

EurBee3 2008 Programme Overview

update of 4 September 2008

Sunday 7th September 2008	16.00-20.00	REGISTRATION in the MBC foyer of Queen's University Belfast, 97 Lisburn Road (Building 34 of the on-line campus map)		
Monday 8th September 2008	09.00-10.00	Plenary session I Vassya Bankova - Propolis: good for bees, good for humans		
	10.00-10.30	<i>Coffee Break</i>		
	10.30-12.30	Parallel symposia	Bee Management and Hive Products - Organizers: Norman Carreck, Richard Jones, Anna Gloria Sabatini	Colony losses (1) - Organizers: Peter Rosencrantz & Peter Neumann
	12.30-13.30	<i>Lunch</i>		
	13.30-14.30	Plenary session II Tom Seeley - House hunting by honey bees: a study of effective group decision-making		
	14.30-16.00	Parallel symposia	BeeShop: an EU research programme - Organizer: Joachim de Miranda	Behaviour & physiology (1) - Organizers: Jean-Christophe Sandoz, Juliet Osborne
	16.00-16.30	<i>Coffee Break</i>		
	16.30-18.00	Parallel symposia	BeeShop: an EU research programme - Organizer: Joachim de Miranda	Bee genetics (1) - Organizer: Bernhard Kraus
18.30-20.00	<i>Welcome reception in Whitla Hall, sponsored by Belfast City Council</i>			
Tuesday 9th September 2008	09.00-10.00	Plenary session III Martin Giurfa - A taste from the magic well: studies on learning and cognition in honeybees		
	10.00-10.30	<i>Coffee Break</i>		
	10.30-12.30	Parallel symposia	Behaviour & physiology (2) - Organizers: Jean-Christophe Sandoz, Juliet Osborne	Bee genetics (2) - Organizer: Bernhard Kraus
	12.30-13.30	<i>Lunch</i>		
	13.30-14.30	Plenary session IV Steve Martin - Bee diseases: the need for a multidisciplinary approach		
	14.30-15.00	<i>Coffee Break</i>		
	15.00-16.30	Parallel symposia	Colony losses (2) - Organizers: Peter Neumann & Peter Rosencrantz	Pollinator declines: drivers & impacts - Organizers: I Steffan-Dewenter; Koos Biesmeijer
16.30-19.00	<i>Poster session with local cheeses and drinks (plus other small meetings, to be announced at the conference)</i>			
Wednesday 10th September 2008	9.00-10.00	Plenary session V Claire Kremen - Honey bee pollination 'crisis': can native bees take up the slack?		
	10.00-10.30	<i>Coffee Break</i>		
	10.30-12.30	Parallel symposia	10.30 - 11.45 Crop Pollination - Organizer: Arnon Dag THEN	Non-Apis bees - Organizer: Tom Murray
			11.45 - 12.30 Pathogens & diseases (1) - Organizer: Eva Forsgren; Elker Genersch	
	12.30-13.30	<i>Lunch</i>		
	13.30-14.30	Plenary session VI Dave Goulson - Conservation of Bumblebees		
	14.30-16.00	Parallel symposia	Diversity & conservation (1) - Organizer: Ben Darvill, Claire Carvell	Pathogens & diseases (2) - Organizers: Eva Forsgren; Elker Genersch
	16.00-16.30	<i>Coffee Break</i>		
	16.30-18.00	Parallel symposia	16.30-17.00 Diversity & conservation (2) - Organizer: Ben Darvill, Claire Carvell THEN	Pathogens & diseases (3) - Organizers: Eva Forsgren; Elker Genersch
17.00-18.00 Wild Flower pollination - Organizer: Jane Stout				
18.00-	EurBee Members' Meeting			
21.00-late	<i>Céilí (party) in The Empire</i>			
Thursday 11th September 2008	09.00-18.00	EXCURSION Giant's Causeway and Bushmills Distillery		

Monday 8 September

LT1	09:00-10:00	Plenary Lecture: Vassya Bankova	Propolis: good for bees, good for humans
