

10th International Congress of Dipterology

Reno, Nevada, USA
16-21 July 2023

Scientific
Program



**10TH INTERNATIONAL
CONGRESS OF DIPTEROLOGY**

**RENO, USA
16-21
JULY, 2023**

10th International Congress of Dipterology

16–21 July 2023
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Scientific Program

Compiled by
Stephen D. Gaimari & Martin Hauser



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Daniel Bickel, Neal Evenhuis, Thomas Pape, Adrian Pont

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Front cover image: From the series “Entomologische Sammlung der Labors Diptera” by German artist Natalie Port. 73. Tabanidae, unknown genus and species from a private collection, collected in 2015.

Back cover image: From the series “Entomologische Sammlung der Labors Diptera” by German artist Natalie Port. 62. Muscidae, *Graphomya maculata* (Scopoli, 1763), painted from a specimen from the Museum Koenig in Bonn, collected in August 1955 from Hohenheim, Stuttgart, Germany.

Preface

The schedule of Congress activities is given in this program. The scientific program consists of 20 symposia and a General session, five plenary addresses (one each day), a Book Launch event (Tuesday evening), a Congress banquet address (Wednesday evening), and a Poster session (Wednesday and Thursday). The schedule of talks for the Book Launch event and the Congress banquet is given in the “Social Program and Miscellaneous” schedule on page 7. The 20 symposia and General session are enumerated by date on pages 8–25. The posters in the Poster Session will be arranged alphabetically by first author, so will follow in the order given in the schedule on pages 26–27.

For presentations and posters with more than one author, the presenter is indicated as follows: for two authors (displayed as “author 1 & author 2”) the underlined author is the presenter; for multi-authors (displayed as “first author et al.”) the first author is the presenter unless there is an additional author indicated in parentheses after the “et al.”, which indicates that person as the presenter.

The maps show where Congress activities take place, and the larger surrounding area. All Congress activities will be within the areas of the Silver Baron Ballrooms on the mezzanine level (page 4), and the Royal Salon and Exposition Halls on the lower level (page 6), with the escalators between the two on the Casino (street) level (page 5). Social events (lunches, receptions, Congress banquet, Book Launch event) will occupy the Silver Baron Ballrooms (Silver Baron A entrance). The scientific program will take place in the Exposition Halls, with coffee breaks held in the adjacent Royal Salon where exhibitors will be stationed. Some exhibits of interest to the general public may be held in front of the Silver Baron Ballrooms.

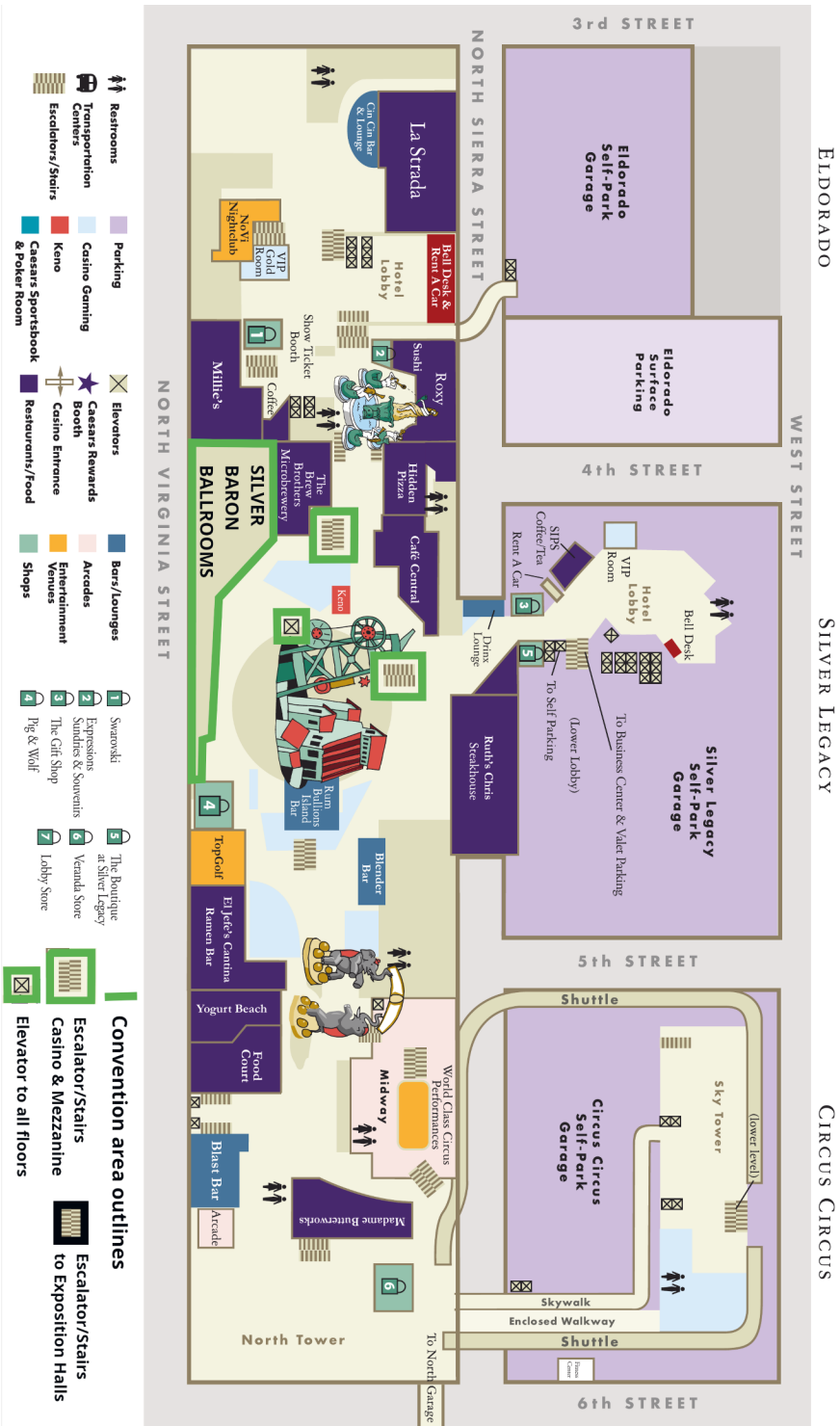
Registration as a delegate or as an Accompanying Person entitles you to attend all social activities (noting that the Congress banquet requires a purchased ticket), daily lunches from Monday through Thursday, all coffee breaks during the scientific program, any receptions including the Book Launch event. Delegates are further entitled to participate in the entire scientific program. Accompanying Persons may attend the presentations of their delegate (and perhaps a few of the talks in the particular symposium), as well as the Poster session. Note, to attend the Congress banquet you only need the purchased ticket, i.e., it is fine for an unregistered person to attend the banquet with you. Additionally, any people with you may participate, with purchase of tickets, in the Day Tours, and in the Post-Congress Tours. Also, everyone is welcome to be in the Group Photo on Wednesday.

For oral presentations, note that each has a 15 minute time-slot (30 for keynotes), including questions. We will strictly adhere to this so the schedule proceeds smoothly. There will be instructions at registration regarding uploading your presentations, which need to be in PowerPoint format, so have them available on a USB drive.

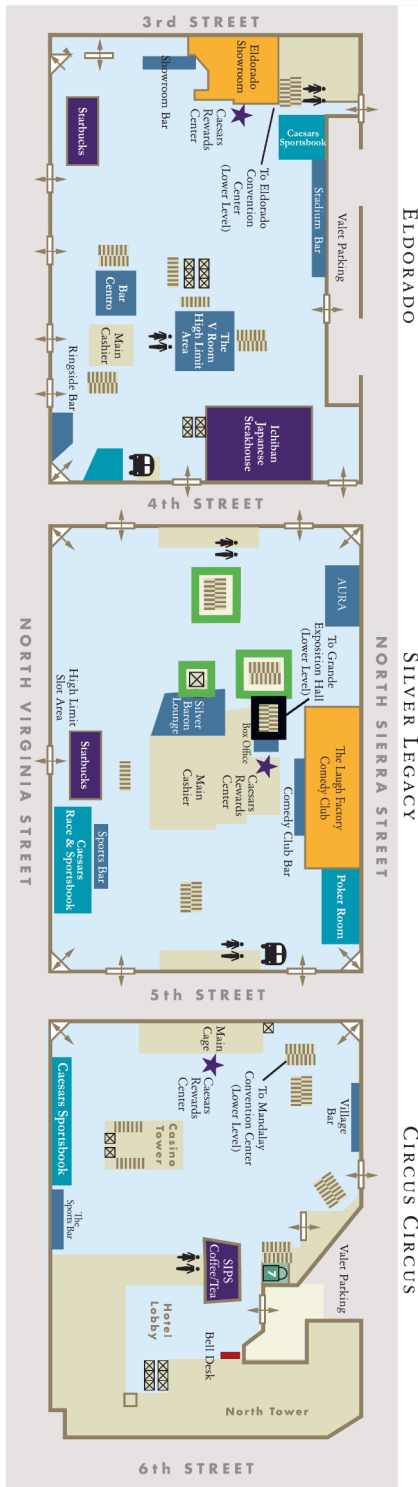
For the Poster session, please hang your poster in Exposition Hall A at any point during the morning of Wednesday, 19 July, so they are available for viewing after lunch. You should be at your poster from about 15:30 to 17:00 on that day to be available for questions from other delegates, and the poster should be taken down on Thursday, 20 July, after the afternoon coffee break. The same holds true (except the need to be at your photo) for the Diptera Photograph competition, which will be held in the same place on the same schedule.

