UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO

SOIPA
Società Italiana di Parassitologia

European Veterinary Parasitology College
EVPC

XXIX CONGRESS

SoIPa

Società Italiana di Parassitologia

&

European Veterinary Parasitology College

Parasites, Poverty and Social commitment



Bari, June 21-24, 2016

Università degli Studi di Bari & Palace Hotel

FOODFOR GOOD
from meetings to solidarity

SOCIAL COMMITMENT OF THE MEETING INDUSTRY

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Under the Aegis of

UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO

COMUNE DI BARI
ASSESSORATO AL WELFARE

DIPARTIMENTO DI MEDICINA VETERINARIA

Dear All,
We are delighted to present the 29th edition of the SoIPa and EVPC joint Congress that will be held in Bari from the 21st to the 24th of June 2016.

The theme of this congress is "Parasites, poverty and social commitment" and the program has been shaped (with key lectures delivered by top scientists from a range of European countries and from overseas) on the most important parasitoses of medical and veterinary interest and their impact in areas characterised by poor socioeconomic conditions, where the lack of economic resources, conflicts and political upheaval often prevent enhancement of sanitary standards. We strongly believe that with our scientific and social commitment parasitologists may play a key role in combating animal and human diseases.

Our congress is also under the auspices of the "Food for Good" initiative, created with the aim of reducing food waste following public events via donations to charities. In addition, the organizers opted for a meat free (though cheese and fish will be served) menu for lunches and dinners (with the exception of the ParasEATaly).

For sure, all plenary lectures will be presented in English and all oral presentations (regular or short) will have slides in English. Given the large number of foreign attendees, many speakers kindly agreed to deliver their talks in English. The oral presentations in English will be identified in the program with the letter "E" to allow non-Italian speakers to attend scientific talks in the parallel sessions.

Finally, besides the cultural part, we have also organized exciting social events for congress participants and their accompanying persons in order to welcome all of you to Bari in the best way and to offer scientific networking opportunities in a pleasant environment. At the gala dinner we will have the pleasure of listening to the award-winning and signature-sound Italian vocal band "Neri per Caso". This will be really a unique event for all of us!

Thank you to all of the sponsors who agreed to support our congress.
I look forward to a great 29th SoIPa and EVPC Congress in Bari and to welcome all of you in our beautiful town.

This comes with my best regards,

Domenico Otranto
President of the Organizing Committee

SCIENTIFIC PROGRAMME



TUESDAY 21ST JUNE

15.00-17.00 Registration *(Palace Hotel, Via F. Lombardi, 13, Bari)*

16.50-19.30 Opening ceremony - Aula Magna "A. Cossu" *(Palazzo Ateneo)*

Welcome and introductory addresses
Domenico Otranto

Greetings from the Authorities

Chair: **Gioia Capelli**



Parasites: Theory and practice
Luciano Canfora (Università degli Studi di Bari, Italy)



Parasites and poverty
Maria Elena Bottazzi (National School of Tropical Medicine, Baylor College of Medicine; Sabin Vaccine Institute and Texas Children's Hospital Center for Vaccine Development, Houston, TX, USA)

Discussion

19.30-20.30 Welcome Cocktail

20.30-22.00 Performance by the Symphony Orchestra of Bari

E Oral/Short Presentation in English OP (oral presentation) is 11 min. for oral communication + 3 min. for discussion + 1 min. for changeover
SP (short presentation) is 7 min. for oral communication + 2 min. for discussion + 1 min. for changeover

WEDNESDAY 22ND JUNE
(Palace Hotel)

08.30-10.30 RESEARCH HIGHLIGHTS 1 (room Feste)
Human and veterinary parasitology and social commitments
In this event, speakers will cover topics related to public health in developing and industrialized countries, with considerations on how health priorities differ depending on the region. Parasitic zoonoses that are considered 'neglected' by physicians, veterinarians, the pharmaceutical industry and NGOs will also be discussed.

Chairs: **Salvatore Giannetto** - **Edoardo Pozio**



Tropical parasitic diseases in the 21st century
Marco Albonico (Università degli Studi di Torino, Italy)



Zoonotic parasitic diseases in Europe
Peter Deplazes (University of Zurich, Switzerland)



New molecules for parasites of animals and humans
Ivan Scandale (Drugs for Neglected Diseases Initiative, Geneva, Switzerland)

10.30-11.00 Coffee break and Poster session

11.00-13.00 Parallel sessions

Arthropod-Borne Parasitoses (room Feste)
Chairs: **Andrei Mihalca** - **David Modrý** - **Marco Pombi**

11.00-11.15 OP E
Paratransgenesis to control mosquito borne diseases: from bench to field
Maria Vittoria Mancini

11.15-11.30 OP E
Immunological effects induced by *Asaia* symbionts engineered to express *Wolbachia* proteins
Sara Epis

11.30-11.45 OP E
Vector-borne pathogens in wild carnivores from Romania
Andrei Mihalca

11.45-12.00 OP E
An epidemiological and ecological investigation of phlebotomine sandfly: abundance and *Leishmania* risk mapping in southeast Spain
Eduardo Berriatua

12.00-12.15 OP E
Exposure to vector borne pathogens in owned and free-roaming asymptomatic dogs of north-eastern Italy
Gioia Capelli

12.15-12.25 SP E
First detection of *Cytauxzoon* spp. infection in European wildcats *(Felis silvestris silvestris)* of Italy
Fabrizia Veronesi