LT1	10:30-12:30	Bee Management and Hive Products <i>Organisers: Norman Carreck, Anna Gloria Sabatini, Richard Jones</i> <i>Chair: Richard Jones</i> 10:30 NL Carreck, R Jones 10:45 E Solórzano, L Maldonado, E Bedascarrasbure, N Vera, R Ordoñez, M Inés Isla 11:00 E Solórzano, L Maldonado, E Bedascarrasbure, N Vera, R Ordoñez, M Inés Isla 11:15 F Hatjina, L Haristos, M Bouga, M Kostarelou, N Emmanouel 11:30 A Gregorc 11:45 L Poljansek, A Gregorc 12:00 M Lodesani, C Costa 12:15 MK Greco	The contribution of Eva Crane to the study of bee products and bee management Antimicrobial activity of total and fractionated propolis extracts from Catamarca, Argentina Comparative study of propolis chemical and functional indicators in the northwestern area of Argentina Quality characteristics of produced honey bee queens in Greece Breeding activities and queen quality monitoring for <i>Apis mellifera carnica</i> in Slovenia Morphological characters and performance of queens reared by different methods Impact of comb distance and hygienic behaviour on the colony parameters and infestation level of <i>Varroa destructor</i> Diagnostic Radioentomology: a new technique for looking inside of things
North LT	10:30-12:30	Colony Losses (1) <i>Organisers: Peter Rosenkranz, Peter Neumann</i> <i>Chair: Peter Neumann</i> 10:30 P Neumann 10:45 K Crailsheim, R Brodschneider, U Riessberger-Gallé 11:00 J van der Steen 11:15 Y Le Conte, M Navajas 11:30 T Blacquiére, B Cornelissen, L Gerritsen, J van der Steen 11:45 L Gauthier, M Ravallec, M Tournaire, J De Miranda, ME Colin, F Cousserans, M Bergoin 12:00 B Dainat, R Kuhn, V Kilchenmann, J-D Charrière, A Imdorf, H Berthoud, P Neumann	An introduction to colony losses Colony losses in Austria and strategies Pitfalls on the way to passive bioindication and biomonitoring of atmospheric deposition of heavy metals with honey bee colonies (<i>Apis mellifera</i>) New haplotypes of the parasitic mite <i>Varroa destructor</i> on <i>Apis mellifera</i> in Asia: a permanent threat for apiculture? Colony losses and the timing of <i>Varroa</i> control Identification of honey bee (<i>Apis mellifera</i> L.) queen pathologies in France Colony losses: the potential role of the interface between viruses and <i>Varroa destructor</i>
LT1	13:30-14:30	Plenary Lecture: Tom Seeley	House hunting by honey bees: a study of effective group decision-making
LT1	14:30-16:00	BeeShop: an EU research programme <i>Organiser & Chair: Joachim de Miranda</i> 14:30 RFA Moritz 14:40 AG Sabatini 14:50 K Bilíková, J Simúth 15:05 J de Miranda 15:15 O Yañez, R Jaffé, I Fries, RFA Moritz, RJ Paxton, JR de Miranda 15:30 A Lindström 15:45 E Frey, S Weller, R Odemer, P Rosenkranz	BeeShop - an overview Honey Department - overview Immunochemical quantification of apalbumin 1 in honey Pathology Department - overview Distribution of deformed wing virus (DWV) variants in honeybee drone populations collected from hives and from drone congregation areas Expression of strain-specific virulence of <i>Paenibacillus larvae</i> on colony and larval level in the honey bee Comparison of population dynamics, hygienic behavior and mite reproduction in honey bee colonies preselected for <i>Varroa</i> tolerance
North LT	14:30-16:00	Behaviour and Physiology (1) <i>Organiser & Chair: Jean-Christophe Sandoz</i> 14:30 R Brodschneider, U Riessberger-Gallé, K Crailsheim 14:45 A Tofilski, K Czekonska 15:00 M Kleinhenz, S Fuchs, J Tautz 15:15 MA Becher, RFA Moritz 15:30 K Crailsheim, C Möslinger, T Schmickl 15:45 E Gattevecchia, S Ghini, A Felicioli, A Nanetti	Rearing honeybees in vitro and letting them fly successfully Development time of honeybee workers in cell of different sizes Usage of brood gaps for incubation of sealed brood in honeybee colonies Modelling brood temperature and colony size in honeybee colonies Trophallaxis of bees inspired a robotic swarm The role of oxalate-decarboxylase in the metabolisation of oxalic acid in <i>Apis mellifera</i>
