

78th Congress of the
Unione Zoologica Italiana

118th Congress of the
Société Zoologique de
France

Program

Second Joint Meeting of Société Zoologique de France
and Unione Zoologica Italiana
Torino, 18-23 September 2017

The evolution of animal diversity: a comparative approach



Department of Life Sciences and Systems Biology - University of Torino



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Monday - 18 September 2017

PRE-CONGRESS WORKSHOP

BEHAVIORAL ANALYSIS WITH BORIS Chairs: O. Friard, M. Gamba

14.00 - 18.00 Workshop in Room 5 – Via Carlo Alberto 10

17.00 – 18.30 Welcome to Participants at registration desk in Via Accademia Albertina 13

Tuesday - 19 September 2017 - V. Accademia Albertina 13

08.30 Opening of ordinary UZI Assembly and polling place

09.00 Opening ceremony - Attendees: Gianmaria Ajani, Magnifico Rettore dell'Università di Torino e Presidente del Consiglio Esecutivo dell'Università Italo-Francese/Université Franco-Italienne (UIF/UFI); Ciprian Mihali, Direttore dell'area Europa dell'Ovest dell'Agence universitaire de la Francophonie (AUF); Jean Loup d'Hondt, Président de la Société zoologique de France; Elvira De Mattheis, Presidente Unione Zoologica Italiana.

P. Passerin D'Entreves, C. Palestroini – I legami storico-scientifici tra zoologi francesi e piemontesi

J.L d'Hondt - La Société zoologique de France et la Zoologie italienne

10.30 Opening Lecture:

T. Pievani – Plasticity and exaptation: the evolutionary role of functional shifts

11.15 Coffee -break

SYMPOSIUM 1

NEURAL PLASTICITY, COMPARATIVE DATA AND BEHAVIORAL OUTPUTS

Chairs: F. Levy, P. Peretto, M. Pestarino

Communications

11.45 P. M. Narins (invited speaker)

Adventures of an expeditionary biologist: neuroethology of ultrasonic communication in amphibians

12.15 M. Brus, R. Corona, M. Meurisse, M. Keller, F. Levy (invited speaker)

Neurogenesis in adult sheep: characterization and contribution to behavior

12.45 N. Mandairon, N. Kuczewski, F. Kermen, J. Forest, M. Midroit, M. Richard, J. Sacquet, C. Linster, A. Didier

Opposite regulation of inhibition by adult-born granule cells in response to implicit versus explicit olfactory learning

13.00 Lunch (MagazziniOZ- via Giolitti 19/A)

14.00 – 15.30 Round Table: C. Lo Iacono, S. Oliviero

International tools and networks for supporting the sustainable development of academic teaching and research

14.00 – 15.30 Poster Exhibition

15.30 Coffee -break

16.00 C. La Rosa, A. Pecora, I. Amrein, F. Levy, L. Bonfanti

Neurogenic versus non-neurogenic plasticity in mammals

- 16.15 G. Polese, V. Maselli, L.L. Moroz, A. Di Cosmo**
How problem solving affect adult neurogenesis in *Octopus vulgaris*
- 16.30 S. Ferrando, L. Gallus, A. Amaroli, M. Rottigni, D. Di Blasi, M. Vacchi**
The olfactory system of chondrichthyes: may anatomy predict function?
- 16.45 S. Candiani, E. Zieger, M. Schubert, M. Pestarino**
The retinoic acid signaling regulates neurotransmitter identity in the amphioxus *Branchiostoma lanceolatum*
- 17.00 A.M. Tata**
Acetylcholine in nervous system development: new roles for an ancient neurotransmitter
- 17.15 A. Messina, M.E. Castellini, A. Speccher, X. Zhang, S. Casarosa**
Role of extracellular matrix proteins in retinal degenerations
- 17.30 E. Cottone, I. D'Atri, G. Zuccarini, V. Pomatto, Y. Gothilf, G. Merlo, P. Bovolin**
Interference with the cannabinoid receptor CB1 induces miswiring of GNRH axons in zebrafish (*Danio rerio*) embryos
- 17.45 G. Grignaschi**
Research4life, la prima esperienza italiana di science advocacy