12.25-12.35 SP E
Transmission blocking effects of *Azadirachta indica* seed kernel fractions and isolated molecules on *Plasmodium berghei* early sporogonic development *in vitro*
Sofia Tapanelli

12.35-12.45 SP E
Molecular monitoring on vector-borne pathogens in cattle and dromedaries at Nouakchott abattoir, Mauritania
Ilaria Pascucci

Diagnosis of Parasitic Diseases **(room Abbrescia)**

Chairs: **David Di Cave** - **Fabrizia Veronesi**

11.00-11.15 OP E
Immune status and risk for nosocomial infection with *Trypanosoma cruzi*, *Leishmania infantum* and *Toxoplasma gondii*
Simona Gabrielli

11.15-11.30 OP
Innovative tools for the diagnosis of *Echinococcus granulosus* in definitive hosts
Maria Paola Maurelli

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11.30-11.45 OP E
Waterborne pathogens contamination in dental unit waterline of hospitals and dental clinics
David Di Cave

11.45-11.55 SP
Morphological and molecular identification of *Dirofilaria repens* microfilariae in an Italian patient
Giovanni Luigi Milardi

11.55-12.05 SP E
Inferring *Trichinella* species causing infection by western blotting
Maria Angeles Gomez-Morales

12.05-12.15 SP E
A single step-PCR assay for the detection and differentiation of *Babesia canis* and *Babesia vogeli*
Giada Annoscia

12.15-12.25 SP
Heat treatment of serum samples from stray dogs naturally exposed to *Dirofilaria immitis* and *Dirofilaria repens* in Romania
Marco Genchi

12.25-12.40 OP
Mini-Flotac, an accurate method for the diagnosis of nematode infections in horses and sheep
Antonio Bosco

12.40-12.50 SP E
First report of human case of pseudoterranovosis in Italy
Serena Cavallero

12.50-13.00 SP E
Recurrent cryptosporidiosis in a CD40 ligand deficient child affected by sclerosing cholangitis
Lorenza Putignani

Parasites in Aquatic Fauna (room Japigia)
Chairs: **Letizia Fioravanti** - **Simonetta Mattiucci**

11.00-11.15 OP E
South African fur seal *(Arctocephalus pusillus pusillus)*: a new host for *Dirofilaria immitis*
Margarida Ana Alho

11.15-11.30 OP E
Brevimulticaecum sp. (Nematoda) larvae in liver of fish *Gymnotus inaequilabiatus* from Pantanal region Brazil: liver pathobiology and inflammatory response
Bahram Sayyaf Dezfuli

11.30-11.45 OP
Genetic identification and parasitic infection levels of *Anisakis* spp. larvae in commercially important fish species of the Mediterranean sea: a large epidemiological survey
Paolo Cipriani

11.45-12.00 OP
The effect of temperature on the migration capacity and release of excretory/secretory products by *Anisakis pegreffii* larvae cultured *in vitro* (Nematoda: Anisakidae): a molecular approach
Alessandra Colantoni

12.00-12.15 OP
Spreading of the swimbladder parasite *Cystidicola farionis* (Nematoda: Cystidicolidae) in wild and farmed salmonids in Italy
Andrea Gustinelli

12.15-12.30 OP E
First report of genus *Neospirorchis* in sea turtles from the Mediterranean Sea
Erica Marchiori

12.30-12.40 SP
Crassicaudosis in fin whales *(Balaenoptera physalus)* stranded along Italian coasts
Federica Marcer

12.40-12.50 SP E
Anisakis and *Hysterothylacium* larvae in anchovies *(Engraulis encrasicolus)* and chub mackerel *(Scomber japonicus)* in the Mediterranean sea: molecular identification and risk factors
Alessia Libera Gazzonis

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12.50-13.00 SP
New and natural parasites of *Fistularia commersonii* reveal traits of the biology and dynamic of this alien fish in the Mediterranean sea
Paolo Merella

13.00-13.10 SP
Molecular data confirm that *Heterophyes heterophyes* (Siebold, 1852) and *Heterophyes nocens* Onji & Nishio, 1916 (Trematoda: Heterophyidae) are two distinct but closely related species
Paolo Merella

13.00-14.00 Lunch

14.00-16.00 Parallel sessions

14.00-14.20 E
VIRBAC *sponsored Lecture* **(room Feste)**
Chair: **Michel Franc**

Fighting against vector-borne diseases, why a rapid onset of action matters?
Karine De Mari

Endo and Ectoparasites in Pets **(room Feste)**
Chairs: **Antonio Frangipane di Regalbono** - **Ezio Ferroglio**

14.20-14.30 SP E
The toxic effects of essential oils on mites
Margherita Mainiero

14.30-14.40 SP E
Development of *Crenosoma vulpis* in the common garden snail *Cornu aspersum*: implications for epidemiological studies
Maria Alfonsa Cavalera

14.40-14.50 SP E
Contamination by canine geo-helminths in the city of Padova
Antonio Frangipane di Regalbono

14.50-15.00 SP E
Outcome of canine strongyloidiasis in five dogs
Paola Paradies

15.00-15.10 SP E
Novel modes of transmission of feline lungworms
Vito Colella

Medical and Veterinary Entomology (room Feste)

Chairs: **Filipe Dantas-Torres** - **Alessandra Della Torre**

15.10-15.25 OP
Bed bug detection dogs: diagnostic accuracy to detect *Cimex lectularius L.* (Hemiptera: Cimicidae) during olfactory inspections of hotels in Italy
Paolo Masini