We have a room available (the combined Gold/Silver room) for small groups who may want to meet. Please track down Steve Gaimari or Martin Hauser if interested in scheduling a time to use the room, which is furnished with a large U-shaped table and chairs for about 30 people.

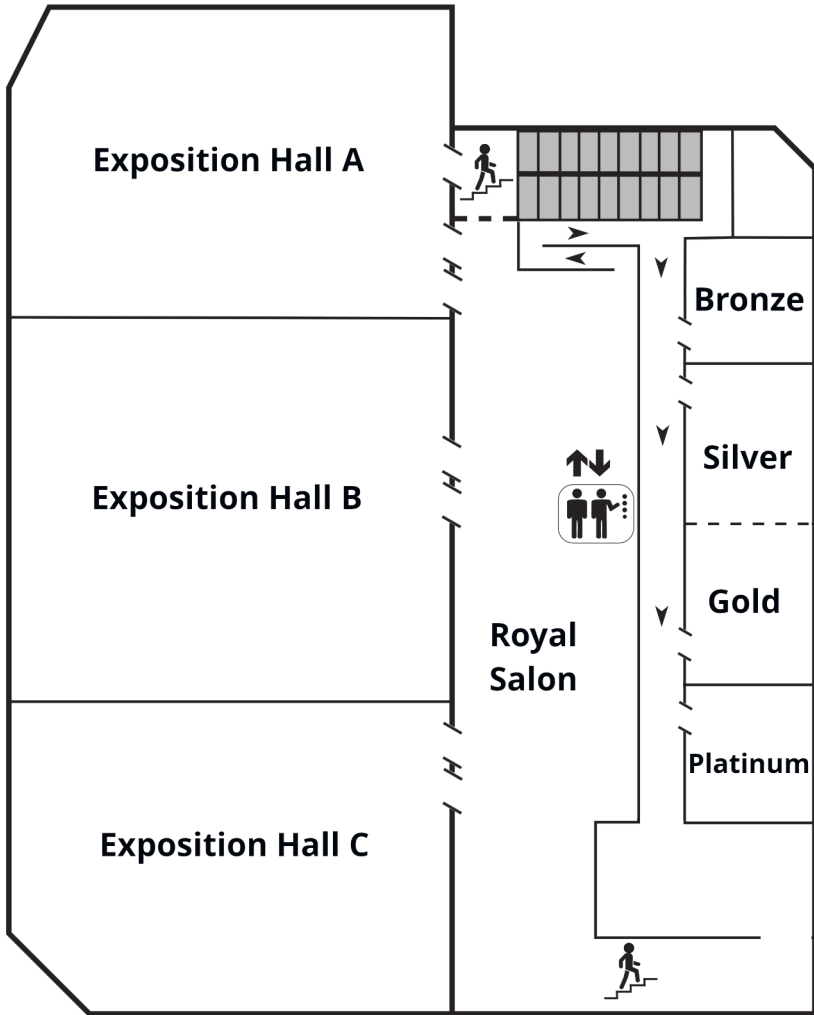
Mezzanine Level (includes Silver Baron Ballrooms and hotel lobby)



Casino Level (street level, with escalators up and down)



Lower Level (includes Exposition Halls and Royal Salon)



Social Program and Miscellaneous

Sunday, 16 July 2023

- 13:00 **Registration opens**, in front of Silver Baron A Ballroom
- 18:30 **Welcome Reception**, Silver Baron A Ballroom (finger foods and drinks)

Monday, 17 July 2023

- 19:00 **Reception**, Silver Baron A Ballroom (finger foods and drinks)

Tuesday, 18 July 2023

- Book Launch event**, with following program,
Silver Baron A Ballroom (finger foods and drinks)
- 17:30 Harp performance
Michał Majkowski
- 18:00 Introduction and background to production of Volume 3 and progress with Volume 4 of the *Manual of Afrotropical Diptera*
Ashley H. Kirk-Spriggs
- 18:15 Official launch of Volume 3 of the *Manual of Afrotropical Diptera*
Adrian C. Pont
- 18:30 Colour, characters and fly photography for *MAD*
Stephen A. Marshall

Wednesday, 19 July 2023

- 13:30 **Diptera Photo competition**
Come view the Diptera Photography competition in Exposition Hall A. Photographs will be on display at the same time and same place as the Poster Session, continuing through Thursday
- 15:15 **Group photo**
2 minute walk from Congress area, across Virginia Street, between Reno Ballroom and Silver Legacy; photo will have Silver Legacy in the background
- 18:30 **Congress Banquet**, Silver Baron A Ballroom
Banquet address: Charismatic Diptera – who are we kidding?
Erica McAlister

Thursday, 20 July 2023

- 19:00 **Reception**, Silver Baron A Ballroom (finger foods and drinks)

Monday, 17 July 2023

Exposition Hall A		Exposition Hall B
8:30		Opening Ceremony
9:00		Plenary address: How the fossil record of flies informs about distributions, extinctions, and diversity David A. Grimaldi
	Systematics and ecology of Bibionomorpha Organizers: Christopher Borkent & Netta Dorchin	Taxonomy and phylogeny of Asilidae – honoring Eric Fisher and his impact on understanding the Nearctic and Neotropical fauna Organizer: Torsten Dikow
9:45	The automated taxonomist—prospects and perils of monitoring the Norwegian Sciarioidea fauna through metabarcoding Jostein Kjærandsen	The Nearctic and Neotropical Asilidae fauna: Eric M. Fisher and his contributions Torsten Dikow
10:00	MesSciaridae Roy J. Canty	Systematic revision of the <i>philadelphicus</i> group in the genus <i>Proctacanthus</i> (Macquart) (Asilidae) <u>Teagan Mulford</u> & C. Riley Nelson
10:15	Towards revising the entire Nordic-Baltic fauna of fungus gnats by building a complete image archive online Jostein Kjærandsen et al.	The robber flies (Asilidae) of Mexico <u>Alejandro Estrada</u> & Enrique Ramírez-García
10:30	Coffee break (30 minutes), Royal Salon	
11:00	Do C ₄ Chenopodiaceae constitute superior hosts for gall-inducing midges in harsh environments? <u>Yael Kenigsberg</u> & Netta Dorchin	A molecular phylogeny of assassin flies (Diptera: Asilidae) with ancestral state reconstruction of arthropod prey preference <u>Charlotte H.E. Alberts</u> & Torsten Dikow
11:15	Discovery of paedogenetic gall midges (Diptera: Cecidomyiidae) from decayed wood and branches in natural environments in Japan and their laboratory rearing techniques Makoto Tokuda et al.	Reassessing the rare robber fly genus <i>Dasylechia</i> Williston (Asilidae) with new morphological details, DNA barcoding, an African synonymy, and information gleaned from digital media <u>Tristan A. McKnight</u> & Stephen W. Bullington

Monday, 17 July 2023

Exposition Hall C

8:30

9:00

9:45

10:00

10:15

10:30

Coffee break (30 minutes)

Calyptrate systematics and diversity

Organizers: Daniel Whitmore &
Pierfilippo Cerretti

11:00

1,467 papers and counting: the legacy of
Dalcy de Oliveira Albuquerque in
dipterology after 40 years

Claudio José Barros de Carvalho &
Márcia Souto Couri

11:15

Scavenger to parasitoid, all in one
species: the amazing flexibility of many
flesh fly life histories