Wednesday - 20 September 2017 - V. Accademia Albertina 13

SYMPOSIUM 2

BIODIVERSITY CONSERVATION, EXTINCTION AND SUSTAINABLE DEVELOPMENT

Chairs: R. Ben Ahmed, S. Tripepi, M. Zapparoli

Communications

- 09.00 F. Santini (invited speaker)**
The macroevolution of biodiversity dynamics: what deep-time and phylogenetic comparative approaches have thought us about the generation and extinction of biological diversity
- 09.30 H. Bouaziz-Yahiatene, F. Medjdoub-Bensaad**
Diversité des helicidae dans la région du Djurdjura (Tizi-Ouzou, Algérie)
- 09.45 R. Voda, L. Dapporto, A. Cini, M. Menchetti, S. Bonelli, L.P. Casacci, V. Dinca, S. Scalercio, J.C. Hinojosa, H. Biermann, L. Forbicioni, U. Mazzantini, L. Venturi, F. Zanichelli, E. Balletto, T. Shreeve, R.L.H. Dennis, R. Vila**
Evolution and extinction patterns of the tuscan archipelago butterflies
- 10.00 F. Andreone, R. Pala, G. Tessa, S. Valenti, P. Nicolosi**
Les amphibiens et les reptiles éteints et en vue d'extinction dans les muséums italiens d'histoire naturelle
- 10.15 D. Biancolini, T. Blackburn, P. Visconti, C. Bellard, C. Rondinini**
Introduced mammals of the world: predicting their distribution under global change
- 10.30 C.L. Tan, R.M. Randrianarison, V. Torti, F. Rolle, C. Giacoma, M. Gamba, J. A. Phillips**
Stranger danger! Understanding fossa-lemur interactions
- 10.45 G. Forcina, D. Vallet D., P. Le Gouar, E. Revilla, R. Bernardo-Madrid, J.D. Rodriguez-Teijeiro, G. Molina-Vacas, G. Illera, N. Ménard, C. Vilà, M. Bermejo**
Mobility patterns and social structure unveiled by non-invasive genotyping in the western lowland gorilla (*Gorilla gorilla gorilla*)

11.00 Coffee -break

11.30 I. Norscia, E. Palagi

Italian zoo-parks and primate conservation: the case of lemur *Propithecus verreauxi* from the Berenty forest (South Madagascar)

11.45 C. Avesani Zaborra

Il ruolo di un moderno giardino zoologico nella conservazione della biodiversità

12.00 O. Lisi

La rivoluzione tassonomica dei tardigradi limno-terrestri: ricadute su biogeografia, biodiversità e conservazione

12.15 E. Brunelli, I. Bernabo', S. Tripepi

La contaminazione degli ambienti acquatici: biomarcatori di tossicità e loro ruolo predittivo negli anfibi

12.30 G.F. Ficetola, A. Melotto, M.E. Siesa, M. Muraro, F. Belluardo, F. Faraci, E. Lo Parrino, S. Pitton, R. Manenti

Multifaceted impacts of the invasive crayfish, *Procambarus clarkii*, on freshwater communities: from fitness decline to population extinctions

12.45 L. Vecchioni, A. Deidun, J. Sciberras, A. Sciberras, F. Marrone, M. Arculeo

mtDNA sequences reveals an overlooked diversity hotspot for the freshwater crab genus *Potamon* in North Africa (Decapoda, Brachyura, Potamidae)

13.00 Lunch (MagazziniOZ- via Giolitti 19/A)**14.30 – 16.00 Round Table: B.M. Lombardo, I. Perroteau.**

Didactic innovation in animal biology

14.30 – 16.00 Poster Exhibition**16.00 Coffee -break****16.30 F. Boero (invited speaker)**

Marine extinctions

17.00 M. Bo, M. Coppari, S. Bava, S. Canese, R. Cattaneo-Vietti, G. Bavestrello

Ligurian seamounts: known vulnerability of unknown ecosystems

17.15 M. Coppari, G. Bavestrello, P. Carpentieri, F. Enrichetti, C. Mancusi, F. Serena, M. Bo

Trawling impact in the Italian seas: biodiversity, trends and conservation of megabenthic communities

17.30 F. Tiralongo, G. Messina, B.M. Lombardo

The spread of *Ocypode cursor* (Linnaeus, 1758), (Decapoda Ocypodidae), in the central Mediterranean sea

17.45 A. Bastari, D. Pica, J. Beccacece, V. Gnetti, F. Ferretti, F. Micheli, D. Senni, C. Cerrano

Habitat suitability models and fishers perception as tools for supporting the conservation of vulnerable marine ecosystems (VMEs) in the central Adriatic sea

