

POSTERS PROGRAMME ICE 2008

Daily: Monday to Friday 12h30 to 14h00 Hall 3ABC Presenters at Posters

Presenting Author

SECTION 11 Physiology & Biochemistry

CONVENORS: Frances Duncan (RSA) and Laura Fielden (USA)

Symposium Reference No.	11.01	It's not the heat – it's the humidity? Challenges and tradeoffs in insect respiration	
Abstract No.	795	Title	Metabolic rate of brown locust eggs
		Authors	Innocent Kambule Shirley Hanrahan Frances Duncan
			Innocent Kambule
Abstract No.	2005	Title	The effect of alpha-cypermethrin on the cyclic gas exchange of bumblebee <i>Bombus terrestris</i> L. foragers
		Authors	Reet Karise Marika Mänd Anne Luik
			Reet Karise
Abstract No.	3207	Title	Sublethal effects of crop protection on honey bee pollination: foraging behaviour and flower visits
		Authors	Bruno Gobin Kevin Heylen Roger Huybrechts
			Bruno Gobin
Symposium Reference No.	11.02	Regulation of metabolism, growth, development and reproduction: from molecule to organismal research	
Abstract No.	891	Title	X-ray microCT enables high-resolution 3-D imaging of the internal anatomy of live locusts
		Authors	Jenan Al-Harib Vicky Hunt Keith Charnley
			Vicky Hunt
Abstract No.	961	Title	Identification of diapause-associated genes in the queen bumblebee, <i>Bombus terrestris</i>
		Authors	Kyeong-Yeoll Lee Dong-Woo Kim Baek-Guen Kim
			Kyeong-Yeoll Lee
Abstract No.	1107	Title	Mechanisms of resistance to DNA damage in insect cell Sf9
		Authors	I-Cheng Cheng How-Jing Lee Tsing-Cheng Wang
			I-Cheng Cheng
Abstract No.	1644	Title	Reparation of heat and cold injury in the bug <i>Pyrrhocoris apterus</i>: Does it require the expression of inducible hsp70 gene?
		Authors	Michaela Tollarová Alena Kobelková Vladimír Košťál
			Alena Kobelková
Abstract No.	1786	Title	Relationship between dehydration rate and success of anhydrobiosis in the sleeping chironomid, <i>Polypedilum vanderplanki</i>
		Authors	Yuichi Nakahara Gusev Oleg Masahiko Watanabe
			Yuichi Nakahara
Abstract No.	1863	Title	Proteomic analysis of the parasitized host (<i>Plutella xylostella</i>) fat body
		Authors	Min Kyo Jung Kyung Han Song Sung Sik Han
			Min Kyo Jung
Abstract No.	1971	Title	Molecular identification and characterization of two adipokinetic hormones in <i>Aedes aegypti</i> and <i>Culex pipiens</i>
		Authors	Gerd Gaede Christian kaufmann Hans Merzendorfer
			Gerd Gaede
Abstract No.	2025	Title	The isoprenoid pathway in aphids: Focus on geranyl/farnesyl diphosphate synthase
		Authors	Sophie Vandermoten Stephanie Sen Frederic Francis
			Frederic Francis
Abstract No.	2255	Title	Functional divergence and inductive expression patterns of three multi-gene families of antimicrobial peptides in <i>Bombyx mori</i>
		Authors	Ming-qiang Ye Wan-ying Yang Ya-dong Huang
			Yang Cao
Abstract No.	3068	Title	The novel function of apolipoprotein III in <i>Hyphantria cunea</i>
		Authors	Hong Ja Kim Young Jin Kang Yong Min Kwon
			Hong Ja Kim
Abstract No.	3069	Title	Characterization of hemocyte STAT gene in <i>Hyphantria cunea</i>
		Authors	Hong Ja Kim Young Jin Kang Yong Min Kwon
			Hong Ja Kim
Abstract No.	3070	Title	Comparative analysis of two attacin genes from <i>Hyphantria cunea</i>
		Authors	Yong Min Kwon Young Jin Kang Hong Ja Kim
			Yong Min Kwon
Abstract No.	3190	Title	Effect of temperature on feeding and development rates of a potential biocontrol agent, <i>Cornops aquaticum</i> Brüner (Orthoptera: Acrididae) for water hyacinth, <i>Eichhornia crassipes</i> Mart. Solms-Laubach (Pontederiaceae) in South Africa
		Authors	Angela Bownes Martin Hill Marcus Byrne
			Angela Bownes
Abstract No.	3223	Title	Effects of ace inhibitors and TMOF on growth, development and trypsin activity of larval <i>Spodoptera littoralis</i>
		Authors	Els Lemeire Dov Borovsky John Van Camp
			Guy Smagghe
Abstract No.	3406	Title	Regulation of protocatechuic acid synthesis in female <i>Periplaneta americana</i>.
		Authors	David Whitehead
			David Whitehead
Symposium Reference No.	11.03	Biological clocks from genes to physiology and behaviour	
Abstract No.	571	Title	Distribution of neuropeptides in the cephalic nervous system of the Mediterranean flour moth, <i>Ephestia kuehniella</i>
		Authors	Silvie Fexova Radka Zavodska Ivo Sauman
			Silvie Fexova
Abstract No.	574	Title	The corazonin- and PDF-immunoreactivities in the brain of termites do not differ among the castes and show no circadian fluctuations
		Authors	Radka Zavodska Chih-Jen Wen Ivo Sauman
			Radka Zavodska