LT1	16:30-18:00	BeeShop: an EU research programme <i>Organiser & Chair: Joachim de Miranda</i> 16:30 M Giurfa 16:40 M Solignac, F Mougél, D Vautrin 16:55 D Behrens, I Fries, E Forsgren, M Solignac, RFA Moritz 17:10 R Jaffé, V Dietemann, RM Crewe, RFA Moritz 17:25 M Giurfa 17:40 D Titera 17:50 D Titera	Behaviour & Genetics Department - overview Lack of recombination hotspots in the honey bee: consequences for whole genome screening Mapping resistance genes in <i>Apis mellifera</i> against American foulbrood Temporal dynamics of an African honeybee Drone Congregation Area How do bees learn about bad things? From behaviour to molecules; from the laboratory to the field Extension Department - overview Hive bottom monitoring and its use in control of bee diseases
North LT	16:30-18:00	Bee genetics (1) <i>Organiser & Chair: Bernhard Kraus</i> 16:30 M Navajas, J-F Martin, Y Le Conte 16:45 H Schlüns, RH Crozier 17:00 DC De Graaf, M Brunain, FJ Jacobs 17:15 TE Murray, RJ Paxton 17:30 A Jarosch, RFA Moritz 17:45 M Meixner, R Büchler, C Garrido, K Bienefeld, K Ehrhardt	The effect of pathogens and pests on honey bee gene expression Antimicrobial peptide genes regulated by Relish in <i>Apis mellifera</i> New insights into the honeybee venom constituents from proteomic studies and genome database mining The impact of sociality and haplodiploidy on microsatellite gene diversity in the Hymenoptera Systemic RNA-Interference in the honeybee <i>Apis mellifera</i> Breeding for vitality – establishment of a new breeding concept for the future

Tuesday 9 September

LT1	09:00-10:00	Plenary Lecture: Martin Giurfa	A taste from the magic well: studies on learning and cognition in honeybees
LT1	10:30-12:30	<p>Behaviour and Physiology (2) <i>Organiser & Chair: Jean-Christophe Sandoz</i></p> <p>10:30 UR Ernst, T Wenseleers, P Verleyen, D Cardoen, DC de Graaf, L Schoofs, FLW Ratnieks 10:45 G Koleoglu, Z Gulduren, RI Tunca, T Giray, M Kence, A Kence 11:00 G Aronne, M Giovanetti, M Guarracino, V de Micco 11:15 S Spiewok, P Neumann 11:30 M Baude, M Mugabo, E Danchin, I Dajoz 11:45 NE Raine, SC Le Comber, L Chittka 12:00 J Osborne, A Smith, A Reynolds 12:15 N Deisig, M Giurfa, JC Sandoz</p>	<p>Allocation of worker policing in the honeybee <i>Apis mellifera</i> A life history trait, the rate of behavioral development correlates with biogeography of honey bee races Are wind pollinated species an essential source of pollen for the honeybee? Queen fight - an example for lethal intraspecific conflicts Inadvertent social information in plant-pollinator interactions Learning to forage in the floral supermarket Bee searching strategies in the landscape Neural representation of olfactory mixtures in the honeybee brain</p>