18.00 B. Cozzi, C. Centelleghhe, C. Casalone, S. Mazzariol, M. Podesta'

La rete nazionale spiaggiamenti cetacei. Attuali iniziative e quadro legislativo attualmente allo studio

18.15 V. Isaja

Il nuovo concetto di immersività esperienziale ed educazionale come potente strumento di sensibilizzazione alla biodiversità e alla conservazione nella società moderna: il caso Zoom Torino

SYMPORIUM 3

PEST, INVASIVE SPECIES AND DISEASE VECTORS

Chair: S. Bertolino, M. Gammoudi

Communications

08.30 P. Genovesi (Invited speaker)

Global patterns of biological invasions and progresses in the efforts to prevent and mitigate the related impacts

09.00 L. Scillitani, L. Volery, D. Jatavallabhula, S. Bacher, S. Bertolino

A global assessment of the environmental impact of alien ungulates using the environmental impact classification for alien taxa (EICAT)

09.15 E. Tricarico, C. Souty-Grosset, P. Anastacio, J. Reynolds

Invasive freshwater invertebrates and fishes: impacts on human health

09.30 A. Manino, S. Bertolino, L. Carisio, D. Laurino, S. Lioy, A. Romano, M. Porporato

Vespa velutina (Hymenoptera Vespidae): a global threat to biodiversity and food security

09.45 L. Iaiza, S. Filacorda

Human dimensions of an invasion: attitudes toward *Myocastor coypus* in Italy

10.00 P.G. Julianini, L. Zampa, L. Pallavicini, C. Manfrin, A. Caputi, A. Beorchia, R. Vidimari, C. Chiandetti

Managing of *Procambarus clarkii* by x-ray sterilisation of males: survival, immunological competence and behavior

10.15 L. Piemontese, M. Cesari, L. Maistrello, R. Bonini, P. Dioli, M. Dutto, S. Volani, S. Pasquali, G. Gilioni, L. Rebecchi, R. Guidetti

The invasion history of the brown marmorated stinkbug *Halyomorpha halys* (Heteroptera, Pentatomidae) in the invaded territories of Italy

10.30 L. Maistrello, E. Costi, G. Vaccari, C. Castracani, D. Grasso, J. Polajnar, V. Mazzoni

«Diabolic» field invasions: biology, monitoring, biocontrol and innovative management approaches of *Halyomorpha halys*

10.45 F. Medjdoub-Bensaad, M. A. Khelil, J. Huignard

Brucus rufimanus un ravageur potentiel de la fève *Vicia faba* dans la région de Kabylie (Algérie).

11.00 Coffee –break

11.30 M. Ballardini, A. Pautasso, S. Ferretti, G. Chiaranz, M.V. Riina, G. Triglia, F. Verna, V. Bellavia, M.C. Radaelli, G. Porcheddu, A. Accorsi, U. Cardellino, I. Cremonesi, M. Serra, M. De Camilli, M. Merello, A. Ferrari, P.L. Acutis, C. Casalone, W. Mignone

Invasive mosquito species and risks for human health: *Aedes albopictus* and *Aedes koreicus* (Diptera: Culicidae) in north-western Italy

11.45 U. Palatini, E. Pischedda, M. Bonizzoni

Nonretroviral integrated RNA viruses in the genome of mosquito vectors: a new form of immunity

12.00 Presentazione poster Premi UZI "giovani ricercatori"

13.30 Lunch (MagazziniOZ- via Giolitti 19/A)

14.30 – 16.00 Round Table: R. Boano, B. Demarchi

From scientific research to audience engagement: new perspectives for zoological samples in museums and university collections

14.30 – 16.00 Poster Exhibition

16.00 Coffee –break

16.30 UZI assembly

20.30 Social dinner (Società Canottieri Armida – Viale Virgilio 45)

SYMPOSIUM 4

BIOLOGY OF REPRODUCTION AND REPRODUCTIVE STRATEGIES

Chairs: S. Hammouche - A. Pilastro – S. Piraino

Communications

09.00 G. Rosenthal (invited speaker)

Mate-choice mechanisms and the evolutionary process

09.30 X. Turon (invited speaker)

Re-examining what we think we know about reproductive strategies of benthic invertebrates: lessons learnt from genetics