15.25-15.40 OP E
Attraction of the invasive mosquito *Aedes koreicus* (Diptera: Culicidae) to humans
Fabrizio Montarsi

15.40-15.55 OP E
Unexpectedly high zoophily associated to high *Plasmodium* sporozoite rates in *Anopheles coluzzii* from a LLIN-protected village in Burkina Faso
Marco Pombi

Epidemiology of Parasitic Diseases 1 (room Abbrescia)

Chairs: **Fabrizio Bruschi** - **Giovanni Poglayen**

14.00-14.15 OP E
HERACLES collaborative project on cystic echinococcosis funded by the European Commission and preliminary results from extended ultrasound surveys in eastern Europe
Adriano Casulli

14.15-14.30 OP E
The European register of cystic echinococcosis, ERCE
Patrizia Rossi

14.30-14.40 SP E
Trichinella spiralis, a new alien parasite in Italy, and the increased risk of infection for domestic and wild swine
Edoardo Pozio

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14.40-14.50 SP E
Hunted wild boar *(Sus scrofa)* main source of trichinellosis in Italy in the last 15 years
Edoardo Pozio

14.50-15.05 OP E
Factors associated with *Toxoplasma gondii* infection in confined farrow-to-finish pig herds in western France: an explanatory study in 60 herds
Pascal Boireau

15.05-15.20 OP E
Disease burden and clinical implications of Chagas disease in Texas, USA: a cross-sectional analysis of *Trypanosoma cruzi* seroprevalence among vectors, mammalian reservoirs, and human residents
Maria Elena Bottazzi

15.20-15.35 OP
Surveillance of malaria imported cases in Italy, 2011-2014
Daniela Boccolini

15.35-15.50 OP
Occurrence and molecular identification of free-living amoebae in Italian thermal waters
Margherita Montalbano Di Filippo

Food and Parasites (room Japigia)
Chairs: **Simone Cacciò** - **Annunziata Giangaspero** - **Giuseppina Tantillo**

14.00-14.15 OP E
Anisakis spp. in ready-to-eat fish products
Lisa Guardone

14.15-14.30 OP
Larvae of *Anisakis* spp. in fishery product from Apulia Region
Laura Azzarito

14.30-14.45 OP E
A validation plan for a commercial kit aimed to the detection of pathogenic anisakids in fish products
Stefano D'Amelio

14.45-14.55 IgE from sera of Italian subjects presumably sensitized by *Anisakis pegreffii* react with proteins from *A. simplex*, *Contracoecum osculatum* and *Pseudoterranova* sp.
Maria Angeles Gomez-Morales

14.55-15.10 Detection of protozoan parasites in ready-to-eat packaged salads
Tiziana Caradonna

15.10-15.20 Zoonotic protozoans from farmed and marketed *Mytilus* spp. in Sardinia (Italy)
Marianna Marangi

15.20-15.35 Efficiency of the Q3 LAB-ON-CHIP platform in detecting protozoan pathogens in bivalve mollusks
Annunziata Giangaspero

15.35-15.45 Risk assessment of *Toxoplasma gondii* infection through the consumption of "Prosciutto di Parma" DOP: preliminary data
Marco Genchi

15.45-16.00 Genetic characterization of *Toxoplasma gondii* from industrial pigs bred in the "Food Valley" (Italy)
Marianna Marangi

16.00-16.30 Coffee break and Poster session

16.30-18.00 Parallel sessions

Therapy and Drug Resistance 1 (room Feste)
Chairs: **Emanuele Brianti** - **Peter Deplazes**

16.30-16.45 Efficacy of sarolaner against infestations with *Demodex*, *Otodectes* and *Sarcoptes* mites on dogs
Thomas Geurden

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16.45-17.00 OP E Proteomic and functional analysis reveal multiple targets of the anti-tumoral compound NBDHEX in the protozoan parasite *Giardia duodenalis*
Marco Lalle

17.00-17.15 OP E Re-orientation of the helminth control in adult horses in Switzerland
Hubertus Hertzberg

17.15-17.30 OP E Malaria pharmacogenetics in Botswana: interethnic differences and public health
Giacomo M. Paganotti

17.30-17.45 OP E Characterization of fungal symbiosis in *Phlebotomus perniciosus* and evaluation of its possible implications for the control of leishmaniases
Sara Epis

Molecular Biology and Phylogeny in Parasitology 1 (room Abbrescia)
Chairs: **Cinzia Cantacessi** - **Anja Joachim**

16.30-16.45 OP E The phylogeny of Onchocercidae (Filarial Nematode): a focus on the genus *Onchocerca*
Coralie Martin

16.45-17.00 OP E Assessment of paramyosin as a diagnostic marker for the detection of *Onchocerca lupi*, a neglected zoonotic nematode
Bronwyn Campbell

17.00-17.15 OP E The *Anisakis* transcriptome – identification of novel putative allergens using RNA-SEQ and bioinformatics technologies
Cinzia Cantacessi

17.15-17.30 OP E Comparative genomics of *Cryptosporidium parvum* isolates by next generation sequencing
Simone M. Cacciò

17.30-17.45 Molecular detection of haemotropic mycoplasmas in dogs and cats of northern Italy
OP E
Silvia Ravagnan

