosphere chemical ecology</b>  <b>Bt resistance by western corn rootworm: challenges and considerations for managing pests with less than a high-dose Bt crop</b>  Western corn rootworm: <i>Diabrotica virgifera virgifera</i> LeConte (Coleoptera: Chrysomelidae) resistance to Bt maize and crop rotation: management challenges and opportunities Adaptation by <i>Diabrotica virgifera virgifera</i> LeConte (Coleoptera: Chrysomelidae) to management practices in Nebraska (USA): historical and current perspectives Behavioural based management options against western corn rootworm larvae To resist or not to resist? An insect dilemma on Bt maize RNAi-mediated protection of crops against pest insects	<b>Keynote</b>  <b>Keynote</b>
<b>Thursday pm</b>	<b>Olfaction and Chemical Ecology 1</b>  <i>Organised by Walter Leal (USA)</i>	<b>Leslie Vosshall</b> Mauricio S. Bento Sharon Hill Walter S Leal James Logan Wynand M Van der Goes van Naters, Jodie F Wren Jing-Jiang Zhou	<b>Neurogenetics of mosquito host-seeking behavior</b> Weather forecasting by insects: sexual behavior changes as atmospheric pressure varies Specificity and sensitivity of chemoreceptors -- a mosquito story DEET reception in <i>Culex quinquefasciatus</i> Understanding and Exploiting Vector-Pathogen-Host Interactions Inhibition between olfactory receptor neurons modifies odor coding in <i>Drosophila</i> Ligand binding specificity: the link between insect molecular biology and chemical ecology.	<b>Keynote</b>
<b>Thursday pm</b>	<b>Perspectives on the global emergence of <i>Culicoides</i>-borne arboviruses</b>  <i>Organised by Simon Carpenter (UK) and Tim Lysyk (Canada)</i>	<b>Bradley A Mullens</b> Laura Burgin, Christopher Sanders, Simon Carpenter, Simon Gubbins Claire Garros, Stéphanie Jacquet, Karine Huber, Sylvain Guichard, Annelie Tran, Hélène Guis, Marie-Laure Setier-Rio, Jean-Claude Delécolle, Thomas Balenghien Georgette Kluiters, Dave Sugden, Helene Guis, K. Marie McIntyre, Karien Labuschagne, Maria Jose Vilar, Matthew Baylis Beth Purse, Mudassar Chanda, Simon Carpenter, Paul Bessell, Steven White, Stephanie Schafer, Stuart May, Kate Searle Rhiannon Silk, Ramiro Morales-Hojas, Malcolm Hinsley, Paul Kersey, Mark Fife, Eva Veronesi and Simon Carpenter	<b><i>Culicoides</i> Research Progress: What is the State of Our Art?</b> A model for long-distance dispersion of <i>Culicoides</i> and its role in the management of arbovirus spread <i>Culicoides imicola</i> , a recent invader in the Mediterranean Basin? Measuring between-farm variation in <i>Culicoides</i> (Diptera: Ceratopogonidae) density, the vectors of bluetongue virus Modelling impacts of ecological complexity and environmental changes on <i>Culicoides</i> -borne diseases – how much detail do we need? Identification of vector competence traits in <i>Culicoides sonorensis</i> , the North American vector of bluetongue virus	<b>Keynote</b>