10.00 M.A. Biscotti, A. Canapa, M. Barucca, A. Pallavicini, M. Gerdol, E. Olmo, M. Schartl

A comparative view on sexual development genes in lungfish and coelacanths

10.15 P. Bonivento, L. Tufano, M. Bellavista

Development of a lateral flow kit for early sex determination in *Testudo marginata*, Schöpff, 1792

10.30 R. Ben Ahmed, S. Tekaya

Ovary cord structure and oogenesis in the amphibia leech *Batracobdella algira* (Anellida, Clitellata, Hirudinea) from Tunisia

10.45 J.L. d'Hondt

Strategies de reproduction chez les bryozoaires: diversites morpho-anatomique et systematique, signification evolutive

11.00 Coffee -break

11.30 L. Favaro, M. Gamba, D. Pessani

Mating calls of banded penguins encode honest cues to the body size in the vocal parameters linked to anatomical constraints

11.45 T. Lucon-Xiccato, A. Bisazza, A. Pilastro

Individual differences in exploratory behaviour predict novel male preference in female guppies (*Poecilia reticulata*, Peters, 1859)

12.00 C. Morosinotto, R.L. Thomson, E. Korpimäki, R. Mateo, S. Ruuskanen

Maternal food supplementation and predation risk affect egg composition but not offspring condition in *Ficedula hypoleuca*

12.15 Congress closing

12.30 Lunch (MagazziniOZ- via Giolitti 19/A)

16.15 Visit to «Biblioteca Reale» - Piazza Castello 191

<http://mostre.bibliotecareale.beniculturali.it/it/mostre/le-meraviglie-del-mondo-le-collezioni-di-carlo-emanuele-i-di-savoia>

Saturday - 23 September 2017

University of Gastronomic Sciences (UNISG) - Pollenzo

POST-CONGRESS WORKSHOP - SYMPOSIUM 5

ANIMALS AS SOURCE OF FOOD

Chairs: S. Bonelli, S. Greco, R. Valvassori

08.30 Departure – Bus from Piazza Carlo Emanuele II- Turin

10.00 – 10.30 Arrival in Pollenzo – On site registration and welcome coffee

10.30 Opening by the UNISG President Prof. P. Grimaldi
Il tartufo: una storia notturna

10.45 S. Greco
Il cibo improbabile che viene dal mare: nuove specie per nuovi paradigmi

11.15 A. Leone, S. Piraino, F. Boero
From problem to solution: european jellyfish on western menus?

11.35 G. Volpato
Edible insects, the hidden crop of african agroecological systems

11.55 F. Lotta
Insetti edibili come nuovo alimento: scenari legislativi vecchi e nuovi

12.15 A. Mascaretti, R. Scramaglia
Gli insetti commestibili & gli italiani

12.35 S. Bertolino, A. Martinoli
Use as food of animals in the past has caused species extinctions: now gastronomy can be a biodiversity conservation tool?

12.55 S. Bonelli, S. Greco, R. Valvassori, F. Zanichelli
Concluding remarks

13.15 Lunch

14.00 – 14.30 Poster Exhibition

14.30 – 15.30 Visit to the Wine Bank in the complex of the Gothic Albertine center

16.00 Bus to Turin

18.00 Arrival in Turin – Piazza Carlo Emanuele II

MEETING LOCATION

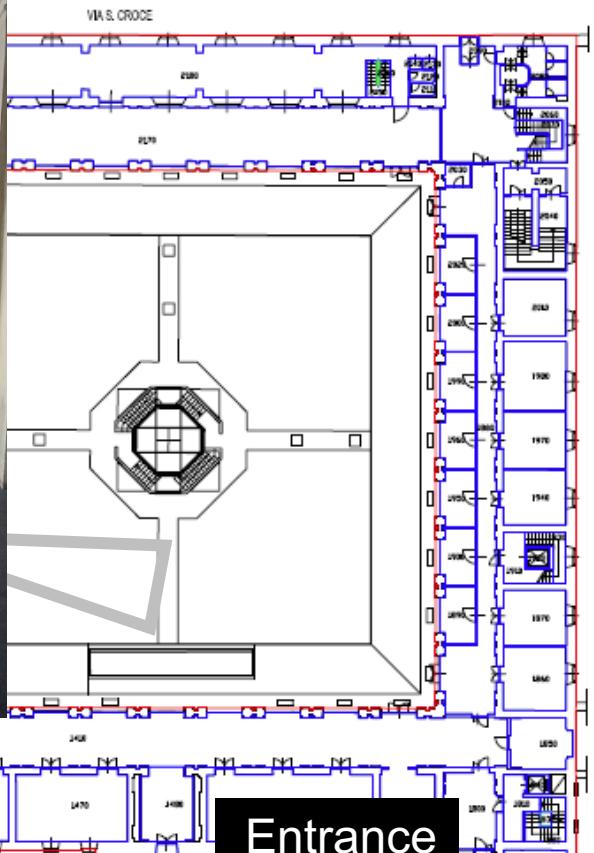
Department of Life Sciences and Systems Biology -

