

# 7th International Congress of Dipterology Program

## San José, Costa Rica, 8-13 August 2010

### SUNDAY 8 AUGUST

13:00 – 17:00 – **Registration-Room:** Guaria

19:00 – 21:00 - **Welcome Reception-Room:** Orquídeas

### MONDAY 9 AUGUST

7:30	<b>Late Arrival Registration – Room: Convention Center</b>	
8:30	<b>Opening Ceremony – Room: La Paz A</b>	
9:00	<b>Plenary Address: Maggots and mayhem – Room: La Paz A</b> <b>M.L. Goff</b>	
9:40	Open discussion	
10:00	<b>Coffee break – Room: North Lobby</b>	
	<b>SYMPOSIUM: Advances in Afrotropical Dipterology</b> <b>(Moderator: A.H. Kirk-Spriggs) – Room: La Paz A</b>	<b>SYMPOSIUM: Forensic Diptera</b> <b>(Moderators: J. Vargas &amp; M.L. Goff) – Room: La Paz C</b>
10:30	Dedication – the life and career of Brian Roy Stuckenberg (1930–2009) <b>A.H. Kirk-Spriggs</b>	10:30 Introduction <b>J. Vargas</b>
		10:40 Patterns of human decomposition <b>M.L. Goff</b>
11:00	What advances have been made in the last decade in Afrotropical Dipterology? <b>P.S. Cranston</b>	11:00 Identification of larvae of forensically important European Calliphoridae and Muscidae <b>A. Grzywacz, K. Szpila, T. Pape &amp; M.J.R. Hall</b>
		11:15 Molecular systematics of the sibling species <i>Lucilia cuprina</i> and <i>Lucilia sericata</i> <b>K.A. Williams &amp; M.H. Villet</b>
11:30	Two hundred described, thousands more to go – the virtually unstudied fauna of Afrotropical Cecidomyiidae <b>N. Dorchin &amp; K.M. Harris</b>	11:30 Forensic fly research in Australia: ongoing challenges and recent advances <b>J. Wallman</b>
11:45	Flies at risk: Overview of the Blephariceridae of Madagascar <b>R.B. Sam &amp; G.W. Courtney</b>	11:45 Habitat Differentiation of <i>Chrysomya megacephala</i> and <i>Chrysomya pinguis</i> (Diptera: Calliphoridae) <b>S.T. Yang &amp; S.F. Shiao</b>
12:00	Athericidae and Vermileonidae of the Afrotropical Region <b>D.W. Webb</b>	12:00 Nocturnal activity and oviposition in carrion-breeding flies from south-eastern Australia <b>B. Lessard, C. Kavazos &amp; J. Wallman</b>
12:15	The stratiomyid fauna of Madagascar – is the island richer than the continent?	12:15 Interspecific interactions between larvae of carrion-breeding blow flies (Calliphoridae)

	<b>M. Hauser &amp; N.E. Woodley</b>		<b>K. Melbourne, M. Archer &amp; J. Wallman</b>
12:30	<b>Lunch break break – Room: South Lobby</b>		
	<b>SYMPOSIUM: Advances in Afrotropical Dipterology (continued)</b> Room: La Paz A		<b>SYMPOSIUM: Forensic Diptera (continued)</b> Room: La Paz C
13:30	Advances in the taxonomy of Afrotropical Asilidae <b>J.G.H. Londt</b>	13:30	Visualisation and volumisation of maggot masses using CT technology <b>A. Johnson, M. Archer, C. O'Donnell, L. Leigh-Shaw, M. Brown &amp; J. Wallman</b>
13:45	An overview of Afrotropical Mydidae – the most diverse mydid fauna worldwide <b>T. Dikow</b>	13:45	Correlation between age, body length and dry weight of larvae belonging to two species of forensically important blow flies (Diptera: Calliphoridae) <b>D. Singh &amp; M. Bala</b>
14:00	An overview of Afrotropical Empidoidea (exclusive of Dolichopodidae <i>sensu lato</i> ) <b>B.J. Sinclair</b>	14:00	Occurrence of Calliphoridae (Diptera: Insecta) throughout the process of decomposition of a swine corpse ( <i>Sus scrofa</i> Linnaeus, 1758) exposed in an Atlantic Forest fragment at Salvador, Bahia City, Brazil <b>F.M.P. Cordeiro, D.S. Lopes, T.F. Véras, F.F. Oliveira &amp; T.S.Thé</b>
14:15	Origin and evolution of the <i>Disneyempis</i> lineage, a phylogenetic and biogeographic approach <b>C. Daugeron &amp; B.J. Sinclair</b>	14:15	Miltogramminae (Diptera: Sarcophagidae) as a new forensic indicator for buried bodies <b>K. Szpila, J.G. Voss &amp; T. Pape</b>
14:30	An overview of Afrotropical endemism in Therevidae <b>K.C. Holston, M. Hauser &amp; M.E. Irwin</b>	14:30	Coleopteran parasitoids in Dipteran hosts: Implications for forensic entomology <b>S.W. Lin &amp; S.F. Shiao</b>
14:45	Overview of Afrotropical window flies (Scenopinidae) <b>S.L. Winterton</b>	14:45	Dismemberment of a murder victim and forensic entomology: a case study of PMI estimation using blow fly larvae <b>S.F. Shiao</b>
15:00	Afrotropical Flower Flies (Diptera: Syrphidae) <b>H.G. Dirickx, M. De Meyer, A. Ssymank &amp; F.C. Thompson</b>	15:00	Occurrence and seasonable variation of <i>Hermetia illucens</i> (Diptera: Stratiomyidae) (Linnaeus, 1758) on swine corpse ( <i>Sus scrofa</i> ) exposed at an Atlantic rainforest fragment at Salvador-Ba/Brazil <b>D.S. Lopes, F.M.P. Cordeiro, T.F. Véras, F.F. Oliveira &amp; T.S. Thé</b>
15:15	Systematics and biogeography of Afrotropical Quasimodo flies (Curtonotidae) <b>A.H. Kirk-Spriggs, B.M. Wiegmann &amp; G. McGregor</b>	15:15	Forensic entomology: Analysis of its development ten years after implementation in Costa Rica <b>J. Vargas</b>
15:30	<b>Coffee break break – Room: North Lobby</b>		