Gregory A. Dahlem

	Exposition Hall A	Exposition Hall B
11:30	Curation of the El Salvador gall midge types (Diptera: Cecidomyiidae) at the State Museum of Natural History Stuttgart <u>Maria Virginia Urso-Guimarães</u> & Daniel Whitmore	Using iNaturalist as a tool for Asilidology Chris M. Cohen
11:45	A comparison of the mycetophilid fauna of two aspen islands in the Bloody Run Mountains of northern Nevada Robin D. Gray	New discoveries and phylogenetic placement of assassin flies (Asilidae) in Cretaceous and Paleogene ambers Torsten Dikow
12:00	A glimpse into the Afrotropical Mycomyinae, with emphasis on the genus <i>Mycomyiella</i> Matile (Mycetophilidae) Olavi Kurina	Discussion session
12:15	Diptera surveys in the Cerrado, the Brazilian savannah: updates and first results Sarah Siqueira Oliveira et al.	
12:30	Lunch (60 minutes), Silver Baron A Ballroom	
	Tipuloidea Organizers: Solange Akimana & Jon Gelhaus	Advances in Diptera palaeontology Organizers: Vladimir Blagoderov & Agnieszka Soszyńska
13:30	The first comprehensive molecular phylogeny of the crane fly family Tipulidae s.s. (Diptera: Tipuloidea) Robert T. Conrow et al.	Keynote: Phylogenetic relationships within the Diptera Nematocera in light of new paleontological data <u>Wiesław Krzemiński</u> & Ewa Krzemińska
13:45	How a deep look into the morphology of crane fly larvae helps to solve taxonomic problems Virginija Podeniene	Keynote continued
14:00	Numerous new species of nectar feeding <i>Geranomyia</i> crane flies (Haliday) (Limoniidae) from a small, forested fragment of Zurqui de Moravia, Costa Rica <u>Madeline Worth</u> & Jon K. Gelhaus	Two-hours life trapped in amber – first fossil representatives of the Deuterophlebiidae and their evolutionary and ecological implications Agnieszka Soszyńska et al.
14:15	Diversity of <i>Eloeophila</i> crane flies (Diptera: Limoniidae) Sigitas Podenas	Reassessment and discoveries of phorids from Cretaceous to present bring a fresh perspective to evolution of wing venation Mélanie C.M. Herbert et al.

Monday, 17 July 2023

Exposition Hall C

11:30 Earthworm-feeding Diptera: a review and evolutionary insights
Daniel Schönberger et al.
([Daniel Whitmore](#))

11:45 Inducing and observing the *Chrysomya megacephala* (Diptera: Calliphoridae) morning twilight male mating swarm: a preliminary study
Jeffrey D. Wells et al.

12:00 New data on *Basilisa handleyi* Guimarães (Nycteribiidae) after 57 years
Gabriela Hrycyna et al.

12:15 Genus *Ornithoica* Rondani in the Hippoboscidae evolution
Emilia P. Nartshuk et al.

12:30 Lunch (60 minutes)

13:30 Revisiting the New World bot flies: towards the delimitation of the genera of the subfamily Cuterebrinae (Oestridae)
Socrates Letana

13:45 First data on early instar Afrotropical Miltogramminae (Diptera: Sarcophagidae) reveal unexpected morphological diversity
Krzysztof Szpila et al.

14:00 Taxonomy and systematics of the American bristle fly genus *Xanthophyto* Townsend (Diptera: Tachinidae)
John O. Stireman III

14:15 Towards the most resolved phylogeny of Polleniidae – implications for their systematics
Krzysztof Szpila et al.

Monday, 17 July 2023

Exposition Hall A

Exposition Hall B

14:30	Comparative morphology of epandrium in <i>Tipula</i> (<i>Vestiplex</i>) Bezzi, 1924 crane flies (Diptera, Tipulidae): from ventral lobes to the tergal saucer Pavel Starkevich et al.	Amber dancers: phylogenetic affinities and ethology of enigmatic Mesozoic dance flies (Diptera Empidoidea) Davide Badano et al.
14:45	Diversification of desert crane flies in western North America (<i>Tipula</i> Linnaeus, Tipulidae) <u>Jon Gelhaus</u> & Solange Akimana	Piecing together the Baltic amber fungus gnats: a comprehensive review and material assessment <u>Vladimir Blagoderov</u> & Neal L. Evenhuis
15:00	Coffee break (30 minutes), Royal Salon	
	Syrphoidea Organizer: Ximo Mengual	
15:30	Molecular phylogenetics of predatory flower flies (Diptera: Syrphidae) using exon-capture sequencing Ximo Mengual et al.	Biogeographical history of genus of <i>Robsonomyia</i> Matile (Keroplastidae) Alicja Pelczyńska et al.
15:45	Resolving the relationships of Eristalinae (Diptera: Syrphidae) using exon-capture sequencing Kevin Moran et al.	Taxonomic disjunction in time and space: <i>Atlatlia</i> (Dolichopodidae, Medeterinae) from Australia, New Caledonia, and Baltic amber Daniel Bickel
16:00	Exon-capture sequencing reveals a new hypothesis on Microdontinae relationships Menno Reemer et al.	A review of fossil Diopsidae with discussion of a new highly dimorphic amber species <u>Hans R. Feijen</u> & Cobi Feijen
16:15	Taxonomic and ecological knowledge gaps in Afrotropical hover flies (Syrphidae) Kurt Jordaens et al.	Importance of the Fur Formation outcrop (Denmark) for evolution of the Holarctic fauna of Diptera, Nematocera Katarzyna Kopeć et al.
16:30	Taxonomic study of the genus <i>Epistrophe</i> (Walker) (Syrphidae) in Korea <u>Chan Ouk Kim</u> & Ho Yeon Han	Discussion session
16:45	Discussion session	

Reminder, there will be an evening reception tonight at 19:00 in the Silver Baron A Ballroom, serving finger foods and drinks. See the Social Program and Miscellaneous on page 7.

Monday, 17 July 2023

Exposition Hall C

14:30 Radiations within radiations:
phylogenomics and morphological
evolution of the tachinid tribe Polideini
(Diptera: Tachinidae)
Juan Manuel Perilla López & John
O. Stireman III

14:45 Genus *Ornithoica* Rondani in
Hippoboscidae evolution
Emilia P. Nartshuk et al.

15:00 Coffee break (30 minutes)

15:30 When *Calliphora* are not *Calliphora*:
advances in Calliphoridae
phylogenomics provide unprecedented
insights into Australian blow fly
systematics
Nikolas P. Johnston et al. (James E.
Wallman)

15:45 Conflict and congruence between data
from adult flies, immature stages, and
molecular markers in the systematics of
Calypterae
Andrzej Grzywacz et al.

16:00 Using anchored hybrid enrichment to
resolve the higher-level phylogeny of
anthomyiid flies (Muscoidea:
Anthomyiidae)
Ezra M. Bailey et al.

16:15 **Keynote:** Calibrated calyptrate
classification
Thomas Pape et al.

16:30 **Keynote** continued

16:45 Discussion session

Tuesday, 18 July 2023

Exposition Hall A

Exposition Hall B

8:30		Plenary address: Leaf-mining Diptera in North America Charles S. Eiseman
		Acalyptrates Organizer: Keith Bayless
9:15		Keynote: Novel approaches on the taxonomy and systematics of grass flies (Chloropidae) Paula Raile Riccardi
9:30		Keynote continued
9:45		Challenges and opportunities in Oriental acalyptrate taxonomy, with perspectives from a tiny island in Southeast Asia Yuchen Ang
	Culicomorpha Organizers: John Soghigian & Brian Wiegmann	
10:00	Keynote: An enduring enemy: evolutionary history of host association in the Culicidae John Soghigian et al.	Discovering new Acalyptratae species through DNA barcoding Valerie Levesque-Beaudin
10:15	Keynote continued	Cryptic species diversity in North American leafmining <i>Eugaurax</i> Malloch (Chloropidae) Matthew A. Bertone et al.
10:30	Coffee break (30 minutes), Royal Salon	
11:00	The global classification and description of mosquito larval habitat communities Charles B. Sither et al.	A Tale of Two Synonymizations: progress in Neotropical Chloropidae taxonomy Julia J. Mlynarek & Paula Raile Riccardi
11:15	Untangling meniscus midge male terminalia: development of descriptive language and visualization tools to facilitate research communication Gregory R. Curler et al.	Hidden treasures: unraveling the diversity, natural history, and evolution of jackal flies (Diptera, Milichiidae) Heloisa Fernandes Flores et al.
11:30	Review of Neotropical <i>Nothodixa</i> (Edwards) (Dixidae) with observations on natural history R. Isaí Madriz et al.	Systematics and natural history within the Sciomyzoidea – further questions for an uncontentious answer Joel F. Gibson
11:45	Phylogenomic reconstructions of meniscus midges (Dixidae) and black flies (Simuliidae) inferred from orthologs recovered from Illumina libraries using the aTRAM2 pipeline John K. Moulton et al.	State of art of <i>Stylogaster</i> Macquart (Conopidae) after the Museu Nacional/UFRJ fire Leonardo Silvestre Gomes Rocha

Tuesday, 18 July 2023

Exposition Hall C

8:30

Advances in Afrotropical dipterology

Organizers: Ashley Kirk-Spriggs & Bradley Sinclair

9:15

Keynote: Afrotropical flesh flies (Diptera: Sarcophagidae) – a synopsis
Daniel Whitmore et al.