North LT	10:30-12:30	<p>Bee genetics (2) <i>Organiser: Bernhard Kraus</i> <i>Chair: Rodolfo Jaffe</i></p> <p>10:30 HMG Lattorff, RM Crewe, M Solignac, RFA Moritz 10:45 K Biliková, H Lehrach, J Simúth 11:00 I Muñoz, R Dall'Olivo, M Lodesani, P De la Rúa 11:15 Palacio, MA; Figini, E; Andere, C; Bedascarrasbure, E 11:30 R Dall'Olivo, I Muñoz, P De la Rúa, M Lodesani 11:45 F Özdi, B Fakhri, AN Khoei, C Erkan, MA Yildiz 12:00 Z Gulduren, S Banerjee, M Kence 12:15 MAA El-Niweiri, RFA Moritz</p>	<p>Nature vs nurture: worker reproduction in honeybees (<i>Apis mellifera</i>) The view on scanty genomic potential of honeybee innate immunity Sequence variation in the mitochondrial tRNA^{Leu}-cox2 intergenic region of African and African-derived honeybee populations A honey bee genetic program in Argentina Estimating introgression in <i>Apis mellifera sicula</i> populations: are the conservation islands really effective? HinfI and DralI digestion of the COI-COII intergenic region in honey bee (<i>Apis mellifera</i> L.) populations from Turkey and western part of Iran Why honeybees are heterozygote for Pgm (Phosphoglucomutase) in winter? The impact of beekeeping on the genetic structure of wild honeybee populations (<i>Apis mellifera yemenitica</i>)</p>
LT1	13:30-14:30	Plenary Lecture: Steve Martin	Bee diseases: the need for a multidisciplinary approach
LT1	15:00-16:30	<p>Colony Losses (2) <i>Organisers: Peter Neumann, Peter Rosenkranz</i> <i>Chair: Peter Rosenkranz</i></p> <p>15:00 G Budge, B Jones, L Laurenson, S Wilkins, S Pietravalle, M Brown 15:15 P Rosenkranz, K Wallner 15:30 A Gregorc, AIS Skerl 15:45 M-P Chauzat, P Carpentier, F Madec, S Bougeard, N Cougoule, P Drajnudel, M-C Clement, M Aubert, J-P 16:00 K Wallner, S Göser 16:15 R Büchler, M Meixner</p>	<p>Historic and recent colony losses in England and Wales The chronology of honey bee losses in the Rhine Valley during spring 2008: an accident caused by the drift of Clothianidin dressed maize seed Lethal and sublethal effects of pesticides on individual bees and their tissues Health of honey bee colonies (<i>Apis mellifera</i>) in France: Role of infectious agents and parasites and influence of pesticide residues Effects of seed dressed and sprayed pesticides on pollen, nectar and honey of oil seed rape Healthier colonies due to brood withdrawal</p>
North LT	15:00-16:30	<p>Pollinator declines: drivers and impacts <i>Organisers and Chair: Ingolf Steffan-Dewenter; Koos Biesmeijer</i></p> <p>15:00 K Biesmeijer 15:15 CL Hutchins, JC Biesmeijer, WE Kunin, M Termansen, J Hogg 15:30 SG Potts, SPM Roberts, R Dean, G Marris, M Brown, R Jones, J Settle 15:40 SPM Roberts, SG Potts 15:50 CA Brittain, R Bommarco, M Vighi, SG Potts 16:00 T Petanidou, A Nielsen, J Dauber, J Biesmeijer, D Gabriel, WE Kunin, W Lamborn, M Moora, B Meyer, SG Potts, V Söber, I Steffan-Dewenter, J Stout, T Tscheulin, M Vaitis, D Vivarelli 16:15 BE Vaissière, N Gallai, G Carré, R Bommarco, K Krewenka, N Morison, SG Potts, SPM Roberts, I Steffan-Dewenter, J-M Salles, H Szentayösvi, C Westphal, M Wociecowski</p>	<p>European wild bees: status and threats Wild bee and plant declines in the UK Status and trends of honeybees in Europe: severe declines in central Europe ALARM: climate change and pollinators Impact of pesticide pressures on pollinator biodiversity at multiple spatial scales Wild plant population structure shapes flower visitor assemblage: a pan-European approach Assessing the potential impact of declining insect pollination service to crops in Europe</p>
Foyer LT2 104 105	16:30-19:00	Poster Session with local cheeses, cider and apple juice	
		in the Foyer of the MBC, Lecture Theatre 2 and seminar rooms 104 and 105, all adjacent to the Foyer of the	

Wednesday 10 September

LT1	09:00-10:00	Plenary Lecture: Claire Kremen	Honey bee pollination 'crisis': can native bees take up the slack?
