

ICO 2015 FULL PROGRAM

Sunday, November 15th

18:00 Welcome cocktail

Monday, November 16th

08:00 Registration

08:30 Opening

09:00 PLENARY TALK "The ecoregions of the Neotropics and their dragonfly fauna, as an example Peru"
Joachim Hoffmann

Session I

Neotropics Chair: *Joachim Hoffman*

09:45 "We salute the renaissance! A brief history and the current status of the Brazilian odonatology"
Ângelo Pinto

10:00 **Coffee break**

10:30 "State of knowledge of the Odonata of Southern South America: Argentina, Chile and Uruguay"
Federico Lozano

10:45 "The Odonata fauna of Bolivia"
Ken Tennessen

11:00 "Quest for *Protallagma* and *Oxyallagma* (Zygoptera: Coenagrionidae) in Peru"
Holger Hunger

11:15 "Composition and diversity of dragonflies and damselflies from Meta department (Colombia)"
Fredy Palacino Rodríguez, Alexander Sabogal González, Catalina Amaya Perilla & Cornelio Bota Sierra

11:30 "Current status of the study of Odonata biodiversity in Central and South America"
Jenilee Montes Fontalvo

11:45 "Two busy weeks in Atlantic Forest of Brazil"
Erland Refling Nielsen

12:00 Questions and discussion

12:15 **Lunch**



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Session 2

Corduliidae Chair: *Ângelo Pinto*

- 13:30** “Gone with the wind updated – the Pacific story of *Hemicordulia*”
Milen Marinov
- 13:45** “Toward a synopsis of Central and South American corduliids: taxonomic status of the genera (Anisoptera: Corduliidae s.l.)”
Ângelo Pinto
- 14:00** “Unraveling the position of *Lauromacromia* within Corduliidae s.s. using molecular and morphological data”
Jessica Ware & Ângelo Pinto
- 14:15** Questions and discussion

Session 3

Phylogeny Chair: *Jessica Ware*

- 14:25** “The first insight into comparative transcriptome analysis of the Neotropical damselfly genus *Megaloprepus*”
Wiebke Feindt, Sara Oppenheim, Rob De Salle & Heike Hadrys
- 14:40** “Phylogenetic exploration of *Mesagrion* - *Heteropodagrion* complex: a molecular approach”
León Andrés Pérez Gutiérrez
- 14:55** “Evolution at Northern limits: Understanding the Treeline Emerald (*Somatochlora sahlbergi*)”
Manpreet Kohli
- 15:10** “A molecular phylogeny and classification of Anisoptera”
Frank Carle, Karl Kjer & Michael May
- 15:25** Questions and discussion
- 15:35** **Coffe break**
- 16:00** Plenary talk: “New perspectives on some aspects of phylogeny in the Anisoptera”
Michael L. May

Session 4

Miscellanea Part 1 Chair: *Tze-wai Tam*

- 16:45** “Effects of two systemic insecticides, imidacloprid and fipronil, on *Sympetrum* species inhabiting Japanese rice paddy fields”
Hiroshi Jinguji & Tetsuyuki Ueda
- 17:00** “Morphological adaptations of dragonflies (Odonata: Libellulidae) to migration”
Catalina María Suárez Tovar & Carlos E. Sarmiento

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17:15 “Fossil Odonata of Argentina through body fossils and endophytic ovipositions”
Julián Petrulevičius & M. Eugenia Romero Lebrón

17:30 “The seven "Oddities" of the Pacific Odonata Biogeography”
Milen Marinov

Tuesday, November 17th

08:00 Plenary talk: “Flying colours: will dragonflies be the first insect order to break the 'vertebrate barrier'?”
Klass Douwe Dijkstra

Session 5

Genomics Chair: *M. Olalla Lorenzo Carballa*

08:45 “Odonata Genomics: why it matters”
Seth Bybee

09:10 “Preliminary results from the 1KITE Transodonata subproject”
Jessica Ware, Alexander Blanke, Caro Greve, Karl Ryuchiro Machida, Bernhard Misof & Oliver Niehuis

09:35 “Ecology and evolutionary dynamics in polymorphic damselflies: how can genomics and transcriptomics increase our understanding of evolutionary processes?”
Erik Svensson

Coffee break

10:30 “Transcriptomics of mating harassment in an polymorphic damselfly”
Katie Duryea, Yuma Takahasi, Chris Wheat & Erik Svensson