9:30

Keynote continued

9:45

Updates to the Afrotropical Stratiomyidae fauna
Martin Hauser & Diego A. Fachin

10:00

Fleshy beauties – uncovering the megadiverse fauna of gall midges on succulent Aizoaceae in Southern Africa
Netta Dorchin et al.

10:15

A brief review of *Diasemopsis* Rondani (Diopsidae) with discussion of its first species-group
Cobi Feijen & Hans R. Feijen

10:30

Coffee break (30 min)

11:00

Overview of recent achievements in Afrotropical hover fly (Syrphidae) taxonomy and phylogeny
Kurt Jordaens et al.

11:15

The Diptera of Lesotho: a special issue in the journal *African Invertebrates*
John Midgley et al.

11:30

Diptera collection of the African Natural History Research Trust – a developing global resource
Ashley H. Kirk-Spriggs

11:45

Overview and guide to Diptera trainings in sub-Saharan Africa
Kurt Jordaens et al.

Tuesday, 18 July 2023

Exposition Hall A		Exposition Hall B	
12:00	The evolutionary diversification of the Culicomorpha and the earliest origins of blood feeding in Diptera <u>Brian M. Wiegmann</u> & John Soghigian		Settling a half-a-century-old debate: a revision of the family Pseudopomyzidae (Diptera, Acalypterae) with a reclassification of the family as part of the Cypselosomatidae Tiffany Yau et al.
12:15	Discussion session		Flies on small islands: zooming in on Pacific sphaerocerid diversity (Acalypterae) from Malaise trap samples in Fiji Stephen P.L. Luk
12:30	Lunch (60 minutes), Silver Baron A Ballroom		
	General session Organizer: Brian Brown		
13:30	A review and reorganization of the Natural History Museum's Diptera collection Duncan Sivell		Revising the Australian Sphaeroceridae <u>Gregory K. Kuwahara</u> & Stephen A. Marshall
13:45	From taxonomy to conservation biology: lights and shadows of the citizen science applied to native flies in Chile Rodrigo M. Barahona-Segovia		More than meets the eye: a revision of the Nearctic species of the genus <i>Amiota</i> Loew (Drosophilidae) <u>Lance E. Jones</u> & David A. Grimaldi
14:00			On <i>Librella</i> (Cryptochetidae) and the limits of Drosophilidae Keith M. Bayless et al.
	Empidoidea Organizer: Marija Ivković		
14:15	Keynote: Balloon flies, the <i>Hilara</i> group of genera – complexity and uncertainty in a “dark taxon” (Family Empididae) Daniel Bickel		Discussion session
14:30	Keynote continued		
14:45	A new illustrated identification key to Nearctic genera of Empidoidea (exclusive of Dolichopodidae s.str.) Jeffrey M. Cumming et al.		
15:00	Coffee break (30 minutes), Royal Salon		

Tuesday, 18 July 2023

Exposition Hall C

12:00 Discussion session

12:15

12:30

Lunch (60min)

13:30

13:45

14:00

14:15

Diptera pollinators

Organizer: Andrew Young

14:30

Keynote: Diptera pollination in
Australian commercial cropping systems
Abby Davis et al.

14:45

Keynote continued

15:00

Coffee break (30 min)

Exposition Hall A

Exposition Hall B

Exposition Hall A		Exposition Hall B	
		Advances in lower Brachycera systematics and taxonomy Organizers: Xuankun Li & Diego A. Fachin	
15:30	Distributional range limits of undescribed long-legged flies (Dolichopodidae: Hydrophorinae) inhabiting the intertidal zone of remote islands in Japan Kazuhiro Masunaga	Advances and perspectives in the systematics of South American bee flies and micro bee flies (Diptera: Bombyliidae and Mythicomyiidae) Carlos José E. Lamas et al.	
15:45	Review of the Dolichopodidae (Diptera) of the Netherlands: diversity, status and the significance of citizen scientist data Marc Pollet et al.	The female of <i>Atherimorpha latipennis</i> Stuckenberg, the first record of brachyptery in the Rhagionidae John Midgley & Burgert Muller	
16:00	Nematode-induced demasculinization of Nearctic Dolichopodidae (Diptera) and the taxonomic implications Justin Runyon	Morphological and molecular species delimitation of Mariobezziinae (Diptera: Bombyliidae) in South Africa Cassandra Barker et al.	
16:15	Molecular phylogeny and biogeography of the subfamily Clinocerinae (Empididae) Tanja Vojvoda Zeljko et al.	Mimicry in Stratiomyidae <u>Martin Hauser</u> & Diego A. Fachin	
16:30	New World species of the aquatic dance fly genus <i>Roederiodes</i> (Diptera: Empididae) Bradley J. Sinclair	Phylogenomics reveals accelerated late Cretaceous diversification of bee flies (Bombyliidae) Xuankun Li et al.	
16:45	Emergence patterns and community changes of aquatic dance flies (Diptera: Empididae: Clinocerinae, Hemerodromiinae) during 15 years <u>Marija Ivković</u> & Ivana Pozojević	Discussion session	

Reminder, we are holding a Book Launch event in the Silver Baron A Ballroom this evening at 17:30.

Finger foods and drinks will be served, and the event will lead off with a harp performance, followed by presentations to celebrate the official launch of Volume 3 of the *Manual of Afrotropical Diptera!*

See the Social Program and Miscellaneous on page 7.

Tuesday, 18 July 2023

Exposition Hall C

- 15:30 Variation in pollinating insect sampling associated with Malaise traps in marginal agricultural environments in Southern Ontario, Canada
Emily J. Forrester et al.
- 15:45 Syrph-ing habitats: investigating the impact of agricultural landscape composition on native flower fly populations in Southern Ontario
Samantha Reynolds et al.
- 16:00 Role of Chloropidae in the cross pollination of the endemic *Aristolochia bianorii* (Aristolochiaceae) and other species in the Balearic Islands (Spain)
Miguel Ángel Miranda et al.
- 16:15 Taxonomic and ecological knowledge gaps in Afrotropical hover flies (Syrphidae)
Kurt Jordaens et al.
- 16:30 *Philopota* Wiedemann (Acroceridae) as an effective pollinator and observation of Diptera visitors on two species of *Maranta* L. (Marantaceae) in the atlantic forest of Serra do Mendanha Natural Park, Rio de Janeiro
Rejane Gomes-Pimentel et al.
(Leonardo Silvestre Gomes Rocha)
- 16:45 Discussion session