<b>Thursday pm</b>	<b>Insect Diversity and Ecosystem Function</b>  <i>Organised by Wolfgang Weisser (Germany)</i>	Dietrich Klimetzek, Carsten F. Dormann  Francisca B Sconce, Ivan G Grove, Simon R Leather Jean-Jacques Itzhak Martinez, Liraz Cabra, Meital Freibah, Ziv Amar, Oren Reichmann Stuart Norris, Rod Blackshaw, Phil Murray  Temitope Kehinde, Michael Samways  Klaus Birkhofer  Teja Tschamtko AF Martinou, I Angelidiou, Ch Apostolidou, D Demetriades, MC Stavrinides	Distribution and persistence of Red Wood Ant nests: A geostatistical approach to 45 years of settlement  Diversity in a detritivore community: an agroecosystem context  The impact of feeders in pastures on ant communities  Elucidating the effects of maize cultivation on above and below ground invertebrate food webs  Insect-flower interactions: network structure in organic vs. conventional vineyards  Land-use effects on the functional diversity of terrestrial invertebrate communities  Bee diversity and pollination success  Evaluation of the ecosystem service of biocontrol and functional biodiversity in a Mediterranean agroecosystem	
<b>Thursday pm</b>	<b>Use of insects as in vivo screening systems</b>  <i>Organised by Kevin Kavanagh (Ireland)</i>	<b>Andreas Vilcinskas</b>  G Benkovskaya, Y Nikonorov, T Akhmetkireeva  Niall Browne, Claire Gallagher, Martin Clynes, Kevin Kavanagh  Małgorzata Cytryńska, Agnieszka Zdybicka-Barabasa, Sylwia Stączeka, Aneta Sowa-Jasińska, Marta Palusińska-Szyszb, Paweł Mak Andrew P Desbois  Ivan Dubovskiy Hiroshi Hamamoto, Jyunichiro Yasukawa, Kenichi Ishii, Paudel Atmika, Kazuhisa Sekimizu	<b>Insect models in preclinical research and epigenetics</b>  Ecdysone and heat stress: protective effects in <i>Musca domestica</i> L. larvae.  Age increases the susceptibility of <i>Galleria mellonella</i> larvae to bacterial and fungal infection  The role of defense peptides and proteins in immunity of alternative model host, <i>Galleria mellonella</i>  <i>Galleria mellonella</i> : a versatile infection model for assessing antibiotic efficacy and virulence of microbial pathogens  Insect-microbe interactions  Silkworm as an animal model for novel antibiotic development	<b>Keynote</b>
<b>Thursday pm</b>	<b>Transgenic Insects</b>  <i>Organised by Luke Alphey (UK)</i>	<b>Yongping Huang, Zhiqian Li, Baosheng Zeng, Jun Xu, Yueqiang Wang, Lang You, Anjiang Tan</b> Nina Alphey, Mike Bonsall  Paul Eggleston, Janet Meredith, Victoria Carter, Hilary Hurd, Clare McArthur, Ann Underhill  Andrew R McKemey, Camilla Beech, Luke Alphey  Max Scott, Carolina Concha, Fang Li, Holly Wantuch, Rebecca Linger, Esther Belikoff, Nambi Palavesam, Agustin Sagcal, Steven Skoda and Felix Guerrero Martha Koukidou, Luke Alphey and Simon Warner Roberto Galizi, Federica Bernardini, Lindsey A. Doyle, Austin Burt, Barry L. Stoddard, Andrea Crisanti, Nikolai Windbichler	<b>Genome editing of silkworm for exploitation of gene function</b>  Interplay of population genetics and dynamics in the genetic control of mosquitoes.  Transgenic mosquitoes and killer bee molecules: can self-docking strains of <i>Anopheles gambiae</i> help engineer a malaria transmission blockade?  Genetically engineered mosquito for control of Dengue vector - <i>Aedes aegypti</i>  Transgenic sexing systems for genetic control of the New World Screwworm <i>Cochliomyia hominivorax</i> and the Australian sheep blow fly <i>Lucilia cuprina</i>  Genetic Engineering for Control of Pest Tephritid fruit flies  Molecular DIY: Building a selfish Y chromosome in the malaria mosquito	<b>Keynote</b>
<b>Thursday pm</b>	<b>Managing wireworms in a changing environment</b>	<b>Robert S Vernon, Willem G van Herk, Todd Kabaluk, Roderick Blackshaw</b>  Aaron D Esser, Ivan Milosavljevic, David A Crowder Frauke Mävers, Mario Schumann, Pascal Humbert, Marina Vemmer, Wilhelm Beitzel-Heineke, Edmund Hummel, Jonas Treutwein, Hubertus Kleeberg, Anant Patel, Stefan Vidal	<b>Notable British invasions into Canada: 'The Beatles', and wireworms (Coleoptera: Elateridae)</b>  Managing Wireworms in Washington State's Cereal Grain Systems  Evaluation of attractants in an attract-and-kill approach for wireworm control	<b>Keynote</b>

	<i>Organised by Rod Blackshaw (UK)</i>	C Noronha, D Carragher	Effect of spring vs. fall plowing with and without glyphosate on wireworm populations and their susceptibility to pesticides
		Paolo Racca, Jeanette Jung, Juliane Schmitt, Benno Kleinhenz	SIMAGRIO-W: Predicting the appearance of wireworms in the upper soil level in relation to meteorological data and soil parameters
		Juliane Schmitt, Paolo Racca, Jeanette Jung, Benno Kleinhenz	Prediction of first appearance and activity of selected <i>Agritotes</i> species with SIMAGRIO-B
		Michael Traugott, Karin Staudacher, Nikolaus Schallhart, Corinna Wallinger	Unravelling the feeding ecology of herbivorous wireworms offers new perspectives for their control