LT1	10:30-11:45	Crop pollination <i>Organiser and Chair: Arnon Dag</i> 10:30 O Boecking, U Kubersky 10:45 BE Vaissiere, N Morison, G Carré 11:00 A Dag 11:15 Z Koltowski 11:30 JP Holanda Neto, BM Freitas, RJ Paxton	Pollination of high bush blueberry: smaller honey bee colonies seem to provide a better service compared to larger colonies Impact of pollen feeding on the pollinating activity of honey bee colonies in enclosures Improving pollination level in Rosaceae fruit trees The pollinating insects effect on seed setting of <i>Phaseolus coccineus</i> L. cultivars Inadequate cross-pollination and low yield in cashew (<i>Anacardium occidentale</i>) in a managed orchard and its natural habitat
LT1	11:45-12:30	Pathogens and diseases, with viruses (1) <i>Organisers and Chair: Eva Forsgren; Elke Genersch</i> 11:45 C Garrido 12:00 F Nazzi, D Annoscia, F Del Piccolo, F Della Vedova, N Milani 12:15 B Ziegelmann, J Steidle, A Lindenmayer, P Rosenkranz	Colony development, <i>Varroa</i> infestation and virus infections as indicators for vitality of bees Chemical basis of cell invasion by <i>Varroa destructor</i> The distinct mating behaviour of male <i>Varroa</i>
North LT	10:30-12:30	Non-Apis bees <i>Organiser and Chair: Tomás Murray</i> 10:30 SPM Roberts, SG Potts 10:45 A Holzschuh 11:00 A Soro, J Field, C Bridge, RJ Paxton 11:15 RJ Paxton, U Fitzpatrick, MJF Brown, TE Murray 11:30 J Gibbs, L Packer 11:45 M Molet, L Chittka, RJ Stelzer, NE Raine 12:00 FB Kraus, JC Galindo López 12:15 M Giovanetti, D Santoro	Bridging the gap. The amateur/professional interface Landscape composition and organic farming influence bee diversity in agricultural landscapes Genetic differentiation across a social transition: the facultatively eusocial sweat bee, <i>Hallictus rubicundus</i> Revealing cryptic species diversity within the widespread bumble bee <i>Bombus lucorum</i> s.l. using mitochondrial cytochrome oxidase I DNA DNA Barcoding the Bees of the World: a case study from a nightmare taxon Colony nutritional status modulates worker responses to foraging recruitment pheromone in the bumblebee <i>Bombus terrestris</i> Factors influencing the choice of drone congregation sites in the stingless bee <i>Scaptotrigona mexicana</i> Sexual harassment by <i>Andrena aglissima</i> males of foraging females
LT1	13:30-14:30	Plenary Lecture: Dave Goulson	Conservation of Bumblebees
LT1	14:30-16:00	Pathogens and diseases, with viruses (2) <i>Organisers and Chair: Eva Forsgren; Elke Genersch</i> 14:30 E Genersch, M Nordhoff, A Fünfhaus, A Ashiralieva, LH Wieler 14:45 A Lindström 15:00 A B Jensen, J Eilenberg 15:15 J Kralj, S Fuchs 15:30 M Higes, C Botías, E Garrido, M J del Nozal, J L Bernal, A Meana, R Martín-Hernández 15:45 S Mustafa, P Rosenkranz, T Tollasch, H Steidle	News about <i>Paenibacillus larvae</i> Transmission of <i>Paenibacillus larvae</i> spores between and within honey bee colonies Susceptibility of different honey bee subspecies to chalkbrood, <i>Ascosphaera apis</i> Effects of nosemosis on homing abilities and learning Fumagillin can avoid colony collapse if <i>Nosema ceranae</i> is present Sex and aggregation in the Small Hive Beetle <i>Aethina tumida</i> : olfactory and behavioural cues