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Abstract No. 1378	Title	A peripheral circadian clock controls the cuticle deposition rhythm in <i>Drosophila melanogaster</i> Authors Chihiro Ito Shin Goto Sakiko Shiga	Chihiro Ito
Abstract No. 1445	Title	The fate of the clock protein PERIOD in the <i>Drosophila melanogaster</i> ovary Authors Joanna Kotwica Maureen Larson Piotr Bebas	Joanna Kotwica
Abstract No. 1446	Title	Mapping the cellular network of the circadian clock in two cockroach species Authors Chih-Jen Wen How-Jing Lee	Chih-Jen Wen
Abstract No. 1452	Title	The effects of rapid phase-shifting on adult lifespan and reproduction of the German cockroach Authors Shu-Chi Tsao How-Jing Lee	Shu-Chi Tsao
Abstract No. 1474	Title	Effect of wavelengths on the N-acetyltransferase activity in <i>Dianemobius nigrofasciatus</i> (Orthoptera: Grillidae) Authors Norimitsu Izawa Takeshi Suzuki Makio Takeda	Norimitsu Izawa
Abstract No. 1537	Title	Isolation and characterization of circadian clock genes period and timeless in Mediterranean flour moth, <i>Ephestia kuehniella</i> Authors Alena Kobelková David Doležel Radka Závodská	Alena Kobelková
Symposium Reference No. 11.07	Trophic interactions using molecular approaches		
Abstract No. 238	Title	Effects of parasitism by the ectoparasitoid <i>Bracon hebetor</i> Say (Hymenoptera: Braconidae) on host hemolymph proteins of the Mediterranean flour moth <i>Ephestia kuehniella</i> Zeller (Lepidoptera: Pyralidae) Authors Hülya Altuntas Yavuz Kilic	Hülya Altuntas
Abstract No. 837	Title	Isolation and characterization of the novel antibacterial peptide Coprisin from a dung beetle, <i>Copris tripartitus</i> Authors Jae-Sam Hwang Yeon-Ju Kim Hea-Son Bang	Jae-Sam Hwang
Abstract No. 1862	Title	Development of group-specific primers for prey DNA detection in the predator gut Authors Anna-Karin Kuusk Nuria Agusti	Nuria Agusti
Abstract No. 2049	Title	Molecular analysis of trophic links within an autumn- and winter-active invertebrate community Authors Bernhard Eitzinger Michael Traugott	Michael Traugott
Abstract No. 2059	Title	Detecting prey-DNA in invertebrate predators: The influence of predator taxon and storage method Authors Thomas Waldner Michael Traugott	Michael Traugott
Abstract No. 2060	Title	Exploitation of plant biodiversity by below-ground herbivores: Tracking dietary choice in elaterid larvae using a molecular approach Authors Corinna Wallinger Nikolaus Schallhart Karin Staudacher	Michael Traugott
Abstract No. 3386	Title	Intraguild predation: molecular detection of carabid-spider interactions within cereal crops Authors Jeffrey Davey King Andrew James Bell	William Symondson
Symposium Reference No. 11.9	Other		
Abstract No. 117	Title	New polar constituents in the pupae of the silkworm <i>Bombyx mori</i> L. Authors Ryuichiro Tanaka	Ryuichiro Tanaka
Abstract No. 217	Title	Composition and food properties of red palm weevil <i>Rhynchophorus ferrugineus</i> (Curculionidae: Coleoptera) Authors Ahmed AlJabr	Ahmed AlJabr
Abstract No. 296	Title	Environmental stresses induce expression of cuticular protein genes in the Colorado potato beetle Authors Jianhua Zhang Claudia Goyer Yvan Pelletier	Yvan Pelletier
Abstract No. 832	Title	Molecular, biochemical and histochemical characterization of two acetylcholinesterases from the German cockroach <i>Blattella germanica</i> Authors Min Kwon Chan Sik Jung Young Ho Koh	Min Kwon
Abstract No. 1189	Title	Insect transferrin functions as an antioxidant protein in a beetle larva Authors Bo Yeon Kim Kwang Sik Lee Young Moo Choo	Bo Yeon Kim
Abstract No. 1200	Title	Biochemical characterization of venom from the endoparasitoid wasp <i>Pteromalus puparum</i> (Hymenoptera: Pteromalidae) Authors Jia-Ying Zhu Gong-Yin Ye Zhong Zhang	Jia-Ying Zhu
Abstract No. 1201	Title	Molecular cloning and characterization of a glycosyl hydrolase family 9 cellulase expressed throughout the digestive tract of the emma field cricket, <i>Teleogryllus emma</i> Authors Namjung Kim Young Moo Choo Kwang Sik Lee	Young Moo Choo
Abstract No. 1244	Title	Physiological effects of infection with <i>Beauveria bassiana</i> (Deuteromycotina) in <i>Amblyomma americanum</i> (Ixodidae) Authors Kenwyn Cradock Glen Needham	Kenwyn Cradock