<b>Friday am</b>	<b>Biological Control</b>  <i>Organised by Steve Wratten (New Zealand), Geoff Gurr (Australia), James Harwood (USA), Nick Sotherton (UK)</i>	<b>Teja Tschardtke</b>	<b>Autonomous biological control in agroecosystems</b>	<b>Keynote</b>
		James D Harwood	Predator-prey trophic relationships in response to organic management practices	
		John Holland	Utilising agri-environment habitats for biocontrol	
		Mattias Jonsson, Adrien Rusch, Riccardo Bommarco, Barbara Ekbon, Henrik Smith, Camilla Winqvist, Berta Caballero-Lopez, Jan Bengtsson, Ola Olsson	Predicting biological control of cereal aphids across agricultural landscapes	
		José Roberto Postali Parra, Alexandre José Ferreira Diniz, Jaci Mendes Vieira, Gustavo Rodrigues Alves	New approach in Biological Control using <i>Tamarixia radiata</i> to control the Asian Citrus Psyllid, <i>Diaphorina citri</i>	
		Wopke van der Werf	Habitat management for supporting mobile-agent based ecosystem service provision in agricultural landscapes – modelling for decision making	
		Steve Wratten, Geoff Gurr	Conservation biological control of pests: progress, challenges and prospects	
<b>Friday am</b>	<b>Olfaction and Chemical Ecology 2</b>  <i>Organised by Markus Knaden (Germany)</i>	<b>Jeffrey A Riffell</b>	<b>Floral volatile alleles contribute to reproductive isolation through sensory bias in monkeyflower-bumblebee interactions</b>	<b>Keynote</b>
		Jean-Christophe Billeter, Samyukta Jagadeesh, Christoph Gahr, Joel D. Levine	The nutritional and hedonic value of food modulates mating frequency and progeny production in <i>Drosophila melanogaster</i> females.	
		Cornelia Buehlmann, Paul Graham, Bill S. Hansson, Markus Knaden	Desert ants learn and use olfactory route landmarks	
		Markus Knaden, Michael Thoma, Shima Ebrahim, Hany Dweck, Bill Hansson	Odour-guided behaviour in <i>Drosophila melanogaster</i>	
		Aljoscha Schulze, Alex Gomez-Marin, Vani Rajendran, Parvez Ahammad, Vivek Jayaraman, Matthieu Louis	When light makes scents: Using optogenetics to explore the sensory representation of dynamic odor stimuli in <i>Drosophila</i> larvae	
		Kathrin Steck, Célia Baltazar, Ana Paula Elias, Carolina Doran, Carlos Ribeiro	Making sense of yeast sensing	
		Barbara Webb	Modelling the effects of associative learning on olfactory localisation behaviour.	
<b>Friday am</b>	<b>Forensic Entomology</b>  <i>Organised by Marta I Saloña-Bordas (Spain)</i>	<b>Neal Haskell</b>	<b>You May Not Even Need to be a Forensic Bug, but Temperature Always Matters</b>	<b>Keynote</b>
		Jens Amendt, Anna Trojanowski	Sisyphus in forensic entomology: Phenotypic plasticity of necrophagous insects	
		Poulomi Bhadra, Andrew Hart, Martin Hall	Factors affecting accessibility to blowflies of bodies disposed in suitcases	
		Henk R Braig	From Insects to Mites: from classic tales of bioterrorism to trace evidence in forensic acarology	
		C Moffatt, T Simmons	Forensic entomology research at the University of Central Lancashire's TRACES decomposition facility	