<b>SYMPOSIUM: Advances in Afrotropical Dipterology (continued)</b> Room: La Paz A		<b>SYMPOSIUM: Forensic Diptera (continued)</b> Room: La Paz C		<b>WORKSHOP: Agricultural Diptera (Moderator: D.L. Kline)</b> Room: La Paz B	
16:00	The biodiversity of shore flies (Diptera: Ephydriidae) of the Afrotropical Region <b>T. Zatwarnicki</b>	16:00	Open discussion <b>M.L. Goff</b>	16:00	Survey and management of stable flies at the National Zoological Park <b>J.A. Hogsette, S. Alberts, G.A. Ose &amp; A. Hiza</b>
16:15	An overview of the taxonomic status of the Afrotropical Tephritidae <b>A. Freidberg</b>			16:15	Semiochemical based management program for mosquitoes, biting midges and flies for a horse facility <b>D.L. Kline &amp; J.A. Hogsette</b>
16:30	An overview of Afrotropical Lauxanioidea <b>S. Gaimari &amp; R.M. Miller</b>			16:30	Efficacies of the permethrin-impregnated resin net in controlling the blood sucking tabanid flies <b>H. Sasaki</b>
16:45	An overview of Afrotropical Sciomyzidae <b>J.-C. Vala, L. Knutson, R.M. Miller &amp; D.A. Barraclough</b>			16:45	Comparison and selection of saprophagous Diptera species for the conversion of poultry manure <b>N. Lomas, S.A. Marshall, M. Dixon &amp; Y. Zheng</b>
17:00	An overview of Afrotropical Oestroidea <b>T. Pape</b>			17:00	Black soldier fly larvae ( <i>Hermetia illucens</i> ) as an option for municipal organic waste management in Costa Rica <b>N.M. Studt-Solano, D. Flores, F. Roa-Gutiérrez &amp; S. Diener</b>
17:15	Over 200 genera and counting – the megadiverse fauna of Afrotropical Tachinidae <b>P. Cerretti, J.E. O'Hara, D.M. Wood &amp; J.O. Stireman</b>			17:15	Importance of visual and olfactory cues for foraging in the parasitoid <i>Exorista japonica</i> <b>R.T. Ichiki, Y. Kainoh, Y. Yamawaki &amp; S. Nakamura</b>
17:30	Official launch of <i>Manual of Afrotropical Diptera</i> project <b>A.H. Kirk-Spriggs &amp; M. Mostovski</b>				
17:45	Open discussion <b>A.H. Kirk-Spriggs</b>				
18:00	Wine reception (sponsored by E. Oppenheimer & Son, South Africa)				

**TUESDAY 10 AUGUST**

9:00	<b>Plenary Address: Fossils, biogeography and evolution of Diptera</b> <b>D. Amorim</b> – Room: La Paz A		
9:40	Open Discussion		
10:00	Coffee break break – Room: North Lobby		
	<b>SYMPOSIUM: Phylogeny and taxonomy within the “orthorrhaphous” Brachycera</b> <b>(Moderators: S.L. Winterton, T. Dikow, M. Hauser)</b> – Room: La Paz C	<b>SYMPOSIUM: Evolution and ecology of insect-host relationships</b> <b>(Moderator: N. Dorhin)</b> – Room: La Paz B	<b>SYMPOSIUM: Advances in Neotropical dipterology: rediscovering the New World</b> <b>(Moderators: C.J.B Carvalho)</b> Room: La Paz A
10:30	Introduction <b>S.L. Winterton</b>	10:30	A tritrophic geographic mosaic of coevolution and local adaptation <b>T.P. Craig &amp; J.K. Itami</b>
10:35	Phylogeny of the "orthorrhaphous" Brachycera–progress since 1989 <b>N.E. Woodley</b>	11:00	Genetic differentiation of forest and prairie populations of <i>Eurosta solidaginis</i> <b>J.K. Itami &amp; T.P. Craig</b>
11:15	A phylogenetic study of the relationships of the genera of Xylophagidae <b>K.M. Bayless, D.K. Yeates &amp; B.M. Wiegmann</b>	11:15	Radiation of gall midges (Diptera: Cecidomyiidae) driven by shifts within and between host-plant species of North American goldenrods <b>N. Dorchin, J.B. Joy, S. Jordan &amp; W.G. Abrahamson</b>
11:30	Aiming towards more resolution - challenges for a phylogeny of Stratiomyidae <b>M. Hauser</b>	11:30	Monophyletic groups in the Phoridae, and the evolution of termitophily <b>B.V. Brown &amp; P.T. Smith</b>
11:45	Molecular phylogeny of the horse flies: a framework for renewing tabanid taxonomy <b>S.I. Morita, K.M. Bayless &amp; B.M. Wiegmann</b>	11:45	Phylogeny and classification of the Tephrellini (Diptera: Tephritidae: Tephritinae) <b>H.-Y. Han, K.-E. Ro &amp; A. Freidberg</b>
12:00	Phylogenetic relationships of Acroceridae and Nemestrinidae (Nemestrinoidea) <b>S.L. Winterton &amp; S.I. Morita</b>	12:00	Factors affecting abundance and distribution of <i>Pseudasphondylia neolitsea</i> (Diptera: Cecidomyiidae) <b>M. Tokuda, K. Matsuo, J. Yukawa &amp; K. Kiritani</b>
			11:45 Introduction <b>C.J.B. de Carvalho</b>
			11:50 Diptera and dipterist diversity in South America <b>C.J.B. de Carvalho</b>