10:45 “Using Pool-seq to examine genetic variation affecting male fitness in *Libellula pulchella*”
Ruud Schilder

11:00 “Population genomics of sexual and parthenogenetic *Ischnura hastata*”
M. Olalla Lorenzo Carballa & Phillip C. Watts

11:15 Questions and discussion

Session 4

Miscellanea Part 2 Chair: *Tze-wai Tam*

11:30 “The German atlas of dragonflies”
Klaus-Jürgen Conze

11:45 “Current status of the dragonflies in Hong Kong ten years after the territory wide survey in 2002-2004”
Tze-Wai Tam



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12:00 “The status of *Rhionaeschna galapagoensis* (Currie, 1901) with notes on its biology (Odonata: Aeshnidae)”
A. Cordero Rivera, A.C. Encalada, R.A. Sánchez Guillén, S. Santolamazza Carbone & N. von Ellenrieder

12:15 **Lunch**

Session 6

Red Listing Chair: *Frank Suhling*

13:30 “First red list assessment for Odonata in Colombia, with some study cases”
Cornelio A. Bota Sierra, Bill Mauffray, Fredy Palacino, Ken Tennessen & Edwin Ussa

13:45 “Applying the criteria of the IUCN Red List for assessing Odonata: interpretations and their consequences”
Frank Suhling

14:15 Red Listing Workshop (Organizers: Frank Suhling & Michael J. Samways)

15:30 **Coffee break**

16:00 “The Red List of African Dragonflies - backgrounds and perspectives”
Klass Douwe Dijkstra

16:15 Plenary talk: “Conservation of narrow range endemics: what are the ingredients of success”
Michael J. Samways

17:00 SOL Meeting

Wednesday, November 18th

08:00 Plenary Talk: “Insights into etho-diversity: a study of two mirabilis *Hemiphlebia* and *Pseudolestes*”
Adolfo Cordero Rivera

Session 7

Ethology Chair: *Georg Rueppell*

08:45 “Differences in flight between dragonflies and damselflies”
Georg Rüppell

09:15 “High-frequent threatening flights of *Calopteryx* females and males”
Dagmar Hilfert Rüppell & Georg Rüppell



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- 09:30** “Visual signals influence the outcome of territorial fights in the tiger damselfly *Tigriagrion aurantinigrum* Calvert 1909 (Zygoptera: Coenagrionidae)”
Diogo Silva Vilela, Thaína A. A. Tosta, Rodrigo R. Rodrigues, Kleber Del Claro & Rhainer Guillermo Ferreira
- 09:45** “Physiological color change in response to mating-associated behaviors in *Argia apicalis* (Odonata: Coenagrionidae)”
Amanda Whispell & Michael L. May
- 10:00** **Coffee break**
- 10:30** “The remarkable wings and behavior of the Morpho-dragonfly *Zenithoptera lanei* (Odonata: Libellulidae)”
Rhainer Guillermo Ferreira, Pitágoras C. Bispo, Esther Appel, Alexander Kovalev & Stanislav N. Gorb
- 10:45** “Identified neurons in the dragonfly ventral nerve cord signal the approach of flying prey”
Andrea Worthington & Robert Olberg
- 11:00** “Individual neurons in the dragonfly ventral nerve cord control wing, head, leg, and mouth movement”
Robert Olberg & Andrea Worthington
- 11:15** Questions and discussion
- 11:25** “Details of dragonfly behaviour from high speed photography”
Georg Ruppell
- 12:15** **Lunch**
- Session 8**
Ecology Chair: Andreas Martens
- 13:30** “Habitat selection of dragonflies in terms of vegetation and aquatic environments in an Atlantic Forest conservation unit, RS, Brazil”
Samuel Renner, Göran Sahlén, Eduardo Périco
- 13:45** “Experiments about drought resistance of dragonfly eggs”
Franz-Josef Schiel
- 14:00** “Urban Dragons - Do dragonflies benefit from urbanisation?”
Diana Goertzen, Göran Sahlén & Frank Suhling
- 14:15** Questions and discussion



