

SECTION 11**Physiology & Biochemistry**

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

08 July 2008

SESSION NO. 2

Symposium Reference No	11.02	Regulation of metabolism, growth, development and reproduction: from molecule to organismal research	Room No:	MR 21G
Symposium Organisers:		Gerd Gäde (RSA)		

Order	Start	Abstract No.	Presentation Title	Presenting Author
1	09:00	651	Locusts versus grasshoppers: presence of adipokinetic peptides and functional aspects Authors Gerd Gäde	Gerd Gäde
2	09:30	653	Metabolic strategies and adipokinetic hormones of two stinkbug taxa Authors Heather G. Marco Gerd Gäde	Heather G. Marco
3	09:45	3332	Mass spectral analysis of expressed versus predicted peptides (AKHs, PRLamides, FLRF-amides, NVP-like peptide) in the corpus cardiacum of beetles and moths: evolutionary relationships and functional significance Authors Robert Weaver Heather Marco Neil Audsley	Robert Weaver
4	10:00	1539	Ancestral reconstruction of ancient insect allatostatins: a novel approach to the study of allatostatin function and evolution Authors Ekatarina Hult C.J. Weadick Belinda S.W. Chang	Stephen Tobe
5	10:15	3025	The prohormone convertase AMONTILLADO represents a key enzyme in the production of bioactive peptide hormones Authors Christian Wegener Cordelia Imig Matthias Vömel	Christian Wegener

SESSION NO. 3

Symposium Reference No	11.011	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	11.02	Regulation of metabolism, growth, development and reproduction: from molecule to organismal research	Room No:	MR 21G
Symposium Organisers:		Gerd Gäde (RSA)		

Order	Start	Abstract No.	Presentation Title	Presenting Author
6	11:00	283	Peptidomics of pheromone biosynthesis activating neuropeptide (PBAN)-expressing neurons of an insect Authors Susanne Neupert Wolf Huetteroth Joachim Schachtner	Susanne Neupert
7	11:30	1593	Photoperiodic diapause in mosquitoes: A link to insulin signaling Authors David Denlinger Cheolho Sim	David Denlinger
8	11:45	2071	Hormonal regulation of larval diapause in a noctuid moth Authors Frantisek Sehnal Matilde Eizaguirre Christa Schafellner	Frantisek Sehnal
9	12:00	1392	Heteropteran juvenile hormone unveiled: a novel type of juvenile hormone identified in a stink bug, <i>Plautia crossota stali</i> Authors Toyomi Kotaki Kanako Kaihara Tetsuro Shinada	Toyomi Kotaki
10	12:15	3134	Pseudopeptide and nonpeptide mimetic agonists and antagonists of diuretic insect kinin and diapause hormone neuropeptide classes Authors Ronald Nachman Qirui Zhang Suparna Taneja-Bageshwar	Ronald Nachman

SESSION NO. 5

Symposium Reference No	11.022	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	11.02	Regulation of metabolism, growth, development and reproduction: from molecule to organismal research	Room No:	MR 21G
Symposium Organisers:		Gerd Gäde (RSA)		

Order	Start	Abstract No.	Presentation Title	Presenting Author
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11	14:00	101	Immunogen-induced anorexia in locusts Authors Graham Goldsworthy Khadijo Osman Mary Lightfoot	Graham Goldsworthy
12	14:30	1858	Proteomic identification of parasitism-specific proteins in <i>Plutella xylostella</i> larvae Authors Kyung-Han Song Min-Kyo Jung Jai-Hoon Eum	Kyung-Han Song
13	14:45	235	Central neurons expressing multiple chemical factors are involved in the neural control of reproductive tissues in the female locust, <i>Locusta migratoria</i> Authors Angela Lange Rosa da Silva	Angela Lange
14	15:00	1130	Yellow coloration in gregarious desert locusts: function and regulation Authors Jurgen Huybrechts Filip Sas Marisa Geens	Jurgen Huybrechts
15	15:15	1828	Anhydrobiosis in the sleeping chironomid, <i>Polypedilum vanderplanki</i>: unique tactics to survive drought Authors Takashi Okuda Takahiro Kikawada Minoru Sakurai	Takashi Okuda

SESSION NO. 7

Symposium Reference No	11.017	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	11.02	Regulation of metabolism, growth, development and reproduction: from molecule to organismal research	Room No:	MR 21G
Symposium Organisers: Gerd Gäde (RSA)				
Order	Start	Abstract No.	Presentation Title	Presenting Author
16	16:00	1749	Molecular cloning and characterization of Tret1-orthologs facilitating trehalose transport in insects Authors Takahiro Kikawada Yasushi Kanamori Ayako Saito	Takahiro Kikawada
17	16:15	2238	Fly as cancer model? Genomic analysis of <i>Drosophila</i>'s hypoxia tolerance Authors JM Gomez T Tomita NM Romero	T Gorr

08 October 2008