12:15	Increased sampling of taxa, genes, and morphological data leads to the dissolution of Diachlorini (Tabanidae: Tabaninae) <b><u>K.M. Bayless</u>, S.I. Morita &amp; B.M. Wiegmann</b>	12:15	Possible effects of asynchrony between gall-midge emergence and host-plant phenology on shift in host range, leading to speciation <b>J. Yukawa</b>		
12:30	<b>Lunch break – Room: South Lobby</b>				
	<b>SYMPOSIUM: Phylogeny and taxonomy within the “orthorrhaphous” Brachycera (continued) – Room: La Paz C</b>		<b>SYMPOSIUM: Evolution and ecology of insect-host relationships (continued) – Room: La Paz B</b>		<b>SYMPOSIUM: Advances in Neotropical dipterology: rediscovering the New World (continued) – Room: La Paz A</b>
13:30	Contemporary systematics of the southern hemisphere horse fly genus <i>Scaptia</i> (Diptera: Tabanidae) <b><u>B. Lessard</u>, S. Cameron, J. Trueman &amp; D. Yeates</b>	13:30	Cospeciation and cophylogeography in Fergusoninid galling flies and their nematode mutualists <b><u>S.J. Scheffer</u>, K. Davies, R. Giblin-Davis, G.S. Taylor &amp; D.K. Yeates</b>	13:30	Diptera of Colombia; a preliminary approach <b>M. Wolff</b>
13:45	Cladistic Analysis of Toxophorini Schiner (Diptera, Bombyliidae) <b>A.M. Cunha, <u>C.J.E. Lamas</u> &amp; M.S. Couri</b>	13:45	Host-associated differentiation in Diptera: Contrasting plant parasites and insect parasitoids <b>John O. Stireman III</b>	13:45	A large scale survey of the Diptera of the Atlantic Forest <b><u>D. Amorim</u> et al.</b>
14:00	Molecular phylogenetics of the bee flies: overcoming the effects of rogue taxa <b><u>M.D. Trautwein</u>, B.M. Wiegmann &amp; D.K. Yeates</b>	14:00	Discussion <b>N. Dorchin</b>	14:00	Brazilian Dipterology: History and research <b>M. S. Couri</b>
14:15	Phylogenetic relationships within the Mydinae (Diptera: Mydidae) <b><u>J.C. Almeida</u>, S.S. Nihei &amp; C.J.E. Lamas</b>	14:15		14:15	The history of Dipterology in Colombia – the early contributors <b><u>D. Grisales</u>, O. Gallo &amp; C.J.B. de Carvalho</b>
14:30	Phylogenetic relationships within Mydidae based on adult morphology (Diptera: Asiloidea) <b>T. Dikow</b>			14:30	Twigs around the trunk: phylogenetic relationships of Neotropical Blephariceridae <b>G.W. Courtney</b>
14:45	Phylogeny of the therevoid clade (Asiloidea: Therevidae, Scenopinidae, Apsilocephalidae, Evocoidae): a really, really big molecular matrix approach <b><u>S.L. Winterton</u> et al.</b>			14:45	Diversity of gall midges (Cecidomyiidae, Diptera) from “restinga” areas of Rio de Janeiro State <b>V.C. Maia</b>

15:00	The Snow collection of Gambian Asilidae: advantages of a sustained sampling programme <b>J.G.H. Londt</b>			15:00	Systematics and historical biogeography of Tabanomorpha (Diptera, Brachycera) <b>C.M.D. Santos</b>
15:15	Cladistic analysis of <i>Oidardis</i> (Asilidae: Laphriinae) <b>L.A. Cezar &amp; C.J.E. Lamas</b>			15:15	Diversity and Systematics of the Neotropical Acroceridae <b>J.P. Gillung</b>
15:30	<b>Coffee break break – Room: North Lobby</b>				
<b>SYMPOSIUM: Phylogeny and taxonomy within the “orthorrhaphous” Brachycera (continued) – Room: La Paz C</b>		<b>POSTER SESSION Room: Las Américas</b>		<b>SYMPOSIUM: Advances in Neotropical dipterology: rediscovering the New World (continued) – Room: La Paz A</b>	
16:00	Discussion <b>S.L. Winterton</b>	16:00	Posters	16:00	Recent advances on the taxonomy of Neotropical Phthiriinae (Diptera, Bombyliidae) <b>C.J.E. Lamas &amp; N.L. Evenhuis</b>
		16:15	Posters	16:15	Syrphidae in Brazil: the last ten years and perspectives <b>Marinoni, L.</b>
		16:30	Posters	16:30	The identity of three Neotropical genera of Sarcophaginae (Diptera: Sarcophagidae) <b>A.L. Azevedo &amp; C.A. Mello-Patiu</b>
		16:45	Posters	16:45	Taxonomy and phylogeny of Ormiini (Tachinidae): diversity and evolution of cricket parasitoid flies <b>S.S. Nihei</b>
		17:00	Posters	17:00	Neotropical Sepsidae: overview and perspectives <b>V.C. Silva</b>
		17:15	Posters	17:15	The discovery of shore flies (Diptera: Ephydriidae) in the New World with an emphasis on the Neotropical fauna: status, recent progress and process <b>W. Mathis</b>
		17:30	Posters	17:30	Revision of the Neotropical genus <i>Erythromelana</i> (Diptera: Tachinidae) <b>D.J. Inclan &amp; J.O. Stireman</b>