17.45-18.00 Molecular delineation of *Ixodes ventalloi* from cats of southern Italy
OP E
Maria Stefania Latrofa

16.30-17.20 SoIPa for Human Development (room Japigia)
Capacity strengthening of young malariologists in Burkina Faso
Chairs: **Annette Habluetzel – David Modiano**

16.30-16.40 Introduction by the moderators

16.40-16.50 The role of human genetic variation in malaria susceptibility and transmission
E
Samuel S. Sermé

16.50-17.00 Natural immune responses to *Plasmodium falciparum*: a whole proteome microarray approach
E
Oumarou Ouédraogo

17.00-17.10 Control of *Plasmodium falciparum* transmission: role of gametocytes biology
E
Henry Bere Noëlie

17.10-17.20 Identification of compounds from medicinal plants with antimalarial, transmission blocking properties
E
Harouna Soré

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Immunology and Vaccines (room Japigia)
Chairs: **Luigi Gradoni** - **Coralie Martin**

17.20-17.35 DnaseII allow *Trichinella* worm to escape NETosis induced by mice macrophage
OP E
Pascal Boireau

17.35-17.45 Matrix metalloproteinase (MMP-)9 and chemokine profile in human trichinellosis
SP
Fabrizio Bruschi

17.45-18.00 Immune responses to helminth parasite antigens in malaria endemic populations
OP E
Valentina Mangano

18.00-19.30 SoIPa members' General Assembly & SoIPa Award for Young Researchers

20.30-22.00 *Paras***EAT***aly*

THURSDAY 23RD JUNE
(Palace Hotel)

08.30-10.30 RESEARCH HIGHLIGHTS 2 (room Feste)
The human condition and parasites: causes or remedies?
Parasites can cause serious illnesses in people with underlying clinical conditions and can adversely affect the quality of life. In contrast, the immune-suppressive properties of some parasites can be exploited as a therapy for the management of chronic inflammatory autoimmune or allergic diseases.

Chairs: **Maria Elena Bottazzi** - **Fabrizio Bruschi**



Allergy parasites and the hygiene hypothesis
Rick Maizels (University of Edinburgh, Scotland)



Schizophrenia and Toxoplasma
Joanne P. Webster (Royal Veterinary College, London, UK)



Hookworms, gut microbiota and coeliac disease
Cinzia Cantacessi (Cambridge University, UK)

10.30-11.00 Coffee break and Poster session

11.00-13.30 Parallel sessions

Monitoring and Control of Vectors (room Feste)
Chairs: **Aneta Kostadinova** - **Fabrizio Montarsi** - **Elias Papadopoulos**

11.00-11.15 OP E Transcriptomic approach to analyse temporal patterns of insecticide response in *Anopheles stephensi*
Davide Sassera

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11.15-11.30 OP
Ecoclimatic drivers of spatio-temporal hot spots of *Aedes albopictus* abundance in South European urban areas
Beniamino Caputo

11.30-11.45 OP E
An integrated control program against *Aedes albopictus* in northern Italy: a case study
Frederic A. Baldacchino

11.45-11.55 SP E
Introduction of the Asian bush mosquito *Aedes japonicus japonicus* (Diptera: Culicidae) in Italy
Fabrizio Montarsi

11.55-12.10 OP E
Therapeutic and residual acaricidal efficacy of STRECTIS®, a Fipronil (17 % W/V) (S)-Methoprene (8.5%) topical administration, against tick *(Rhipicephalus turanicus)* infesting cats
Guido Ferrari

12.10-12.25 OP E
Comparative assessment of the rapid actions against fleas of a topical Dinotefuran-Pyriproxyfen-Permethrin (VECTRA® 3D) and an oral Spinosad (COMFORTIS®) ectoparasiticide despite shampoo and mousse (DOUXO®) applications on dogs over 1 month
Alessia Crippa

12.25-12.40 OP E
Assessment of the rapid actions against fleas of a topical Dinotefuran-Pyriproxyfen-Permethrin ectoparasiticide (VECTRA® 3D) despite shampoo and mousse (DOUXO®) applications on dogs over 1 week
Alessia Crippa

12.40-12.55 OP E
Seasonal activity of *Dermacentor reticulatus* in a peri-urban park in north-eastern Italy
Emanuela Olivieri

12.55-13.10 OP E
Field evaluation of a new light trap for sand fly sampling
Gabriella Gaglio

13.10-13.20 (SP) Estimating mosquito/host contact from ovitrap data: a case study for *Aedes albopictus* in Rome
Beniamino Caputo

13.20-13.30 (SP) (E) A preliminary assessment of the insecticide resistance status of *Aedes albopictus* and *Culex pipiens* populations from Rome
Verena Pichler

Parasites in Wildlife (room Abbrescia)
Chairs: **Paola Beraldo** - **Pablo Díez Baños** - **Luca Rossi**

11.00-11.20 (OP) (E) 1995-2015: 20 years of parasites in Italian wildlife. Creation of a website and data analysis
Giovanni Poglayen

11.20-11.35 (OP) *Toxoplasma gondii* in birds: are magpies important?
Alice Vismarra

11.35-11.50 (OP) (E) Red Fox *(Vulpes vulpes)* as a potential reservoir host of cardiorespiratory parasites in Bosnia and Herzegovina
Adnan Hodzic

11.50-12.05 (OP) (E) Prevalence of lungworms in foxes in Switzerland, and evaluation of serological methods for the detection of *Angiostrongylus vasorum*
Manuela Schnyder