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Abstract No. 1729	Title	Analysis of the sex pheromone composition of the variegated cutworm (<i>Peridroma saucia</i>) in Korea	Kyung San Choi
	Authors	Kyung San Choi Jum Rae Cho Jeong Heub Song	
Abstract No. 2081	Title	Understanding the role of symbionts in <i>Diaphorina citri</i> Kuwayama (Hemiptera: Psyllidae) by developing symbiont free lines	Fernando Cónsoli
	Authors	Izabela Salvador Fernando Cónsoli	
Abstract No. 2152	Title	Overexpression of c-type lysozyme from <i>Agrilus convolvuli</i> using prokaryotic expression system	Sung Moon Yoe
	Authors	Sung Moon Yoe Soon Ik Park Jong-Wan Kim	
Abstract No. 2153	Title	Overexpression of a cecropin-like peptide from <i>Agrilus convolvuli</i> in <i>Escherichia coli</i>	Sung Moon Yoe
	Authors	Sung Moon Yoe Hong Sun An Soon Ik Park	
Abstract No. 2233	Title	Effects of cold winter microenvironments on overwintering survival and potential fecundity of sunn bug pest (<i>Eurygaster integriceps</i> Put.)	Ahmad Baghdadi
	Authors	Ahmad Baghdadi Sedigheh Salemmimoez	
Abstract No. 3179	Title	The haemocytes of <i>Eldana saccharina</i> Walker (Lepidoptera: Pyralidae): structural characteristics and proportions of subtypes	Irene Ketseoglou
	Authors	Irene Ketseoglou Gustav Bouwer	
Abstract No. 3236	Title	Ecdysteroid-resistance mechanism independent from ecdysteroid receptor function in cell lines from the polyphagous noctuid pest <i>Spodoptera exigua</i>	Guy Smagghe
	Authors	Luc Swevers Thomas Soin Hadi Mosallanejad	
Abstract No. 3352	Title	Determination of midgut pH of sun pest, <i>Eurygaster integriceps</i>, using the color changing of chemical materials	Majid Kazzazi
	Authors	Majid Kazzazi Vahid Hoseini Naveh	
Abstract No. 3517	Title	Analyses of different elytra color patterns using AFLP in <i>Harmonia axyridis</i>	Dae Hong Lee
	Authors	Dae Hong Lee Eun Jin Kang Hee Jin Lee	
Abstract No. 3519	Title	Assay of α-amylase in gut and salivary glands of <i>Eurygaster maura</i> (Hemiptera: Scutelleridae)	Ali R Bandani
	Authors	Mohammad Mehrabadi Ali R Bandani	
Abstract No. 3520	Title	Determination of gut & salivary pH and comparing of α-Amylase activity in various nymphal stages and adult of <i>Eurygaster maura</i> (Hemiptera: Scutelleridae)	Mohammad Mehrabadi
	Authors	Mohammad Mehrabadi Ali R Bandani	

28 June 2008