Exposition Hall B

Exposition Hall C

8:30	<p>Plenary address: How scientific studies of the house fly in the 20th century influenced language and culture; the rise of filthy flies, flyswatters, and barflies May Berenbaum</p> <p>Tephritoidea of economic importance Organizer: Severyn Korneyev</p>	
9:15	<p>The phylogenomic context of Tephritidae and Tephritoidea Keith M. Bayless et al.</p>	<p>Biodiversity surveys and conservation Organizers: Marc Pollet & Justin Runyon</p>
9:30	<p>A new phylogeny of true fruit flies (Diptera: Tephritidae) based on nuclear loci obtained by phylogenomic methods Allen L. Norrbom et al.</p>	<p>Keynote: Survey sweet spots ... looking for flies in all the right places Stephen A. Marshall</p> <p>Keynote continued</p>
9:45	<p>Genomic data supports a new, phylogeny-enabled, identification system for <i>Anastrepha</i> (Tephritidae) Brian M. Wiegmann et al.</p>	<p>Diptera surveys in the Cerrado, the Brazilian savannah: updates and first results Sarah Siqueira Oliveira et al.</p>
10:00	<p>Comparing population genomic strategies for developing diagnostic markers in <i>Anastrepha ludens</i> Loew (Tephritidae) Julian R. Dupuis et al.</p>	<p>Diptera (Schizophora) from a mining area in the Brazilian Amazon Caroline C. De-Souza et al.</p>
10:15	<p>Interactive identification key to third instars of <i>Anastrepha</i> Schiner (Diptera: Tephritidae) Erick J. Rodriguez et al.</p>	<p>Sampling with pan traps through time shows the importance of taking wide periods to catch the diversity of the fly community Javier Chinga & Rodrigo M. Barahona-Segovia</p>
10:30	<p>Coffee break (30 minutes), Royal Salon</p>	
11:00	<p>New species of the genus <i>Bactrocera</i> Macquart (Diptera: Tephritidae: Dacinae) with red stripes on scutum Severyn V. Korneyev et al.</p>	<p>Into the "Heart of Darkness" – Diptera survey of Nouabalé-Ndoki National Park, Congo Ashley H. Kirk-Spriggs</p>
11:15	<p>Taxonomic revision of subfamily Dacinae (Diptera: Tephritidae) from Taiwan based on morphological characters Chien-Yu Huang & Shiuh-Feng Shiao</p>	<p>Diptera surveys in Inner Mongolia, China Li Shi</p>
11:30	<p>A photographic atlas of the Dacini of the world (Diptera: Tephritidae) Luc Leblanc et al.</p>	<p>Diptera of Haida Gwaii, British Columbia, Canada Joel F. Gibson</p>

The Poster Session begins today after lunch. Posters (and photos from the Diptera Photography competition) will be up and ready for viewing in Exposition Hall A through Thursday. Also note, the Group Photo will be today at 15:15! And finally, tonight is the Congress Banquet, being held in the Silver Baron A Ballroom starting at 18:30. See the Social Program and Miscellaneous on page 7 for details.

Exposition Hall B

Exposition Hall C

11:45	Latitudinal variation in survival and immature development of <i>Ceratitis capitata</i> (Wiedemann) (Diptera: Tephritidae) populations reared in two key overwintering hosts Georgia D. Papadogiorgou et al. (Nikos T. Papadopoulos)	Over fifty years after the <i>Catalogue of the Diptera of the Americas South of the United States</i> : an update on the knowledge of Chile Diptera diversity Rodrigo M. Barahona-Segovia et al.
12:00	Taxonomic notes on tribe Gastrozonini (Diptera: Tephritidae: Dacinae) with a record of two new species from India David Karamankodu Jacob et al.	Update of the Swiss Diptera checklist Jean-Paul Haenni et al. (Lisa Fisler)
12:15	Unveiling the black hole of 'non-EU Tephritidae': identification of fruit fly larvae intercepted in the EU Andrea Taddei et al.	Altitudinal homogenisation of mountain parasitoids across six decades Moreno Di Marco et al. (Pierfilippo Cerretti)
12:30	Lunch (60 minutes), Silver Baron A Ballroom	
13:30	Poster session begins in Exposition Hall A, continuing through Thursday	
13:30	Revisiting Tachiniscidae (Diptera: Tephritoidea): status, diagnosis, phylogeny, and diversification Severyn V. Korneyev & <u>Valery A. Korneyev</u>	The Our Planet Reviewed Corsica 2019-2021 expedition: building and sharing knowledge on Diptera diversity Marc Pollet et al.
13:45	Discovery and revision of the bamboo picture-winged flies (Diptera: Tephritoidea: Ulidiidae: Lipsanini): unknown diversity and taxonomy Damir Kovac et al. (Valery A. Korneyev)	Oak and chestnut forest in Canton of Ticino (southern Switzerland): biodiversity and sampling protocol Lucia Pollini Paltrinieri
14:00	Revision of the New World species of the genus <i>Tephritis</i> (Diptera, Tephritidae, Tephritinae) Severyn V. Korneyev	Diptera sampling in remote islets: combining direct sampling and non-destructive automatic electronic traps Miguel Ángel Miranda et al.
14:15	Discussion session	An integrated overview of <i>Paralucilia</i> species (Diptera, Oestroidea, Calliphoridae) in the Amazonian biome Taís Madeira Ott et al.
14:30		Fly puke and poop: a simplified iDNA metabarcoding protocol for detecting vertebrate species using calyprate flies Yuchen Ang et al.
14:45		"Dark taxa" in Diptera collected for the California Insect Biodiversity Initiative reveal a need for taxonomic expertise <u>Benjamin K. Maples</u> & Severyn V. Korneyev
15:00	Coffee break (15 minutes), Royal Salon	
15:30	Poster Session in Exposition Hall A – authors will be with their posters until 17:00 (see list of posters on pages 26–27) – posters will be up through Thursday	

Exposition Hall B

Exposition Hall C

8:30	<p>Plenary address: From a mosquito's (Culicidae) perspective – what happens when there are co-circulating viruses out there? Fiona Hunter</p> <p>Biology, ecology and development of management strategies for biting flies Organizers: Daniel Kline & Jerry Hogsette</p>	
9:15	<p>Trapping techniques for <i>Stomoxys calcitrans</i> (L.) (Muscidae) Jerome Hogsette</p>	<p>Diptera phylogenomics Organizers: Jessica Gillung & Liping Yan</p>
9:30	<p>Parasitoids, predators, and mass trapping for stable fly management, a new IPM approach G�rard Duvallet et al.</p>	<p>Keynote: Assessing phylogenomic support for a renewed fly tree of life Brian M. Wiegmann et al.</p> <p>Keynote continued</p>
9:45	<p>Evaluating aversion behaviors to develop a standardized method of evaluating fly worry and fly control product efficacy in horses Cassandra Olds</p>	<p>Keynote: Resolving the Diptera tree of life through advances in bioinformatics Kevin Moran et al.</p>
10:00	<p>Arbovirus modification of midge behavior and considerations for vector surveillance and management Dana Nayduch</p>	<p>Keynote continued</p>
10:15	<p>Investigating factors associated with larval <i>Culicoides</i> Latreille (Ceratopogonidae) emergence from sylvatic and agricultural habitats Bethany L. McGregor et al.</p>	<p>Towards a curated and optimized UCE probe set for investigating the evolutionary history of flies (Diptera, Insecta) Helo�sa Fernandes Flores et al.</p>
10:30	Coffee break (30 minutes), Royal Salon	
11:00	<p>Tabanidae of the Lower Suwannee Wildlife Refuge, Florida, USA Daniel L. Kline & Adam Bowman</p>	<p>Molecular phylogenetics of moth flies (Diptera: Psychodidae) using exon-capture sequencing Santiago Jaume-Schinkel et al.</p>
11:15	<p>Population increase and its management of container-inhabiting mosquitoes (Diptera: Culicidae) in northeastern Florida Rui-de Xue</p>	<p>Evolution and diversification of snail-killing flies (Diptera, Sciomyzidae) Marcela M.P.Zichinelli et al.</p>
11:30	<p>Discussion session</p>	<p>Phylogenomics of the bee fly genus <i>Lordotus</i> Loew, 1863 (Diptera: Bombyliidae) Allan Cabrero et al.</p>

Reminder, the Poster Session is still going on today, so feel free to continue to peruse the posters in Exposition Hall A!

Exposition Hall B

Exposition Hall C

11:45		Robust taxon sampling and targeted capture phylogenomics provide insights into the evolution of parasitism in blow flies (Oestroidea: Calliphoridae) Cristian F. Beza-Beza et al.
12:00		Automated mitogenome extraction from low-coverage genome skimming data facilitates integrative systematic revision of <i>Pollenia</i> Robineau-Desvoidy (Polleniidae) and a revised phylogenetic hypothesis for the Polleniidae Nikolas P. Johnston et al.
12:15		Phylogeny of Oestridae (Calypttratae: Oestroidea): evidence from transcriptomes Liping Yan et al.
12:30	Lunch (60 minutes), Silver Baron A Ballroom	
	Dipterology in forensic entomology Organizer: Robert Kimsey	Diptera morphology Organizers: Gregory Curler & André P. Amaral
13:30	Keynote: Evaluating the suitability of a transgenic blow fly for insect age estimation empirical validation Amber MacInnis et al. (Jeffrey D. Wells)	Keynote: Communicating morphology to a broad audience: a primitive crane fly story <u>R. Isaí Madriz</u> & Gregory R. Curler
13:45	Keynote continued	Keynote continued
14:00	Forensic entomology and the Sonoran Desert: progress and challenges <u>Lauren M. Weidner</u> & Andrew Meeds	Searching for synapomorphies: the case of Orthocladiinae Genus 5 (Chironomidae) Andrew Fasbender
14:15	Diversity, distribution and DNA-barcoding of forensically important blow flies (Diptera: Calliphoridae) in the Caribbean Region <u>Sohath Z. Yusseff-Vanegas</u> & Ingi Agnarsson	The unlikely siblings: an unexpected twist in Tanypodinae's subfamily reunion Fabio L. da Silva et al.
14:30	Using 3rd instar larval morphology for identification of Sarcophagidae of forensic importance in Jamaica <u>Rochelle Daley</u> & Eric Garraway	The conundrum of the biting "non-biting midges" André P. Amaral et al.
14:45	Evolution and biogeography of blow flies (Diptera: Calliphoridae) from the Caribbean Region Sohath Z. Yusseff-Vanegas et al.	Study on the metathoracic segments in the Nematocera Takuji Tachi
15:00	Coffee break (30 minutes), Royal Salon	
15:30	Local ecosystem and abiotic variable impact on carrion fly communities Marjorie C. Reid	To see the unseen: on confocal microscopy in Diptera morphology studies <u>Kinga Walczak</u> & Andrzej Grzywacz