12.05-12.15 (SP) (E) Survey on parasitic infections in wildcat *(Felis silvestris silvestris* Schreber, 1777) by scat collection
Ettore Napoli

12.15-12.30 (OP) (E) Treatment of *Sarcoptes* mange in llamas and alpacas with moxidectin
Wieland Beck

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(SP) (short presentation) is 7 min. for oral communication + 2 min. for discussion + 1 min. for changeover

12.30-12.45 Effect of seasonality on parasite intensities in alpine ruminants
OP E
Nicola Ferrari

12.45-12.55 Cysticercosis in *Lepus europaeus* hunted in plain areas of Bologna province (Emilia Romagna Region, Italy)
SP
Laura Stancampiano

12.55-13.30 **PRIN 2012 RESULTS "Genomics and host-pathogen interactions in chamois"**
Introduction by the PRIN coordinator
Stefano D'Amelio

E Intestinal Parasites in *Rupicapra* spp. populations: study in the framework of the relevant Italian project (PRIN)
Annunziata Giangaspero

Eimeria spp. in Italian chamois: morphological, statistical and molecular analysis
Federica Berrilli

E Multiplex PCR assay for the identification of *Haemonchus contortus* and *Teladorsagia circumcincta* in Alpine chamois *(Rupicapra r. rupicapra)*
Nicoletta Formenti

Epidemiology of Parasitic Diseases 2 (room Japigia)
Chairs: **Rudi Cassini** - **María A. Meana** - **Vincenzo Veneziano**

11.00-11.15 The societal cost of *Taenia solium* cysticercosis in Tanzania
OP E
Chiara Trevisan

11.15-11.30 Integrated control of *Taenia solium*: effect on taeniosis and porcine cysticercosis in rural communities of Tanzania
OP E
Uffe Christian Braae

11.30-11.40 Epidemiological role of farm dogs in *Echinococcus granulosus* life cycle in northern Italy: preliminary results
Rudi Cassini
SP E

11.40-11.55 Bovine besnoitiosis: first outbreak in beef cattle in Sardinia Island
Antonio Scala
OP

11.55-12.10 Feline lungworms in Europe: results of a multicentre survey
Alessio Giannelli
OP E

12.10-12.25 Survey of gastrointestinal and lung parasites in shelter cats from northwestern Portugal
Ana Margarida Alho
OP E

12.25-12.40 Helmintic infections in Italian donkeys: a nationwide survey
Vincenzo Veneziano
OP E

12.40-12.55 A longitudinal study on endoparasites in grazing equids in an alpine environment (northern Italy)
Sergio Zanzani
OP

12.55-13.10 Broad screening on pathogens and pesticides of honey bee colonies *(Apis mellifera)* in Ghana (West Africa)
Miguel Llorens-Picher
OP E

13.10-13.20 Cross-sectional survey on *Tritrichomonas foetus* infection in Italian cats
Alessia Libera Gazzonis
SP E

13.20-13.30 Molecular detection of *Giardia duodenalis* and *Cryptosporidium* spp. in canine faecal samples collected in public areas of the city of Padova
Giulia Simonato
SP

13.30-14.30 Lunch

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14.30-16.00 RESEARCH HIGHLIGHTS 3 (room Feste)

The treatment of parasitoses of pets: science, economy and future perspectives

Companion animals play important roles in contemporary society, as family members in a large proportion of households in developed countries. Control of parasites in dogs and cats is essential for public health, however, the approaches used for the prevention and therapy of these diseases of animals have changed substantially over the last decades.

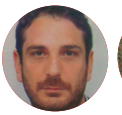
Chairs: **Giuseppe Cringoli** - **Francesca Mancianti**



Prophylaxis, vaccines or treatments for canine and feline vector borne diseases?
Guadalupe Corrales Mirò (University of Madrid, Spain)



How therapeutic protocols have changed in veterinary parasitology over the past 20 years
Claudio Genchi (Università degli Studi di Milano, Italy)





New parasites and new challenges for their treatment
Emanuele Brianti (Università degli Studi di Messina, Italy) and **Antonio Varcasia** (Università degli Studi di Sassari, Italy)

14.30-16.00 Parallel session

Molecular Biology and Phylogeny in Parasitology 2 (room Abbrescia)

Chairs: **Claudio Bandi** - **Stefano D'Amelio** - **Guido Favia**

14.30-14.45 OP E
Gene expression profiling of chemosensory appendages in the tiger mosquito *Aedes albopictus*
Fabrizio Lombardo

14.45-15.00 OP
Rapid identification of invasive mosquito species using MALDI-TOF MS
Graziana Da Rold

15.00-15.15 OP
Molecular quantification of male and female *Plasmodium falciparum* gametocytes in human populations
Pamela Avellino

15.15-15.30 The subtilisin-like protease SUB1 has a role in *Plasmodium berghei* male gamete egress from the host cell
Anna Olivieri

15.30-15.40 Genetic heterogeneity and phylogeny of *Trichuris* spp. from non-human primates based on mitochondrial DNA
Serena Cavallero

15.40-15.50 Phylogenetic analysis of *Culicoides* species vectors of Bluetongue in Sicily
Valeria Blanda

15.50-16.00 Complete genome sequencing and phylogenetic analysis of West Nile Virus strains from *Culex pipiens*, north-eastern Italy, 2010-2015
Elena Porcellato