		17:45	Posters	17:45	Bacteria associated with synanthropic flies in an urban area of Medellín, Antioquia, Colombia <b>L.M. Gómez Piñerez, I.C. Cadavid Sánchez, E. Amat &amp; G. Correa</b>
--	--	-------	---------	-------	---

<b>WEDNESDAY 11 AUGUST</b>					
9:00	<b>Plenary Address: Contact courtship devices and sexual selection in Diptera</b> <b>W.G. Eberhard</b> – Room: La Paz A				
9:40	Open Discussion				
10:00	<b>Coffee break break</b> – Room: North Lobby				
	<b>WORKSHOP: Calyptratae</b> (Moderator: T. Pape) Room: La Paz A		<b>WORKSHOP: Syrphidae</b> (Moderator: G. Ståhls) Room: La Paz B		<b>WORKSHOP: Sciarioidea</b> (Moderator: C.J. Borkent) Room: La Paz C
10:30	Tachinidae in the era of molecular systematics <b>D.M. Wood</b>	10:30	New insights into molecular phylogenetics of Syrphinae (Diptera: Syrphidae) <b>X. Mengual</b>	10:40	Introduction <b>C.J. Borkent</b>
				10:45	Species recognition trade-off between structural wing colours and terminalia in fungus gnats <b>J. Kjærandsen</b>
11:00	Building a unified classification of the Tachinidae (Diptera) of the world <b>J.E. O'Hara, D.M. Wood, V.A. Richter, H. Shima &amp; S.J. Henderson</b>	11:00	Taxonomy and phylogeny of Microdontinae (Diptera: Syrphidae) <b>M. Reemer &amp; G. Ståhls</b>	11:00	Evolution of Mycetophilidae Leiinae: limits, diversity, phylogeny, and biogeographical relationships <b>S.S. Oliveira &amp; D.S. Amorim</b>
11:15	Diversity and host use patterns of Lepidoptera-attacking Tachinidae in the Ecuadorian Andes <b>J.O. Stireman III, H.F. Greeney &amp; L.A. Dyer</b>			11:15	Preliminary results on diversity of <i>Clastobasis</i> species in the Afrotropics (Diptera: Mycetophilidae) <b>O. Kurina</b>
11:30	MOSCHWEB - An open access interactive key to the Palaearctic genera of Diptera: Tachinidae <b>P. Cerretti, H.-P. Tschorsnig &amp; M. Lopresti</b>	11:30	<i>Ocyptamus</i> (Diptera, Syrphidae, Syrphinae) systematics improved through the addition of DNA and female genitalia data <b>G.F.G. Miranda, J.H. Skevington, S.A. Marshall &amp; S. Kelso</b>	11:30	Systematics of <i>Leptomorphus</i> (Mycetophilidae) <b>C.J. Borkent &amp; T.A. Wheeler</b>

11:45	Progress towards an understanding of flesh fly evolution. New phylogenetic information from mtDNA <b>T.I. Stamper, G.A. Dahlem, R. DeBry &amp; C. Cookman</b>	11:45	To split or not to split: Is integrative taxonomy leading us to more robust species concepts in Nearctic <i>Dasysyrphus</i> (Diptera: Syrphidae)? <b>M.M. Locke, J.H. Skevington &amp; S.A. Marshall</b>	11:45	Oriental Sciarioidea: current state of knowledge and interesting new taxa <b>J. Ševčík</b>
12:00	Phylogeny and systematics of <i>Sarcophaga (Heteronychia)</i> (Diptera: Sarcophagidae) <b>D. Whitmore</b>	12:00	A Systematic Review of the Nearctic <i>Platycheirus</i> Lepeletier and Serville (Diptera: Syrphidae) <b>A.D. Young, S.A. Marshall &amp; J.H. Skevington</b>	12:00	Chironomidae and Mycetophilidae from Dominican amber as palaeoecological indicators <b>M. Grund</b>
12:15	Phylogeny of the genus <i>Peckia</i> Robineau-Desvoidy (Diptera: Sarcophagidae) <b>E. Buenaventura, C. Sarmiento &amp; T. Pape</b>	12:15	Revised overview of the species of the Neotropical-endemic genus <i>Quichuana</i> (Diptera: Syrphidae) <b>A. Ricarte</b>	12:15	Discussion <b>C.J. Borkent</b>
12:30	<b>Lunch break – Room: South Lobby</b>				
<b>WORKSHOP: Calyptratae (continued)</b> Room: La Paz A		<b>WORKSHOP: Syrphidae (continued)</b> Room: La Paz B		<b>WORKSHOP: Ceratopogonidae</b> Room: La Paz C	
13:30	Phylogeny of <i>Oxyvinia</i> (Sarcophagidae) with descriptions of three new species from Brazil <b>K.P. Silva</b>	13:30	Barcoding of <i>Merodon</i> hoverflies (Diptera, Syrphidae) in the Eastern Aegean Islands, Greece <b>G. Ståhls, A. Vujić, C. Pérez-Bañon, S. Rojo, S. Radenković &amp; T. Petanidou</b>	13:30	Discussion <b>D.L. Kline</b>
13:45	DNA-based identification of forensically important Australian Sarcophagidae (Diptera) <b>K.A. Meiklejohn, J.F. Wallman &amp; M. Downton</b>	13:45	Application of geographic information system in the study of the distribution of Syrphidae (Diptera) Antioquia-Colombia <b>A.L. Montoya, S.P. Perez &amp; M. Zuleta</b>		
14:00	First instars of European Miltogramminae (Diptera: Sarcophagidae) – an excess of missing links <b>K. Szpila</b>	14:00	Homology of metathoracic pleura in the family Syrphidae (Cyclorhapha: Aschiza) <b>T. Tachi</b>	14:00	