Thursday, 20 July 2023

Exposition Hall B		Exposition Hall C
15:45	Forensic entomology case study: blow flies associated with dismembered and concealed remains Krystal R. Hans	Ultrastructure of antennal sensory organs in Calyptratae Wentian Xu et al.
16:00	Pesticides and blow flies: how do clothianidin and bifenthrin affect Calliphoridae (Diptera) oviposition? <u>Teomie Rivera-Miranda</u> & Krystal R. Hans	Genital bridge and interbase – same structure, different names Pavel Starkevich et al.
16:15	The first reported case of accidental intestinal myiasis in a domestic dog by the flesh fly, <i>Sarcophaga africa</i> (Wiedeman) (Sarcophagidae) Louwtjie P. Snyman et al. (Kirstin A. Williams)	An attainable approach to specimen digitization with implications in data collection, research communication and end-user accessibility <u>Gregory R. Curler</u> & R. Isaí Madriz
16:30	Discussion session	Discussion session

Reminder, our final evening reception will take place tonight at 19:00 in the Silver Baron A Ballroom, serving finger foods and drinks. See the Social Program and Miscellaneous on page 7.

Friday, 21 July 2023

Exposition Hall B		Exposition Hall C
8:30	Plenary address: Accelerating biodiversity discovery in hyperdiverse arthropod clades with robots and Nanopore sequencing Rudolf Meier	
	Multilevel solutions to large taxonomic problems in Diptera Organizers: Leshon Lee & Valerio Caruso	Dipterans as parasites and vectors Organizer: Tamara Szentiványi
9:15	Keynote: Managing <i>Megaselia</i> Rondani (Phoridae): multifaceted solutions to one of the world's largest genera Emily A. Hartop	Challenges in identifying Afrotropical horse flies of the genus <i>Atylotus</i> (Osten-Sacken) (Tabanidae) Kirstin A. Williams & Louwtjie P. Snyman
9:30	Keynote continued	A taxonomic review of Canadian Oestridae (Calyptratae: Oestroidea) Ruishen Zhang et al.

Friday, 21 July 2023

Exposition Hall B		Exposition Hall C
9:45	Experimental taxonomy: addressing the taxonomic impediments through localizing and prudent disregard Leshon Lee et al.	Bot flies on flatworms: hyperparasitism or just a fluke? Socrates Letana et al.
10:00	Starting point for investigation of German <i>Megaselia</i> (Phoridae) Valerio Caruso et al.	Migratory birds and louse flies – a Canadian review Valerie Levesque-Beaudin
10:15	Multilevel investigation of Diptera taxonomy: exploring coastal sand dunes in Italy Aleida Ascenzi et al.	Taxonomic revision of the genus <i>Megistopoda</i> (Macquart) (Streblidae) parasites of new world leaf-nosed bats (Chiroptera: Phyllostomidae) and preliminary results of species delimitation Ali Zeltzin Lira-Olguin et al.
10:30	Coffee break (30 minutes), Royal Salon	
11:00	Cecidomyiidae (Diptera) diversity in Finland in the light of high-throughput DNA barcoding and nuclear sequencing Niina Kiljunen	Diptera and vector borne diseases under a One Health perspective in Spain Miguel Ángel Miranda
11:15	Normalizing the genera of Phoridae Brian V. Brown	The integrated management of the Asian tiger mosquito (<i>Aedes albopictus</i>) in Greece with emphasis on the Sterile Insect Technique Antonios Michaelakis & Nikos T. Papadopoulos
11:30	Integrating molecular and morphological approaches for taxonomic revisions of dark taxa: a case study on fungus gnats (Mycetophilidae) in Singapore Yuchen Ang et al.	A surveillance program of invasive mosquitoes based on citizen science in Hungary Zoltán Soltész et al.
11:45	TaxonWorks as a tool for managing large biodiversity projects Dmitry A. Dmitriev et al.	Estimating <i>Dirofilaria</i> (Railliet & Henry) (Nematoda: Onchocercidae) occurrence and distribution in Hungary using different approaches Tamara Szentiványi et al.
12:00	Short break (15 minutes) to get to Exposition Hall B	
12:15	Closing ceremony	

Exposition Hall A

New species of Neotropical frog-biting midges (Corethrellidae).
André P. Amaral et al.

Unusual as usual: conspicuous larvae from Cretaceous amber.
André P. Amaral et al.

Succession and richness of acalyptrate muscoid families with respect to vertebrate decomposition.
Maxwell G. Arnold & Robert B. Kimsey

Advances in the systematics of three unusual genera of Steganinae from the Western Hemisphere.
Sávio Cunha Costa et al. (Sarah Siqueira de Oliveira)

The state of North American aphidophagous syrphid larvae (Syrphidae) descriptions and knowledge gaps.
Alice Dabrowski & Andrew D. Young

Methods of focus stacking for live insect photography.
Zachary R. Dankowicz

Sarcophagidae (Diptera: Oestroidea) from two mangrove forests in the Brazilian Amazon.
Caroline C. De-Souza et al.

Mydidae of the central Namib Desert at the Gobabeb Namib Research Institute, Namibia.
Torsten Dikow

Combining natural enemies and mass trapping for stable fly management.
Gérard Duvallet et al.

Survey of Diptera species and habitats in seven states in Sudan.
Esra Elfaki & Salaj, M.

The North American Dipterists Society – where do we go from here? The Dipterists Society!
Stephen D. Gaimari et al.

Rare Calyptratae flies (Muscidae and Sarcophagidae) preserved in fossil resin from *Hymenaea* spp.
Lucas Roberto P. Gomes & Mónica M. Solórzano-Kraemer

Review of the genus *Eugenys* Quate, 1996 (Diptera: Psychodidae) with the description of two new species from the Neotropical Region.
Santiago Jaume-Schinkel & Gunnar M. Kvifte

Taxonomic study of the genus *Dasysyrphus* (Enderlein) (Syrphidae) in Korea.
Chan Ouk Kim & Ho Yeon Han

The Bohart Museum Diptera collection need for systematist application.
Brittany L. Kohler et al.

A fruitful decade of tephritid fly surveys in Bangladesh (Diptera: Tephritidae).
Luc Leblanc et al.

An updated phylogeny of Neotropical Chrysomyinae (Diptera, Calliphoridae), with notes about biogeography.
Taís Madeira Ott et al.

German Barcode of Life III: Dark Taxa – Diptera.
Ximo Mengual et al.

Poster session, Wednesday, 19 July 2023 – afternoon

Exposition Hall A

A new species of *Nyassamyia* Lindner (Diptera: Stratiomyidae) from South Africa.
John Midgley & Genevieve Theron

Biological observations of the larvae of *Meromacroides meromacriformis* (Bezzi).
John Midgley et al.

Spheginobaccha pamelae Thompson & Hauser, additional locality records and description of the female.

John Midgley et al.

The genus *Amphoterus* Bezzi: taxonomic notes on a rare Afrotropical hover fly genus.
John Midgley et al.

Niche-modelling for Afrotropical hover flies (Diptera, Syrphidae): a case study using the invasive species *Toxomerus floralis*.

Burgert Muller et al. (John Midgley)

Catalogue of the Tachinidae (Insecta: Diptera) of the world.

James E. O'Hara & Shannon J. Henderson

Insecticidal activity of *Dysphania ambrosioides* (Amaranthaceae) essential oil against house fly (*Musca domestica*) (Muscidae).

Gabriela Antonieta Oyarce et al.