16.00-16.30 Coffee break and Poster session

16.30-17.00 **ZOETIS *sponsored Lecture*** **(room Feste)**
Chair: **Luis Cardoso**

Simparica™ - a novel oral isoxazoline ecto-parasiticide
Thomas Geurden

17.00-18.30 Parallel sessions

Parasitoses of Livestock **(room Feste)**
Chairs: **Giovanni Garippa** - **Laura Rinaldi**

17.00-17.15 Experimental *Toxoplasma gondii* infections in pigs and vertical transmission
Walter Basso

E Oral/Short Presentation in English OP (oral presentation) is 11 min. for oral communication + 3 min. for discussion + 1 min. for changeover
SP (short presentation) is 7 min. for oral communication + 2 min. for discussion + 1 min. for changeover

17.15-17.30 OP E
Differential susceptibility of bovine caruncular and trophoblast cell lines to high/low virulence isolates of *Neospora caninum*
Luis Miguel Ortega-Mora

17.30-17.45 OP E
Severe seizures in pigs naturally infected with *Taenia solium* in Tanzania
Chiara Trevisan

17.45-18.00 OP
New findings on dicrocoeliosis
Paola Pepe

18.00-18.15 OP
Preliminary data on cystic echinococcosis in dairy cattle intensive breedings of Sardinia, Italy
Antonio Scala

18.15-18.25 SP
The fourth state of matter and its biocidal effect: plasma *vs* Coccidia
Benedetto Morandi

Therapy and Drug Resistance 2 (room Abbrescia)
Chairs: **Maria Teresa Manfredi** - **Donato Traversa**

17.00-17.15 OP E
Rational drug use against African animal trypanosomosis
Peter-Henning Clausen

17.15-17.30 OP E
Prevalence of insecticide resistance in house flies *(Musca domestica)* on pig farms in the federal state of Schleswig-Holstein, Germany
Stephan Steuber

17.30-17.45 OP
Evaluation of the efficacy and safety of moxidectin 2.5% W/V and imidacloprid 10% W/V (Advocate®) in the treatment of *Thelazia callipaeda* in naturally infected dogs
Riccardo Paolo Lia

17.45-18.00 OP E
Effects of *Azadirachta indica* extracts on *Plasmodium berghei* parasitaemia and pro-inflammatory response in inbred mice
Sofia Tapanelli

18.00-18.15 Efficacy of natural anthelmintic product in sheep naturally infected by nematodes and trematodes: studies in Calabria region (southern Italy)
OP
Fabio Castagna

Fungi and Fungal Infections (room Japigia)

Chairs: **Patrizia Danesi** – **Maria Paola Tampieri**

17.00-17.15 ITS barcoding in veterinary mycology diagnostic
OP E
Patrizia Danesi

17.15-17.30 The role of drug efflux pumps in *Malassezia pachydermatis* and *Malassezia furfur* defence against azoles
OP E
Roberta Iatta

17.30-17.45 Detection and genetic identification of *Pneumocystis jirovecii*
OP E
David Di Cave

17.45-18.00 Mortality rate of *Lutzomyia longipalpis* sand flies exposed to *Beauveria bassiana* and *Eucalyptus globulus* essential oil
OP E
Luciana A. Figueredo

18.00-18.15 Acaricidal effects of *Beauveria bassiana* in combination with *Eucalyptus globulus* essential oil against *Dermanyssus gallinae*
OP E
Davide Immediato

18.15-18.30 *In vitro* triazole susceptibility of clinical and environmental isolates of *Aspergillus fumigatus*
OP E
Federica Nuccio

17.30-18.30 **EVPC Resident get-together (Palace Caffè)**

20.00-23.00 Gala dinner “Sala Zonno” and award-winning & signature-sound Italian vocalist band “Neri per Caso”

E Oral/Short Presentation in English OP (oral presentation) is 11 min. for oral communication + 3 min. for discussion + 1 min. for changeover
SP (short presentation) is 7 min. for oral communication + 2 min. for discussion + 1 min. for changeover

FRIDAY 24TH JUNE

(Palace Hotel)

08.30 Award ceremony of the winners "Odile Bain Memorial Prize 2016"

Chairs: **Aneta Kostadinova** - **Coralie Martin** - **Domenico Otranto**

09.00-10.30 Joint EVPC-SoIPa Session

Parasites, biodiversity and public health in a changing world

In this session, speakers will discuss topics relating to parasites affecting humans in a changing world. In particular, the interaction between parasites and humans in relation to religion, climate change and risks for tick borne diseases and food preferences will be discussed as key examples.

Chairs: **Laura Helen Kramer** – **Edwin Claerebout**

Parasites and religion



Maria Elena Bottazzi (National School of Tropical Medicine, Baylor College of Medicine; Sabin Vaccine Institute and Texas Children's Hospital Center for Vaccine Development, Houston, TX, USA)

Climate change, biodiversity, ticks and tick borne diseases



Filipe Dantas-Torres (Oswaldo Cruz Foundation, Recife, Brazil; Università degli Studi di Bari, Italy)

Emerging issues in parasite food zoonoses: Opistorchis felineus *in Europe*





Federica Berrilli (Università degli Studi di Roma "Tor Vergata", Italy) and **Claudio De Liberato** (Istituto Zooprofilattico Sperimentale, Lazio e Toscana, Roma, Italy)

10.30-11.00 Coffee break

11.00-12.30 EVPC General Meeting

12.30-13.30 **EVPC Resident forum**
Chair: **Gad Baneth**

12.30-12.45 **Simone Manzocchi** (Novara Day Lab – IDEXX Laboratories Italia)
Atypical case of subcutaneous filariosis in a cat: do we expect *Dirofilaria immitis* there?