		M Alejandra Perotti, Marta I Saloña-Bordas, Henk R Braig	Hidden passengers or microscopical witnesses: the phoretic mites of forensically important insects	
		Ildikò Szelecza, Franziska Sorge, Nina Feddern, Christophe Seppey, Matthieu Mulot, Jens Amendt, Edward Mitchell	Impact of cadavers on above- and below-ground invertebrates and soil function	
<b>Friday am</b>	<b>Conservation in the city: ecology of arthropods in urban forests and brownfields</b>	<b>Daniel A Herms, Paula M Shrewsbury, Michael J Raupp</b>	<b>Disasters by design: destabilization of herbivorous insect populations in urban environments</b>	<b>Keynote</b>
	<i>Organised by Mary Gardiner (USA), Steven Frank (USA), Katherine Baldock (UK)</i>	Katherine Baldock, Mark Goddard, Damien Hicks, William Kunin, Nadine Mitschunas, Helen Morse, Lynne Osgathorpe, Simon Potts, Anna Scott, Graham Stone, Jane Memmott	The impact of urbanisation on insect pollinators	
		Steven D Frank, Adam G Dale, Emily K Meineke, Elsa K Youngsteadt	Urban and global increase scale insect fitness and abundance	
		Mary M Gardiner, Caitlin E Burkman, Scott P Prajzner, Denisha Parker, Kacie Athey, James D Harwood	Urban vacant lots as a conservation habitat for beneficial arthropods	
		Michael J Raupp, Holly M Martinson, Paula M Shrewsbury	From the forest to the city: How features of urbanization disrupt ecological processes of arthropods	
		Elsa Youngsteadt, Amy Savage, Rob R Dunn, Steven D Frank	Urban ecosystems in the wake of a superstorm: Arthropod communities withstand extreme flooding in New York City	
<b>Friday am</b>	<b>Water beetles as models in ecology and evolution</b>	<b>Johannes Bergsten</b>	<b>A dated phylogenetic framework for the evolution of Dytiscidae and Gyrinidae</b>	<b>Keynote</b>
	<i>Organised by David Bilton (UK) and Ignacio Ribera (Spain)</i>	Paula Arribas Blázquez	Evolutionary ecology, biogeography and conservation of water beetles in Mediterranean saline ecosystems	
		Emmanuel FA Toussaint, Robert Hall, Michael T Monaghan, Katayo Sagata, Sentiko Ibalim, Helena V Shaverdo, Alfred P Vogler, Joan Pons, Michael Balke	The Towering Orogeny of New Guinea as a Trigger for Arthropod Megadiversity	
		Kelly B Miller	Sex in the Age of Diving Beetles (Coleoptera: Dytiscidae)	
		Porretta Daniele, Mastrantonio Valentina, Sandra Urbanelli	Natural selection and Speciation in <i>Ochthebius</i> beetles	
		David Sánchez-Fernández	Use of Iberian water beetles in the conservation of freshwater biodiversity	
		Donald A Yee, Carmen Bofill, Kristopher A Pitcher	Can't we all just get along? Ecological factors that explain co-occurrence patterns of predaceous diving beetles	
<b>Friday am</b>	<b>Managing Rhynchophorus ferrugineus: a global Challenge</b>	<b>Victoria Soroker, Amots Hetzroni, Pompeo Suma, Alesandra La Pergola, Yafit Cohen, Victor Alchanatis, Ofri Golomb, Eitan Goldshtein, Lior Galazan, Yuval Cohen, Yaara Livne, YaAkov Nakache, Dimitris Kontodimas, Costas Pontikakos, Panos Milonas, Vicente Navarro Lopez, A El Moneam El Banna</b>	<b>Advances in detection and monitoring of red palm weevil infestation</b>	<b>Keynote</b>
	<i>Organised by Aziz Ajlan (Saudi Arabia)</i>	Khalid Alhudaib, Aziz Ajlan, Jose Romeno Faleiro	Genetic diversity of Rhynchophorus ferrugineus population from Saudi Arabia and other countries	
		Barbara Manachini, Maurizio F Brivio, Monica Celi, Maristella Mastore, Franco Palla, Daniela Parrinello, Nicolo' Parrinello, Domenico Schillaci, Debora Russo, Mirella Vazzana, Vincenzo Arizza	Interaction of Rhynchophorus ferrugineus (Olivier) (Coleoptera: Curculionidae) and commercial entomopathogens	
<b>Friday am</b>	<b>Insect Immunity - additional papers</b>	Vincent Doublet, Dino P McMahon, Myrsini E Natsopoulou, Andreas Gogol-Döring, Robert J Paxton	Interactions between two positive-strand RNA viruses of the honeybee.	
	<i>Organised by Klaus Reinhardt (Germany) and Stuart Reynolds (UK)</i>	Simon C Groen, Jack H Westwood, Zhiyou Du, Alex M Murphy, Trisna Tungadi, John P. Carr	A plant virus shapes insect vector behaviour via their shared host plant.	
		Katie Murray, Helen Roy, Matt Tinsley	Assessing the role of host immunity in harlequin ladybird enemy release	

	SAO Armitage, R Peuß, L Woestmann, K Wensing, J Scharsack, J Kurtz	An examination of Dscam in the light of immunity, fecundity and behaviour
--	--	--

---

content © copyright RES 2014 | Registered Charity # 213620 | Site design by  
George Lovett Ltd

Patron - Her Majesty The  
Queen

---

**Source URL:** [http://www.royensoc.co.uk/meetings/20140803\\_ece2014\\_author\\_and\\_programme\\_listing.htm](http://www.royensoc.co.uk/meetings/20140803_ece2014_author_and_programme_listing.htm)