Adults of geographically distant populations of *Ceratitis capitata* (Wiedemann) (Tephritidae) respond differently to thermal stress depending on age, acclimation and mating status.

Antonios G. Papadopoulos et al. (Nikos T. Papadopoulos)

Computer-based identification of immature forms of Neotropical blow flies (Diptera, Calliphoridae).

Aline Marrara Prado & Patrícia Jacqueline Thyssen

Evaluation of different larval diets for the laboratory rearing of *Aedes albopictus* (Skuse) (Culicidae).

Eleni C. Savvidou et al. (Nikos T. Papadopoulos)

Examining Diptera entrapment bias in two different taxa of resin-producing trees.

Mónica M. Solórzano-Kraemer et al.

The association between urbanization and the presence of invasive mosquito species in Hungary based on community science.

Zoltán Soltész et al.

Processing of entomological traces to supply the morphological and molecular diagnosis: a proposal for a standard protocol for the Neotropical region.

Patrícia J. Thyssen et al.

An unusual myiasis by *Lucilia eximia* (Wiedemann) (Calliphoridae) in a dog and evidence of mistreatment: case report and identification key for Neotropical third-instar larvae.

Gabriela S. Zampim et al. (Patrícia J. Thyssen)

The Diptera Photography competition will take place concurrently with the Poster Session – same time and place (it's a big room!).

Attending Delegates

Name	Country	Institution (if applicable)
Abercrombie, Jay	USA	
Akimana, Solange	USA	Drexel University
Alberts, Charlotte H.E.	USA	National Museum of Natural History
Amaral, André P.	Germany	Ludwig-Maximilians-Universität München
Ang, Yuchen	Singapore	National University of Singapore
Arnold, Maxwell G.	USA	University of California, Davis
Ascenzi, Aleida	Italy	Sapienza University of Rome
Badano, Davide	Italy	University of Siena
Bailey, Emily	USA	North Carolina State University
Barahona Segovia, Rodrigo M.	Chile	Universidad de Los Lagos
Barker, Cassandra	South Africa	Stellenbosch University
Bayless, Keith M.	Australia	Australian National Insect Collection, CSIRO
Berenbaum, May R.	USA	University of Illinois Urbana-Champaign
Bertone, Matthew A.	USA	North Carolina State University
Beza-Beza, Cristian F.	USA	North Carolina State University
Bickel, Daniel	Australia	Australian Museum
Biedenweg, Douglas	USA	
Blagaderov, Vladimir	United Kingdom	National Museums Scotland
Borkent, Christopher J.	USA	California Department of Food & Agriculture
Borkent, Art	Canada	
Bouchard, Raymond, Jr.	USA	University of Minnesota
Boucher, Stéphanie	Canada	McGill University
Brown, Brian V.	USA	Natural History Museum of Los Angeles County
Cabrero, Allan	USA	National Museum of Natural History
Canty, Roy J.	Germany	Staatliches Museum Für Naturkunde Stuttgart
Caruso, Valerio	Germany	Staatliches Museum Für Naturkunde Stuttgart
Carvalho, Claudio José Barros de	Brazil	Universidade Federal do Paraná
Cassel, Brian	USA	North Carolina State University
Cattle, Escher	USA	North Carolina State University
Cerretti, Pierfilippo	Italy	Sapienza University of Rome
Cohen, Chris M.	USA	North Carolina State University
Conrow, Robert T.	USA	Drexel University
Cumming, Jeffrey M.	Canada	Canadian National Collection of Insects
Curler, Gregory R.		
da Silva, Fabio Laurindo	Brazil	Universidade de São Paulo
Dabrowski, Alice	Canada	University of Guelph

Attending Delegates

Name	Country	Institution (if applicable)
Dahlem, Gregory A.	USA	Northern Kentucky University
Daley, Rochelle	Jamaica	University of the West Indies
Dankowicz, Zachary R.	USA	Walter Johnson High School
Davis, Abby	Australia	University of New England
De-Souza, Caroline C.	Brazil	Museu Paraense Emílio Goeldi
Dikow, Torsten	USA	National Museum of Natural History
Dmitriev, Dmitry A.	USA	Illinois Natural History Survey
Dorchin, Netta	Israel	Tel Aviv University
Dupuis, Julian R.	USA	University of Kentucky
Duvallet, Gerard	France	Université Paul-Valéry Montpellier 3
Eiseman, Charles S.	USA	
Elfaki, Esra	Sudan	National Research Centre
Espinoza, Melissa	USA	
Estrada, Alejandro	México	Colegio de Postgraduados
Evenhuis, Neal L.	USA	Bernice P. Bishop Museum
Fasbender, Andrew	USA	Rhithron Associates Inc.
Feijen, Hans R.	Netherlands	Naturalis Biodiversity Center
Feijen, Cobi	Netherlands	Naturalis Biodiversity Center
Fisher, Eric M.	USA	
Fisler, Lisa	Switzerland	Info Fauna
Fitzgerald, Scott	USA	
Flores, Heloísa Fernandes	Brazil	University of São Paulo
Forrester, Emily J.	Canada	University of Guelph
Gaimari, Stephen D.	USA	North American Dipterists Society
Gelhaus, Jon K.	USA	Academy of Natural Sciences of Drexel University
Gibson, Joel F.	Canada	Royal British Columbia Museum
Gillung, Jessica	Canada	McGill University
Godfrey, Andrew	United Kingdom	
Gray, Robin D.	USA	Seven Valleys LLC
Grimaldi, David A.	USA	American Museum of Natural History
Grzywacz, Andrzej	Poland	Nicolaus Copernicus University in Toruń
Hannon, Eugene	USA	Fresno County Dept of Agriculture
Hans, Krystal R.	USA	Purdue University
Hartop, Emily Anne	Germany	Museum für Naturkunde
Hauser, Martin	USA	California Department of Food & Agriculture
Herbert, Mélanie Clotilde Magalie	Germany	Senckenberg Forschungsinstitut und Naturmuseum

Attending Delegates

Name	Country	Institution (if applicable)
Hogsette, Jerome	USA	USDA-ARS-CMAVE
Hrycyna, Gabriela	Brazil	Universidade Federal do Parana
Huang, Chien-Yu	Taiwan	National Taiwan University
Hunter, Fiona F.	Canada	Brock University
Irwin, Michael E.	USA	University of Arizona / University of Illinois
Ivković, Marija	Croatia	University of Zagreb
Jacob, David Karamankodu	India	ICAR-NBAIR
Jaume-Schinkel, Santiago	Germany	Museum Koenig LIB
Johnston, Nikolas P.	Australia	University of Technology Sydney
Jones, Lance E.	USA	University of Illinois Urbana-Champaign
Jordaens, Kurt	Belgium	Royal Museum for Central Africa
Kameneva, Elena P.	Ukraine	Schmalhausen Institute of Zoology
Kenigsberg, Yael	Israel	Tel Aviv University
Kiljunen, Niina	Finland	University of Oulu
Kim, Chan Ouk	South Korea	
Kimsey, Robert B.	USA	University of California, Davis
Kirk-Spriggs, Ashley	United Kingdom	African Natural History Research Trust
Kjærandsen, Jostein	Norway	The Arctic University Museum of Norway
Kline, Daniel L.	USA	USDA-ARS-CMAVE
Kohler, Brittany L.	USA	University of California, Davis
Kopeć, Katarzyna	Poland	Polish Academy of Sciences
Korneyev, Valery	Ukraine	Schmalhausen Institute of Zoology
Korneyev, Severyn	USA	California Department of Food & Agriculture
Krzemiński, Wiesław	Poland	Polish Academy of Sciences
Kung, Giar-Ann	USA	Natural History Museum of Los Angeles County
Kurina, Olavi	Estonia	Estonian University of Life Sciences
Kuwahara, Gregory K.	Canada	University of Guelph
Kvifte, Gunnar	Norway	Nord University
Lamas, Carlos José E.	Brazil	Museu de Zoologia, Universidade de São Paulo
Leblanc, Luc	USA	University of Idaho
Lee, Leshon	Singapore	National University of Singapore
Letana, Socrates	USA	University of California, Davis
Levesque-Beaudin, Valerie	Canada	University of Guelph
Li, Xuankun	China	China Agricultural University
Lira-Olguin, Ali Zeltzin	USA	Texas A&M University
Luk, Stephen P.L.	Canada	University of Guelph