12.45-13.00 **Ana Margarida Alho** (Faculty of Veterinary Medicine, University of Lisboa, Portugal)
Ecoepidemiology of *Dirofilaria* spp. and *Angiostrongylus vasorum* in Portugal

13.00-13.15 **Viktor Dyachenko** (Veterinary Laboratory Freiburg, Freiburg i. Br., Germany)
Case report: Co-infection of *Trypanosoma (Megatrypanum) pestania* and *Anaplasma phagocytophilum* in a dog from Germany

13.15-13.30 **Vito Colella** (Università degli Studi di Bari, Italy)
Thelazia callipaeda in eastern European countries

13.30-14.30 Light lunch

POSTER WEDNESDAY 22ND JUNE

Arthropod-borne parasitoses

P1 Molecular and serological detection of *Anaplasma phagocytophilum* in goats: follow-up of a severe outbreak
S. Cazzin, S. Ravagnan, S. Paternolli, S. Villotti, S. Carlin, L. Lucchese, A. Granato, A. Natale, D. Dellamaria, G. Capelli

P2 Prevalence and risk factors associated to *Ehrlichia canis*, *Anaplasma* spp., *Borrelia burgdorferi* sensu lato and *Dirofilaria immitis* in hunting dogs from southern Italy
D. Piantedosi, B. Neola, F. Di Prisco, N. D'Alessio, L. Auletta, S. Carta, R. Chandrashekar, V. Veneziano

P3 Proteomic approaches to investigate the biology of the hard tick *Ixodes ricinus* and its relation with the symbiont *Midichloria mitochondrii*
M. Di Venere, M. Cagnone, A. Cafiso, A. M. Floriano, G. Parisio, D. Sassera

P4 Vector competence of italian *Aedes albopictus* for Zika virus
M. Di Luca, F. Severini, L. Toma, D. Boccolini, R. Romi, M.E. Remoli, G. Venturi, C. Fortuna

P5 Application of a solution with spores of the fungus *Mucor circinelloides* as a biocide to prevent tick eggs development in tropical areas
J. Á. Hernández, R. Bonilla, J. A. León, J. Pedreira, R. Francisco, Á. Romasanta, A. Paz-Silva, R. Sánchez-Andrade, M. S. Arias

P6 Tick borne pathogens in ticks from domestic animals in Lebanon
M. Dabaja, V. Blanda, G. Vesco, R. D'Agostino, S. Scimeca, F. La Russa, S. Caracappa, M. Afram, A. Torina

P7 The american cockroach *(Periplaneta americana)* and its potential role in the epidemiology of the cat lungworm
L. Falsone, V. Colella, E. Napoli, S. Giannetto, D. Otranto, E. Brianti

Diagnosis of parasitic diseases

P8 Comparison of IFAT and PCR assays targeting the RE and B1 regions for detection of *Toxoplasma gondii* in muscle tissues
F. Veronesi, A. Santoro, D. Ranucci, M. Diaferia, G. L. Milardi, R. Branciari, S. Gabrielli

P9 Detection of *Elaeophora böhmi* (Filarioidea: Onchocercidae) in horse from northern Italy
R. P. Lia, V. Veneziano, A. Giannelli, F. Abramo, M. Santoro, M. S. Latrofa, Y. Mutafchiev, D. Otranto, A. Bertuglia, B. Riccio

P10 Post-surgical follow up of human Cystic Echinococcosis (CE) in sardinian patients
M. Conchedda, A. Caddori, A. Caredda, S. Capra, G. Bortoletti

P11 Preliminary results of exposure to *Sarcocystis* spp. in horses from Italy using *Sarcocystis neurona* as antigen
G. Tosi, L. Fiorentini, M. Parigi, P. Massi, D. Scaravelli, E. Tabanelli, D. Howe, A. Paz-Silva

P12 Imported *Plasmodium ovale curtisi* and *Plasmodium ovale wallikeri* infections among patients at INMI L. Spallanzani Hospital (Rome)
M. G. Paglia, A. Vulcano, A. Toffoletti, A. Corpolongo, C. Rotondo

P13 Molecular and immunological diagnosis of four new cases of gastric and intestinal Anisakiasis in Italy due to *Anisakis pegreffii*, and first identification by RT-PCR hydrolysis probe system
S. Mattiucci, M. Paoletti, A. Colantoni, B. Crisafi, R. Gaeta, P. Fazii, A. Carbone, S. Frattaroli, F. Bruschi, G. Nascetti

Parasites in aquatic fauna

P14 Parasites of dolphins stranded along the coast of Tuscany (Italy)
G. Terracciano, A. Comentale, G. Fichi, E. Ricci, S. Perrucci

P15 Parasites of the head of the atlantic bonito *Sarda sarda* caught off the southeastern iberian peninsula (western Mediterranean Sea)
J. F. Palacios-Abella, J. Rodriguez-Llanos, F. E. Montero-Royo, D. Macías, M. J. Gómez, S. Garcia, G. Garippa, P. Merella, S. Mele

P16 Larval anisakidae in commercial ommastrephid squids from sardinian waters (western Mediterranean Sea)
A. Piscedda, J. Culurgioni, M. C. Piras, P. Merella, B. Agus, M. Mereu, A. M. Deiana, D. Cuccu