University of Torino

Via Accademia Albertina 13 – 10123 Torino



Via Accademia Albertina 13



Entrance



Hall ‘Aula Magna’



Hall ‘De Filippi’

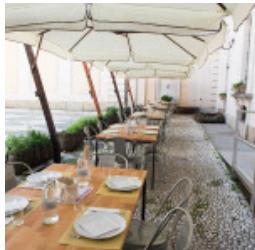
LUNCH LOCATION

Via Giolitti 19/A – 10123 Torino



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MagazziniOz serve to create a new way of doing something «useful» and making it useful for everyone.

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Alternative location **Pizzeria La Monachella** Via Santa Croce, 2 - <http://www.lamonachella.com/>

DINNER LOCATION

Viale Virgilio 45 – 10126 Torino



The Armida Canottieri Company is among the first Italian canoeing companies founded in Turin in 1869. The Armida Canottieri Company has over 140 years of boating history and has always promoted the importance of sport for everyone. The Armida Canottieri Club is a place of great tradition, born in the nineteenth century and placed in one of the most suggestive places in Turin: the Valentino Park, on the banks of the River Po. The historic Canottieri Esperia building houses the homonymous restaurant.

18-23 September 2017

DEPARTMENT OF LIFE SCIENCES AND SYSTEMS BIOLOGY - Via Accademia Albertina 13 - Torino

UNIVERSITY OF GASTRONOMIC
SCIENCES - Pollenzo (CN)

	Monday 18th	Tuesday 19th Aula magna	Wednesday 20th Aula magna	Thursday 21st Aula magna	Friday 22nd Aula magna	Saturday 23rd Aula magna
08.30-09.00	Opening of ordinary UZI Assembly and polling place					Departure from Turin
9.00-10.00	Opening ceremony	Symposium Biodiversity conservation, extinction and sustainable development	Pest, invasive species and disease vectors	Symposium Biology of reproduction and reproductive strategies		Arrival in Pollenzo
10.00-11.00	Opening lecture	Coffee-break	Coffee-break	Coffee-break		
10.30-11.00						
11.00-11.30						
11.30 -12.00	Coffee-break	Symposium Biodiversity conservation, extinction and sustainable development	Pest, invasive species and disease vectors	Symposium Biology of reproduction and reproductive strategies		
12.00-13.00	Symposium Neural plasticity, comparative data and behavioural outputs			Poster "Premi UZI" Presentation		
13.00-13.30	Lunch		Lunch		Lunch	
13.30-14.00						
14.00-14.30						
14.30-15.00	Round table International tools and networks for supporting the sustainable development of academic teaching and research	Poster exhibition	Round table From scientific research to audience engagement: new perspectives for zoological samples in museums and university collections	Round table Didactic innovation in animal biology	Poster exhibition	Visit to the Wine Bank in the complex of the Gothic Albertine center
15.00-15.30	Behavioural analysis with BORIS Palazzo Campana Aula 5 Via Carlo Alberto 10 Torino					
15.30-16.00		Coffee-break				
16.00-16.30			Coffee-break			
16.30-17.00						
17.00-18.00	Registration Congress Via Accademia Albertina 13 Torino	Symposium Neural plasticity, comparative data and behavioural outputs	Symposium Biodiversity conservation, extinction and sustainable development	UZI assembly	Visit to «Biblioteca Reale» Piazza Castello 191	Arrival in Turin
18.00-19.00						
					Social dinner	
					presso Società Canottieri Armida Viale Virgilio 45 - Torino	
						presso Società Canottieri Armida Viale Virgilio 45 - Torino

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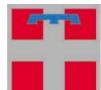


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Dipartimento
Scienze della Vita e Biologia dei Sistemi



MUSEO REGIONALE
DI SCIENZE NATURALI



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