

SECTION 6**Ecology**

CONVENORS: Melodie McGeoch (RSA) and Stig Larsson (Sweden)

08 July 2008

SESSION NO. 2

Symposium Reference No. **6.02** **Ecological immunity of insects** Room No: Hall 2BH
 Symposium Organisers: Robert Knell (UK), Sheena Cotter (UK) & Ken Wilson (UK)

Order	Start	Abstract No.	Presentation Title	Presenting Author
1	09:00	569	The impact of diet on immune function and disease resistance in Spodoptera caterpillars Authors Kenneth Wilson Sonia Povey Sheena Cotter	Kenneth Wilson
2	09:15	1113	Antimicrobial production by fungus-growing ants: phenotype, genotype and an abrupt evolutionary transition in the host-parasite interaction Authors William Hughes Jacobus Boomsma	William Hughes
3	09:30	1859	Female immunity, sperm length and sperm death Authors Luc Bussiere Gioia Schwarzenbach Andrew Pemberton	Luc Bussiere
4	09:45	975	The role of immune defence in avian predation risk on a territorial damselfly Authors Markus Rantala Johanna Honkavaara Jukka Suhonen	Markus Rantala
5	10:00	128	Male morph predicts investment in larval immune function in the dung beetle, <i>Onthophagus taurus</i> Authors Sheena Cotter Leigh Simmons Sheena Cotter	Sheena Cotter
6	10:15	364	Immunity and insect social systems Authors Rob Knell William Hughes	Rob Knell

SESSION NO. 3

Symposium Reference No. **6.012** **Tea Break** Room No: Hall 3ABC
 Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
0	10:30	0	Tea Break Authors	Tea Break

SESSION NO. 4

Symposium Reference No. **6.02** **Ecological immunity of insects** Room No: Hall 2BH
 Symposium Organisers: Robert Knell (UK), Sheena Cotter (UK) & Ken Wilson (UK)

Order	Start	Abstract No.	Presentation Title	Presenting Author
7	11:00	1163	Does copulation corrupt resistance against real pathogens in <i>Tenebrio molitor</i>? Authors Terhi Valtonen Heidi Viitaniemi Markus J. Rantala	Terhi Valtonen
8	11:15	1868	Within host competition and virulence amongst pathogens: A race to the finish or a pound-for-pound fight. Authors Peter Staves Rob Knell	Peter Staves
9	11:30	888	Thermal imaging establishes behavioural fever in the desert locust, <i>Schistocerca gregaria</i> during mycosis Authors Victoria Hunt Gary Lock Keith Charnley	Victoria Hunt
10	11:45	3270	Disease resistance and viral epizootics in western tent caterpillars Authors Judith Myers Jenny Cory	Judith Myers

SESSION NO. 5

Symposium Reference No. **6.025** **Lunch Break & Posters** Room No: Hall 3ABC
 Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
0	12:30	0	Lunch Break & Posters Authors	Lunch Break & Posters

SESSION NO. 6

Symposium Reference No. **6.03** **Omics and ecology and evolution of multitrophic interactions** Room No: Hall 2BH
 Symposium Organisers: Marcel Dicke (The Netherlands) & Louise Vet (The Netherlands)

Order	Start	Abstract No.	Presentation Title	Presenting Author
11	14:00	57	Priming of inducible defenses by volatiles from neighboring plants and endophytic bacteria Authors Ted Turlings Jurriaan Ton Matthias Erb	Ted Turlings
12	14:30	155	The genetic basis of a plant-insect coevolutionary key innovation Authors Heiko Vogel Hanna Fischer Cristopher Wheat	Heiko Vogel

13	14:45	183	Plant-mediated interactions between rhizobacteria, herbivorous insects and parasitoids Authors Si-Jun Zheng Jeroen P. van Dijk Anna Costa	Si-Jun Zheng
14	15:00	190	Bemisia tabaci biotype B manipulates its host to suppress effective defenses Authors Linda Walling Sonia Zarate Louisa Kempema	Linda Walling
15	15:15	705	Herbivory-boosted primary metabolism: A mechanism to alleviate fitness costs of plant vaccination Authors Andre Kessler Rayko Halitschke Jason Hamilton	Andre Kessler

Symposium Reference No. **6.032** **Selected Contributions 6C** Room No: MR 12AB
Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
16	14:00	1319	The 1999–2001 Australian plague locust outbreak in eastern Australia from the perspective of insect monitoring radar Authors Haikou Wang V Alistair Drake Edward D Deveson	Haikou Wang
17	14:15	2125	Evaluation of a sampling trap for adult insect of alfalfa weevil <i>Hypera postica</i> Gyll. (Coleoptera: Curculionidae) Authors Heidar Adldoost	Heidar Adldoost
18	14:30	346	Build up of whitefly population in relation to environmental conditions in Pakistan Authors Rashida Perveen Muhammad Aslam Noor Islam	Rashida Perveen
19	14:45	1571	The causes of outbreak dynamics: A life history perspective Authors Toomas Tammaru	Toomas Tammaru
20	15:00	2216	Lower herbivory in diverse forests due to semiochemical diversity? Test by an artificially mixed forest Authors Hervé Jactel Göran Birgersson Fredrik Schlyter	Fredrik Schlyter
21	15:15	3338	Brown locust outbreaks in the South African Karoo - are locust control operations contributing to the problem? Authors Roger Price Margaret Kieser Dick Brown	Roger Price

SESSION NO. **7**

Symposium Reference No. **6.018** **Tea Break** Room No: Hall 3ABC
Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
0	15:30	0	Tea Break Authors	Tea Break

SESSION NO. **8**

Symposium Reference No. **6.03** **Omics and ecology and evolution of multitrophic interactions** Room No: Hall 2BH
Symposium Organisers: Marcel Dicke (The Netherlands) & Louise Vet (The Netherlands)

Order	Start	Abstract No.	Presentation Title	Presenting Author
22	16:00	1024	Genomics and post-genomics of parasitoids Authors John Werren	John Werren
23	16:15	1136	Ecological metabolomics of plant-insect interactions Authors Mirka Macel Nicole M. van Dam Wim H. van der Putten	Mirka Macel
24	16:30	168	The value of omics to community ecology Authors Marcel Dicke	Marcel Dicke

Symposium Reference No. **6.032** **Selected Contributions 6C** Room No: MR 12AB
Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
25	16:00	196	Megachile unbripenis Smith: Leaf cutting behaviour on rose leaves (Rosa) Authors Dita Nurtjahya	Dita Nurtjahya
26	16:15	454	Learning to escape robotic spiders: predator avoidance learning in bumblebees Authors Thomas Ings Lars Chittka	Thomas Ings
27	16:30	862	Early experience with alternative prey affects adult performance in predatory mites Authors Peter Schausberger Daniela Hoffmann Andreas Walzer	Peter Schausberger
28	16:45	901	Age specific fecundity and temperature dependent population growth rate of <i>Eurygaster integriceps</i> Put. (Heteroptera: Scutelleridae) at four constant temperatures Authors Shahzad Iranipour Aziz Kharrazi Pakdel Gholamreza Radjabi	Shahzad Iranipour

27 June 2008