14:15	Taxonomy of Indian Satellite flies (Sarcophagidae: Miltogramminae) in eastern India <b>S.K. Sinha</b>	14:15	Attractive pictures of [fly] genitalia: an easy and affordable solution for illustrating genitalic structures <b>G.F.G. Miranda, D.K.B. Cheung &amp; M.D. Jackson</b>	14:15	
14:30	Rhinophoridae here, there and everywhere: evidence of ancient origin? <b>T. Pape &amp; P. Cerretti</b>	14:30	Knowing the immature stages of Costa Rican hoverflies <b>M.A. Marcos-García, G.E. Rotheray &amp; M.A. Zumbado</b>	14:30	
14:45	Blow flies of the West Indies <b>T. Whitworth</b>	14:45	Flower flies: Where have we been recently and where should we be going next <b>F.C. Thompson</b>	14:45	
15:00	Species-specific behavioral differences in male tsetse fly genitalia revealed by X-ray videos <b>R.D. Briceño, W.G. Eberhard, E. Chinea-Cano, D. Wegrzynek &amp; T. dos Santos Rolo</b>	14:55	Discussion <b>F.C. Thompson</b>	15:00	
15:15	Phylogenetic history and convergent evolution of the bat flies (Diptera: Hippoboscoidea) <b>K. Dittmar, C.W. Dick, B.D. Patterson &amp; M. Gruwell</b>	15:15		15:15	
15:30	<b>Coffee break break – Room: North Lobby</b>				
<b>WORKSHOP: Calyptratae (continued)</b> Room: La Paz A			<b>WORKSHOP: “Acalyptratae”</b> (Moderator: <b>J.F. Gibson</b> ) - Room: La Paz C		
16:00	Griffiths' legacy: current status and future directions in Nearctic Anthomyiidae systematics <b>J. Savage</b>	16:00	DNA barcoding as a routine step toward taxonomic investigation of Korean Tephritoidea <b>H.-Y. Han &amp; K.-E. Ro</b>		
16:15	Revision of the larval morphology of <i>Fannia canicularis</i> (Calyptrata: Fanniidae) <b>A. Grzywacz &amp; T. Pape</b>	16:15	The fruit fly genus <i>Parastenopa</i> Hendel (Diptera: Tephritidae) <b>A.L. Norrbom &amp; H.-Y. Han</b>		
16:30	The high altitude distribution of Muscidae (Diptera) in the South-East Altai Mountains of Siberia <b>V.S. Sorokina &amp; A.C. Pont</b>	16:30	The fruit flies of Ontario <b>M.D. Jackson, S.A. Marshall, R. Hanner &amp; A.L. Norrbom</b>		

16:45	What does <i>Charadrella</i> Wulp (Muscidae) tell us about the history of the Neotropical region? <b><u>K.L.F. Haseyama</u> &amp; <u>C.J.B. de Carvalho</u></b>	16:45	A phylogeny of Conopidae based on molecular and morphological character data <b><u>J.F. Gibson</u>, <u>J.H. Skevington</u> &amp; <u>S. Kelso</u></b>
17:00	Modelling the zoogeography of South African <i>Atherigona</i> s.str. (Diptera: Muscidae) <b><u>B.S. Muller</u>, <u>M. Mostovski</u> &amp; <u>S. Louw</u></b>	17:00	Phylogeny of the Archiborborini (Sphaeroceridae) based on combined molecular and morphological data <b><u>J. H. Kits</u>, <u>S.A. Marshall</u> &amp; <u>J.H. Skevington</u></b>
17:15	Near infrared spectroscopy: the bridge between the phenotype and genotype in Diptera <b><u>J.I. Rodríguez-Fernández</u>, <u>C.J.B. de Carvalho</u>, <u>C. Paquini</u>, <u>K.M.G. de Lima</u>, <u>M. Moura</u> &amp; <u>G.C.G. Arizaga</u></b>	17:15	<u>Taeniptera</u> ; what is it and who belongs there? (Micropezidae) <b><u>M.D. Jackson</u>, <u>J.H. Skevington</u> &amp; <u>S.A. Marshall</u></b>
17:30		17:30	A historical narrative of the Neriidae: the taxonomic abandonment and the new perspectives <b><u>A. Pereira-Colavite</u> &amp; <u>C.J.B. de Carvalho</u></b>
17:45		17:45	
18:45	<b>Bus departure to INBioParque for Congress Banquet</b> – Departure from Convention Center main entrance		
20:30	<b>Banquet Address:</b> What is the host-specificity of caterpillar-eating tachinid flies in a large complex tropical conservation area? <b>D.H. Janzen</b> - Location: INBioParque Amphitheater		
21:00	<b>Congress Banquet</b> – Location: INBioParque Heliconias Restaurant		