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Session 9

Conservation Chair: *John P. Simaika*

- 14:25** “Role of ponds in maintaining connectivity between *Ischnura elegans* populations along a Blueway in Normandy (France)”
Mickaël Le Gall, Audrey Chaput-Bardy & Aurélie Huste
- 14:40** “Distribution, habitat requirements and conservation of two rare dragonflies in southeast Texas and western Louisiana, United States”
John Abbott & Kendra Abbott
- 14:55** “Odonata in the European Habitats Directive”
Ulf Bjelke
- 15:10** “Nonlinear responses in damselfly community along a gradient of habitat loss in a savannic landscape”
Marciel Elio Rodrigues, Fabio De Oliveira Roque, Diogo Caribé de Sousa, João Carlos Pen & Paulo De Marco Junior
- 15:30** **Coffee break**
- 16:00** “Predicted response of dragonflies to climate change along an elevation gradient”
John P. Simaika
- 16:15** Questions and discussion
- 16:30** Plenary Talk: “Dragonfly biodiversity in Swedish forest lakes: current interpretations of patterns observed”
Göran Sahlén
- 17:15** WDA Board Meeting

Thursday, November 19th

- 08:00** Mid-Congress Tour

Friday, November 20th

- 08:00** Plenary Talk: “Dragonfly distribution in times of global warming: presumptions, patterns, processes”
Frank Suhling

Session 10

Evolution Chair: *Ola Fincke*

- 08:45** “Evolutionary history of *Coenagrion mercuriale* clade: the importance of multilocus genetic approaches to detect cryptic diversity, introgression and selective sweeps”
Sónia Ferreira, David J. Thompson, Paulo Célio Alves, José Carlos Brito & Phillip C. Watts



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- 09:00** “Sexual isolation in *Argia* damselflies: insights from sexual responses, genetic distance and distribution ranges”
Angela Nava Bolaños, Rosa A. Sánchez Guillén, Roberto Munguía Steyer & Alex Córdoba Aguilar
- 09:15** “Fertile Hybridization in the Odonate and evolution within the order”
Nick Donnelly
- 09:30** “Trade-offs in female signal apparency to males offer alternative anti-harassment strategies for color polymorphic females”
Ola Fincke
- 09:45** “Ontogenetic color change and intersexual communication in the Common Bluetail damselfly (*Ischnura elegans*)”
B. Willink, M.C. Duryea & E.J. Svensson
- 10:00** **Coffee break**
- 10:30** “Is the American Rubyspot damselfly a species complex? Unraveling the evolutionary history of *Hetaerina americana* (Odonata)”
Yesenia Margarita Vega Sánchez, Luis Felipe Mendoza Cuenca & Antonio Rodríguez González
- 10:45** “Founder effect and signal of adaptation in the most widespread dragonfly, *Pantala flavescens* Fabricius (Odonata: Libellulidae)”
Ingrid E. Alvial, David Véliz, Irma Vila & Héctor Vargas
- 11:00** “Body Size Evolution in Dragonflies and Damselflies: comparing micro- and macro- evolution”
John Waller
- 11:15** “*Trithemis stictica* (Odonata: Libellulidae) - lost in the desert mountains?”
Joachim Falk, Frank Suhling & Kamilla Koch
- 11:30** Questions and discussion
- Session 11**
- Larvae Chair:** *Richard Rowe*
- 11:40** “Advances on the larval taxonomy of the genus *Epigomphus* Hagen, 1854 (Anisoptera: Gomphidae)”
Rodolfo Novelo Gutiérrez, Alonso Ramírez & Débora Delgado
- 11:55** “Cordulegastridae – large dragons of small streams”
Klaus Guido Leipelt



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- 12:15** **Lunch**
- 13:30** “Exploring the vision of larval odonates”
Camilla R. Sharkey, Nicholas W. Roberts, Julian C. Partridge & Seth M. Bybee
- 13:45** “Effects of zebra mussel colonization on emergence of the dragonfly, *Macromia illinoensis*, on a northern lake in the US”
Ola Fincke
- 14:00** “Unflexible versus flexible: a comparison of the pre and post eyespot development in Libellulidae (Odonata)”
Lisa Hesse, Joachim Falk & Kamilla Koch
- 14:15** “Estivation of larvae - a rare phenomenon in bionomy of the *Cordulegaster* species?”
Otakar Holuša & Kateřina Holušová
- 14:30** “High proportion of broken and deformed procts and lateral spines in larval *Boyeria irene* (Odonata: Aeshnidae)”
Andreas Martens & Hansruedi Wildermuth
- 14:45** Questions and discussion
- 14:55** Plenary talk: “Development in the study of Mexican odonatology. From larval to adult stage”
Enrique González Soriano & Rodolfo Novelo Gutiérrez
- 15:40** ICO2015 awards
Closing and farewell words
- 19:30** ICO2015 farewell dinner