North LT	14:30-16:00	Diversity & Conservation (1) <i>Organiser and Chair: Ben Davill</i> 14:30 P Rasmont, M Terzo, A Coppée, I Valterova 14:45 G Lye, R Hale, B Davill, D Goulson 15:00 B Davill, S O'Connor, G Lye, J Waters, D Goulson 15:15 CS Sheffield, L Packer, PG Kevan, A Taylor 15:30 A Coppée, P Rasmont, I Valterova 15:45 E Davis, TE Murray, U Fitzpatrick, MJF Brown, RJ Paxton	The species specific cephalic secretions of the homoplastic and oligolectic bumblebees <i>Bombus consobrinus</i> and <i>Bombus gerstaeckeri</i> New Zealand as a Noah's Ark for British bumblebees The influence of dispersal on bumblebee conservation Cleptoparasitic bees (Hymenoptera: Apoidea) for monitoring the status of bee communities, and the potential of DNA barcoding in ecological Sexual pheromones and DNA analyses as tools to recognise <i>Bombus terrestris</i> (L.) taxa Conservation ecology and genetics of a rare mining bee, <i>Colletes floralis</i>
LT1	16:30-18:00	Pathogens and diseases, with viruses (3) <i>Organisers and Chair: Eva Forsgren; Elke Genersch</i> 16:30 A Felicioli, G Bedini, M Pinzauti 16:45 G Topolska 17:00 R van der Zee, O Bakker, M Higes, A Martin Hernandez 17:15 D Kukielka Zunzunegui, JM Sánchez-Vizcaino 17:30 M Ribière, P Blanchard, F Schurr, V Olivier, O Celle, I Massou, R Thiery, J-P Faucon 17:45 E Forsgren, J R de Miranda, M Isaksson, S Wei, IFries	Honeybee myiasis causes unusually relevant loss of honeybee colonies in Italy Virus infections in queen brood from queen rearing apiaries Dutch trial on bee colony losses 2008-2009, first findings Adaptation of real time RT-PCR for the detection of Acute paralysis bee virus and Sacbrood virus Recent advances in Chronic bee paralysis virus study Deformed wing virus associated with <i>Tropilaelaps mercedesae</i> infesting European honey bees (<i>Apis mellifera</i>)
North LT	16:30-17:00	Diversity & Conservation (2) <i>Organiser and Chair: Ben Davill</i> 16:30 MS Heard, C Carvell, JL Osborne, A Martin, AFG Bourke, W Jordan 16:45 RI Tunca, Z Gulduren, T Giray, M Kence, A Kence	Enhancing bumblebees in farmland: interactions between agri-environment schemes and landscape context Morphometric variation in honey bees as revealed by geometric morphometrics and traditional multivariate morphometrics
North LT	17:00-18:00	Wild flower pollination <i>Organiser and Chair: Jane Stout</i> 17:00 HM Whitney, L Chittka, BJ Glover 17:15 KJ Duffy, JC Stout 17:30 P Fletcher, J Cussans, A Mauchline, SG Potts, JL Osborne 17:45 S Wolf, RFA Moritz	Effects of a single plant gene controlling floral morphology on pollinator behaviour Effects of population size, density, and co-flowering species on pollination in <i>Spiranthes</i> (Orchidaceae) Pollination of isolated wild plants in arable ecosystems Pollination potential of bumblebee (<i>Bombus</i> spp.) drones
LT1	18:00	EurBee Members Meeting	