**THURSDAY 12 AUGUST**

9:00	<b>Plenary Address: Diversification and specialization in the Neotropics: insights from <i>Blepharoneura</i></b> <b>M. Condon</b> – Room: La Paz A				
9:40	Open Discussion				
10:00	Coffee break break – Room: North Lobby				
	<b>WORKSHOP: Empidoidea</b> <b>(Moderators: S.E. Brooks, A.R. Plant)</b> Room: La Paz A	<b>SYMPOSIUM: Getting Diptera taxonomy</b> <b>up-to-date: New frontiers and the web</b> <b>(Moderators: I. Brake, T. Dikow)</b> Room: La Paz B	<b>SYMPOSIUM: Evolutionary ecology of</b> <b>Diptera pollinators</b> <b>(Moderator: S.I. Morita)</b> Room: La Paz C		
10:40	Introduction <b>S.E. Brooks &amp; A.R. Plant</b>	10:30	Introduction <b>I. Brake</b>	10:30	Introduction <b>S.I. Morita</b>
10:45	Taxonomy and biogeography of Neotropical Ceratomerinae <b>B.J. Sinclair</b>	10:35	Digital Diptera revisited: new tools for the identification of flies <b>S.A. Marshall</b>	10:35	Diptera and the long-proboscid pollination mode of the Mid Mesozoic <b>C.C. Labandeira</b>
11:00	Revision of the genus <i>Lyroneurus</i> and comments on the Diaphorinae phylogeny (Diptera: Dolichopodidae) <b>R.S. Capellari &amp; D.S. Amorim</b>	11:00			
11:15	Molecular phylogeny of the tribe Aphrosylini (Diptera: Dolichopodidae) <b>K. Masunaga</b>	11:15	The Encyclopedia of Life, the Biodiversity Heritage Library, and Systematic Dipterology <b>T. Dikow</b>		
11:30	The dance flies (Diptera: Empidoidea) of Western Mongolia and the Selenge River Basin <b>C.R. Nelson &amp; P.B. Frandsen</b>	11:30	Diptera.info, the dipterists' site <b>P.L.T. Beuk</b>	11:30	Fly dispersed dung mosses: manipulating insect behaviour through odour and visual cues <b>P. Marino, R. Raguso &amp; B. Goffinet</b>
11:45	Phylogeny and sexual selection in the dance fly species group <i>Enoplempis</i> (Empis, Empidini) <b>S.P. Turner, I.S. Winkler &amp; B. M. Wiegmann</b>	11:45	Scratchpads – A social networking tool to build, share & publish taxonomic information <b>I. Brake</b>		
12:00	Sexual selection and viability selection on female ornaments in <i>Rhamphomyia longicauda</i> (Empididae) <b>D. Gwynne, J. Wheeler &amp; L. Bussi�re</b>	12:00	LifeDesk: managing and sharing biodiversity research on the Web <b>T. Dikow</b>	12:00	Fly-pollination of umbelliferous plants: how specialized is the system? <b>M. Zych</b>
12:15	What's new in New World Parathalassiinae (Diptera:	12:15	CDM portals and taxonomic editor – the Milichiidae portal		

	Dolichopodidae) <b>S.E. Brooks &amp; J.M. Cumming</b>		<b>I. Brake</b>		
12:30	<b>Lunch break</b>				
	<b>WORKSHOP: Empidoidea (continued)</b> Room: La Paz A	<b>SYMPOSIUM: Getting Diptera taxonomy up-to-date: New frontiers and the web (continued)</b> - Room: La Paz B	<b>SYMPOSIUM: Evolutionary ecology of Diptera pollinators (continued)</b> - Room: La Paz C		
13:30	Diversity and phylogeny of Hemerodromiinae (Diptera: Empididae) <b>A. R. Plant</b>	13:30	Cybertaxonomy as a new paradigm for documenting biodiversity: technological advances, opportunities and the culture of taxonomy <b>S.L. Winterton</b>	13:30	Floral niche models best explain proboscis length evolution in long-tongued, bloodsucking pollinators (Diptera: Tabanidae) <b>S.I. Morita &amp; S.D. Johnson</b>
13:45	Molecular data yield new insights in the phylogeny of long-legged flies (Diptera, Dolichopodidae) <b>M. Pollet, C. Germann &amp; M.V. Bernasconi</b>	13:45	Internet or paper: possible solution <b>V. Blagoderov &amp; I. Brake</b>		
14:00	The Baltic amber Dolichopodidae (Diptera): an abundant and diverse fauna <b>D.J. Bickel</b>	14:00	Systema Dipteroorum – the new portal for information about Diptera <b>T. Pape</b>	14:00	Altitudinal patterns in horse fly activity in a tropical cloud forest <b>R.E. Cárdenas, O. Dangles, N. Hernández &amp; A.R. Barragán</b>
14:15	The subfamily Medeterinae (Dolichopodidae): an overview of genera and characters <b>D.J. Bickel</b>	14:15	New frontiers in mapping biodiversity specimen data <b>G.E. Kampmeier</b>		
14:30	An exemplar approach of the morphological phylogeny of the subfamily Empidinae <b>C. Daugeron &amp; I.S. Winkler</b>	14:30	Flower fly (Diptera, Syrphidae) identification made easy: a photographic key to the North American syrphids <b>G.F.G. Miranda, A.D. Young, M. Locke, J.H. Skevington &amp; S.A. Marshall</b>	14:30	Canpolin – Current Canadian research on pollinators <b>J.H. Skevington, S.A. Marshall &amp; F.C. Thompson</b>
14:45	Molecular phylogeny of the subfamily Empidinae <b>I.S. Winkler et al.</b>	14:45	Large-scale collection imaging <b>V. Blagoderov &amp; E. McAlister</b>		