Attending Delegates

Name	Country	Institution (if applicable)
Madeira-Ott, Taís	Brazil	University of Campinas (UNICAMP)
Madriz, Ruben Isaí	USA	University of Tennessee
Maples, Benjamin K.	USA	California Department of Food & Agriculture
Marshall, Stephen A.	Canada	University of Guelph
Masanaga, Kazuhiro	Japan	Lake Biwa Museum
Mathis, Wayne N.	USA	National Museum of Natural History
McAlister, Erica	United Kingdom	Natural History Museum
McGregor, Bethany	USA	USDA-ARS-ABADRU
McKnight, Tristan A.	USA	University of Arizona
Meier, Rudolf	Germany	Museum für Naturkunde
Mengual, Ximo	Germany	Museum Koenig LIB
Midgley, John	South Africa	KwaZulu-Natal Museum
Miranda, Miguel Ángel	Spain	University of the Balearic Islands
Mlynarek, Julia	Canada	Insectarium de Montréal
Moran, Kevin	Canada	Carleton University
Moulton, John K.	USA	University of Tennessee
Mulford, Teagan	USA	Brigham Young University
Murphy, William	USA	Smithsonian (Research Collaborator)
Nartshuk, Emilia P.	Russia	Russian Academy of Sciences
Nayduch, Dana	USA	USDA-ARS-ABADRU
Nelson, C. Riley	USA	Brigham Young University
Norrbom, Allen L.	USA	USDA-ARS-Systematic Entomology Laboratory
O'Hara, James E.	Canada	Canadian National Collection of Insects
Olds, Cassandra	USA	Kansas State University
Oliveira, Sarah Siqueira	Brazil	Universidade Federal de Goiás
Oyarce, Gabriela Antonieta	Chile	Universidad de Concepción
Papadopoulos, Nikolaos T.	Greece	University of Thessaly
Pape, Thomas	Denmark	Natural History Museum of Denmark
Pelczyńska, Alicja	Poland	University of Łódź
Petersen, Matt	USA	University of Minnesota
Pierwola, Agnieszka	USA	American Museum of Natural History
Podenas, Sigitas	Lithuania	Nature Research Center
Podeniene, Virginija	Lithuania	Institute of Biosciences, Vilnius University
Pollet, Marc	Belgium	Research Institute for Nature and Forest (INBO)
Pollini Paltrinieri, Lucia	Switzerland	Museo Cantonale di Storia Naturale
Pont, Adrian C.	United Kingdom	Oxford University Museum of Natural History

Attending Delegates

Name	Country	Institution (if applicable)
Reemer, Menno	Netherlands	Naturalis Biodiversity Center
Reeves, Will	USA	USDA-APHIS-BRS
Reid, Marjorie C.	USA	University of California, Davis
Reynolds, Samantha	Canada	University of Guelph
Riccardi, Paula Raile	Germany	Museum für Naturkunde
Rivera-Miranda, Teomie	USA	Purdue University
Rocha, Leonardo Silvestre G.	Brazil	Universidade Federal Rural do Rio de Janeiro
Rodriguez, Erick J.	USA	Florida State Collection of Arthropods, FDACS
Roe, Amanda	USA	College of Saint Mary
Rude, Paul	USA	
Rung, Alessandra	USA	California Department of Food & Agriculture
Runyon, Justin	USA	USDA Forest Service
Savage, Jade	Canada	Bishop's University
Shi, Li	China	Inner Mongolia Agricultural University
Sinclair, Bradley J.	Canada	Canadian Food Inspection Agency
Sither, Charles B.	USA	North Carolina State University
Sivell, Duncan	United Kingdom	Natural History Museum
Soghigian, John	Canada	University of Calgary
Solórzano-Kraemer, Mónica M.	Germany	Senckenberg Forschungsinstitut und Naturmuseum
Soltész, Zoltán	Hungary	Centre for Ecological Research
Soszyńska, Agnieszka	Poland	University of Łódź
Stark, Julian	USA	American Museum of Natural History
Starkevich, Pavel	Lithuania	Nature Research Center
Steck, Gary J.	USA	Florida State Collection of Arthropods
Stireman, John O., III	USA	Wright State University
Szentiványi, Tamara	Hungary	Centre for Ecological Reserach
Szpila, Krzysztof	Poland	Nicolaus Copernicus University in Toruń
Tachi, Takuji	Japan	Kyushu University
Taddei, Andrea	France	EURL for Insects and Mites
Taylor, Constance	USA	
Thyssen, Patricia J.	Brazil	University of Campinas (UNICAMP)
Tokuda, Makoto	Japan	Saga University
Traficante, Dale, Jr.	USA	University of Florida
Urso-Guimarães, Maria Virginia	Brazil	Universidade Federal de São Carlos
Vojvoda Zeljko, Tanja	Croatia	Institute Ruđer Bošković
Walczak, Kinga	Poland	Nicolaus Copernicus University in Toruń

Attending Delegates

Name	Country	Institution (if applicable)
Wallman, James F.	Australia	University of Technology Sydney
Weidner, Lauren M.	USA	Arizona State University
Wells, Jeffrey D.	USA	Florida International University
Whitmore, Daniel	Germany	Staatliches Museum Für Naturkunde Stuttgart
Whitworth, Terry	USA	Washington State University
Wiegmann, Brian M.	USA	North Carolina State University
Williams, Kirstin A.	South Africa	KwaZulu-Natal Museum
Wingert, Brittany	Canada	University of Alberta
Winterton, Shaun L.	USA	California Department of Food & Agriculture
Woodley, Norman	USA	
Worth, Madeline	USA	Drexel University
Xu, Wentian	China	Beijing Forestry University
Xue, Rui-de	USA	Anastasia Mosquito Control District
Yan, Liping	China	Beijing Forestry University
Yau, Tiffany	Canada	University of Guelph
Yeates, David K.	Australia	Australian National Insect Collection, CSIRO
Young, Andrew D.	Canada	University of Guelph
Yusseff-Vanegas, Sohath Z.	USA	San Diego Natural History Museum
Zhang, Ruishen	Canada	McGill University
Zichinelli, Marcela M.P.	Brazil	Universidade de São Paulo

Accompanying Persons & Exhibitors

Name	Country	Exhibit (if applicable)
Blyth, Julia	USA	
Boinski, Sue	USA	
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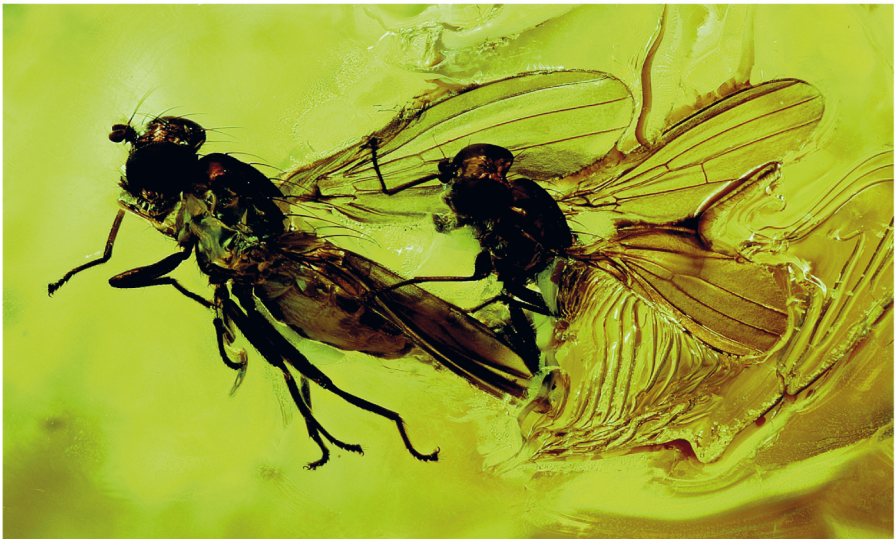
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THE FLY / Entomological collection of the Diptera laboratory

*"I have seen the fly on the windowsill and so a dialogue emerged
between us"...*

Since 2016 the graduate of the studies of painting and graphics at the Bonn University has been immersing in the world of flies.

The artistic work THE FLY shows the depictions of flies (Diptera) on a scientific basis, created after extensive studies of specimens in the museum collections throughout Germany, Austria, England.

The world of the flies, the Diptera, one of the largest groups within insects, is shown by Natalie Port in her work "The Fly". She takes viewers on a journey to the hidden treasures slumbering in museum collections, neatly sorted and stored in drawers which she now has brought back to life.



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In the pages of this scientific program, you will find the schedule of talks, posters, and other activities for ICDX, along with the list of participating delegates. We hope you enjoy your time in Reno!



Compiled by Stephen D. Gaimari & Martin Hauser