15:00	Phylogenetic relationships of Neotropical Empidinae lineages with regard to the entire subfamily <b>M.N. Mendonça, B.M. Wiegmann, I.S. Winkler &amp; C.J.B. de Carvalho</b>	15:00	Discussion <b>I. Brake</b>	15:00	Evidence for mimicry in the pollination of <i>Dracula</i> orchids <b>T. Policha, B. Dentinger, R. Manobanda, A. Troya, F. Bechtelstein &amp; B. Roy</b>
15:15	The impact of a mermithid parasite (Nematoda: Mermithidae) on <i>Neoplasta parahebes</i> <b>J.R. Harkrider</b>	15:15			
15:30	<b>Coffee break break – Room: North Lobby</b>				
<b>WORKSHOP: Empidoidea (continued)</b> Room: La Paz A			<b>WORKSHOP: Morphology</b> (Moderator: <b>M. Kotrba</b> ) - Room: La Paz C		
16:00	Revision of the <i>Hesperempis</i> genus group (Diptera: Empididae) <b>J.M. Cumming, S.E. Brooks &amp; T. Saigusa</b>	16:00	Beyond evolution in black and white – Structural colours in transparent Diptera wings <b>J. Kjærandsen</b>	16:00	Beyond evolution in black and white – Structural colours in transparent Diptera wings <b>J. Kjærandsen</b>
16:15	Hilarine silk, what it is and its evolution from a fly's perspective <b>J.H. Young</b>	16:15	Diverse females: Rapid evolution of the internal female genitalia in Sepsidae (Diptera) <b>N. Puniamoorthy, M. Kotrba &amp; R. Meier</b>	16:15	Diverse females: Rapid evolution of the internal female genitalia in Sepsidae (Diptera) <b>N. Puniamoorthy, M. Kotrba &amp; R. Meier</b>
16:30	The influence of some biotic and abiotic factors on abundance of aquatic Dance flies <b>M. Ivković &amp; Z. Mihaljević</b>	16:30	XXL – Giant spermatozoa in <i>Diasemopsis comoroensis</i> (Diopsidae) <b>M. Kotrba &amp; M. Hess</b>	16:30	XXL – Giant spermatozoa in <i>Diasemopsis comoroensis</i> (Diopsidae) <b>M. Kotrba &amp; M. Hess</b>
16:45	A conspectus of the Dolichopodidae of the Lesser Antilles <b>J.B. Runyon</b>	16:45	Aedeagus variation in <i>Drosophila</i> /Cactus interaction between sympatric and allopatric populations <b>C.G. Santos, R.P. Mateus, F.M. Sene &amp; M.H. Manfrin</b>	16:45	Aedeagus variation in <i>Drosophila</i> /Cactus interaction between sympatric and allopatric populations <b>C.G. Santos, R.P. Mateus, F.M. Sene &amp; M.H. Manfrin</b>
17:00	Discussion: A collective empidoid worker site? <b>P.L.T. Beuk</b>	17:00	Cross-shifting of the clasping components of the epandrium of <i>Plethysmochaeta nobilis</i> Schmitz (Diptera: Phoridae) <b>H. Nakayama</b>	17:00	Cross-shifting of the clasping components of the epandrium of <i>Plethysmochaeta nobilis</i> Schmitz (Diptera: Phoridae) <b>H. Nakayama</b>
				17:15	

**FRIDAY 13 AUGUST**

<b>SYMPOSIUM: Higher level phylogeny of flies</b> <b>(Moderator: B.M. Wiegmann) - Room: La Paz B</b>		<b>SYMPOSIUM: Biodiversity Survey Projects</b> <b>(Moderator: N.L. Evenhuis) - Room: La Paz C</b>	
9:00	Welcome and overview <b>B.M. Wiegmann</b>		
9:05	FLYTREE: Collaborative research in Diptera systematics toward a new synthesis of fly phylogeny <b>B.M. Wiegmann &amp; The FLYTREE Consortium</b>		
9:30	The FLYTREE morphological analysis reveals Dipteran evolutionary history <b>D. Yeates et al.</b>	9:30	Malaise traps in biodiversity assessments – I. A spatio-temporal comparison of Chironomidae (Diptera) documents community change in a mountain stream <b>E. Stur, O. Diserud, T. Ekrem &amp; K. Aagaard</b>
9:45	Phylogenetic analysis of entire mitochondrial genomes recovers Dipteran relationships <b>L. Nelson et al.</b>	9:45	Malaise traps in biodiversity assessments - II. Evaluating changes in community structure <b>O.H. Diserud, E. Stur, T. Ekrem &amp; K. Aagaard</b>
10:00	<b>Coffee break break – Room: North Lobby</b>		
<b>SYMPOSIUM: Higher level phylogeny of flies (continued)</b> Room: La Paz B		<b>SYMPOSIUM: Biodiversity Survey Projects (continued)</b> Room: La Paz C	
10:30	New insights into the origin and evolution of Diptera from phylogenomics <b>M.D. Trautwein, K. Peterson &amp; B.M. Wiegmann</b>	10:30	The Fiji Terrestrial Arthropod Survey -- Overview and results of a three-year study <b>N.L. Evenhuis &amp; D.J. Bickel</b>
10:45	Enhanced rate of gene duplicate accumulation in the higher Diptera: potential for phylogeny reconstruction <b>M. Friedrich, R. Bao &amp; J. Caravas</b>	10:45	Dolichopodid diversity assessment in Neotropical montane forest habitats (Dolichopodidae) <b>M. Pollet</b>
11:00	Hennig's other great, unsolved question: Placement of Conopidae using mtDNA and nrDNA <b>J.F. Gibson, J.H. Skevington &amp; S. Kelso</b>	11:00	Swedish insect diversity and the family of Phoridae (Diptera) <b>S.K.W. Noack</b>
11:15	Molecular systematics of schizophoran flies: Can we untangle the tree? <b>I.S. Winkler, B.M. Wiegmann &amp; K.M. Bayless</b>	11:15	Anthomyiid faunas in Sakhalin and adjacent territories <b>M. Suwa</b>
11:30	Calyptrate family-level phylogeny – has the dust settled yet? <b>T. Pape, S.N. Kutty, R. Meier &amp; B.M. Wiegmann</b>	11:30	Biodiversity of Costa Rican black flies (Diptera, Simuliidae) <b>L.M. Hernández, L.G. Chaverri &amp; M. Penn</b>
11:45	Discussion <b>B.M. Wiegmann</b>	11:45	
12:30	<b>Lunch break</b>		

<b>WORKSHOP: Culicomorpha</b> (Moderator: <b>D.C. Currie</b> ) - Room: La Paz B		<b>INFORMAL WORKSHOP: Scratchpads</b> (Moderator: <b>I. Brake</b> ) - Room: La Paz C	
13:30	Stability in a phylogenetic morass: monophyly and interfamilial relationships of the Culicomorpha <b>G.W. Courtney</b>	13:30	Scratchpad Training Course <b>I. Brake &amp; V. Blagoderov</b>
14:00	The phylogeny and temporal diversification of mosquitoes: a new combined data hypothesis <b>B.M. Wiegmann, K.R. Reidenbach, S. Cook, M.A. Bertone, R.E. Harbach &amp; N.J. Besansky</b>		
14:15	Biodiversity of mosquitoes (Diptera: Culicidae) in relation to its larval habitats in México and Central America <b>L.G. Chaverri</b>		
14:30	Selection of biting sites on anuran hosts by frog-biting midges ( <i>Corethrella</i> spp.) <b>P. de Silva, C. Jaramillo &amp; X.E. Bernal</b>		
14:45	Seepage midges: current knowledge and future direction (Culicomorpha: Thaumaleidae) <b>B.J. Sinclair</b>		
15:00	Phylogeny of black flies based on morphological data (Simuliidae, Culicomorpha) <b>L.H. Gil-Azevedo, N. Ferreira Jr. &amp; M. Maia-Herzog</b>		
15:15	Current and future research on the systematics of Neotropical black flies (Diptera: Simuliidae) <b>L.M. Hernández</b>		
15:30	<b>Coffee break break – Room: North Lobby</b>		
<b>WORKSHOP: Culicomorpha (continued)</b> Room: La Paz B		<b>INFORMAL WORKSHOP: Scratchpads (continued)</b> Room: La Paz C	
16:00	Up-date on revision of New Zealand <i>Austrosimulium</i> (Simuliidae) <b>D.A. Craig</b>	16:00	Scratchpad Training Course (continued) <b>I. Brake &amp; V. Blagoderov</b>
16:15	Molecular tests of a chromosome based speciation model in black flies (Diptera: Simuliidae) <b>I.M. Conflitti, G.F. Shields, R.W. Murphy &amp; D.C. Currie</b>		
16:30	Morphological and molecular phylogenetics of <i>Culicoides</i> (Diptera: Ceratopogonidae) with notes on phylogenetic patterns of ecology <b>D.A. Swanson &amp; P.H. Adler</b>		
16:45	DNA barcoding of non-biting midges (Diptera: Chironomidae)		

	<b>T. Ekrem, E. Stur &amp; P.D.N. Hebert</b>		
17:00	A molecular phylogeny for the Chironomidae <b>P.S. Cranston, N. Hardy &amp; G. Morse</b>		
17:15	Towards a molecular phylogeny of the tribe Tanytarsini (Diptera: Chironomidae): new genera emerge while others disappear <b>T. Ekrem, E. Stur, E. Willassen, W. Gilka &amp; P.S. Cranston</b>		
17:30	Discussion		
18:00	<b>Closing ceremony and farewell party – Room: La Paz A</b>		