P17 Prevalence of *Echinophallus wageneri* (Bothriocephalidea) in blackfish *(Centrolophus niger)* of western Ligurian Sea
P. Pastorino, V. Menconi, M. C. Bona, A. Gustinelli, T. Scanzio, C. Caimi, D. Mugetti, F. Garibaldi, M. Fioravanti, M. Prearo

P18 New report of *Anisakis* spp. larvae from blunthead puffer, *Sphoeroides pachygaster* (Osteichthyes: Tetraodontidae) caught off strait of Sicily
A. Costa, G. Gaglio, A. M. Di Noto, G. Cammilleri, S. Graci, V. Ferrantelli, F. Marino

P19 Histological description of enteric infection due to the microsporidian *Enterospora nucleophila* in gilthead seabream *(Sparus aurata)*
A. Gustinelli, K. Varello, G. Scaturro, F. Quaglio, V. Menconi, M. Caffara, M. L. Fioravanti

Endo and ectoparasites in pets

P20 *Neospora caninum* oocyst shedding in a naturally infected dog
S. Perrucci, A. Gavazza, G. Rocchigiani, S. Nardoni, V. V. Ebani, A. Zbriger, G. Lubas, F. Mancianti

P21 Cardiorespiratory and gastrointestinal parasites in dogs in Liguria
F. Macchioni, L. Guardone, M. C. Prati, M. Magi

P22 Endoparasites in dogs and cats of Sardinia, Italy
C. Tamponi, A. Varcasia, C. Gai, E. Melis, G. Sanna, A. P. Pipia, M. T. Zedda, S. Pau, E. Brianti, A. Scala

P23 *Dirofilaria immitis* and *Angiostrongylus vasorum* in kennels in Campania region, southern Italy
L. Del Prete, M. P. Maurelli, S. Pennacchio, E. Noviello, V. Musella, R. Vascone, L. Rinaldi, G. Cringoli

P24 A survey of portuguese pet owners' awareness about parasitic zoonoses associated with dogs and cats
A. Pereira, Â. Martins, H. Brancal, H. Vilhena, P. Silva, P. Pimenta, D. Diz-Lopes, N. Neves, M. Coimbra, A. C. Alves, L. Cardoso, C. Maia

P25 Evaluation of the injection method for the experimental infection of the land snail *Cornu aspersum* with the lungworm *Aelurostrongylus abstrusus*
E. Napoli, L. Falsone, G. Gaglio, V. Colella, D. Otranto, S. Giannetto, E. Brianti

P26 Experimental *Ancylostoma ceylanicum* infection in dogs and cats: infection rate, worm length and fecundity
S. Rehbein, M. Visser, M. Knaus, W. Lebon, T. Lindner

P27 Intestinal infection with *Encephalitozoon pogonae* in a captive bearded dragon *(Pogona vitticeps)*
B. Hinney, M. Lebens, A. Joachim, B. Richter, K. Mathes, J. Junginger, I. Gerhauser

Medical and veterinary entomology

P28 Predation efficacy of cyclopoid copepods against *Aedes* mosquitoes in northern Italy
F. Baldacchino, M. C. Bruno, P. Visentin, K. Blondel, D. Arnoldi, H. C. Hauffe, A. Rizzoli

P29 Insecticidal repellency of a topical administration of dinotefuran-pyriproxyfen-permethrin spot-on (Vectra® 3D) on mice against *Aedes albopictus* mosquitoes
D. Tahir, B. Davoust, L. Almeras, J.-M. Bérenger, M. Varloud, P. Parola

P30 Phlebotomine sand fly species distribution in Croatia and their implications in *Leishmania* transmission
S. Bosnić, G. Bongiorno, C. Khoury, T. Di Muccio, L. Gradoni, M. Gramiccia, M. Maroli

P31 Co-parasitism of *Pyemotes ventricosus* (Acari: Pyemotidae) and *Scleroderma domestica* (Hymenoptera: Bethylidae) on *Oligomerus ptilinoides* (Coleoptera: Anobiidae): a case study related to a private apartment in Sicily
S. Zampetti, P. Masini, G. M. Llera, F. Biancolini

P32 A case of biological eradication of an infestation of bed bugs *Cimex lectularius* (Hemiptera: Cimicidae) by the spider *Steatoda albomaculata* (Araneae: Theridiidae)
P. Masini, S. Zampetti, I. Moretta, G. M. Llera

P33 ABC transporters involvement in *Anopheles stephensi* defense against *Azadirachta indica* extract
M. Ferrari, A. Negri, L. De Marco, T. Sturmo, V. Mastrantonio, D. Porretta, S. Urbanelli, A. Habluetzel, G. Favia, S. Epis

P34 Occurrence of phlebotomine sand flies along an altitudinal cline in central Italy: analysis of predictive climate parameters
M. Pombi, A. Giacomi, M. Fraulo, A. della Torre, G. Cancrini, A. Pasini, S. Amendola, S. Gabrielli

P35 Intestinal yeast flora of honey bee in presence/absence of *Nosema* spp.: preliminary results
R. Galuppi, R. Cabbri, S. Grazia, M.P. Tampieri

P36 Evaluation of *Varroa* control techniques in *Apis mellifera* by a proteomic approach
R. Cabbri, E. Ferlizza, A. Nanetti, R. Galuppi, M.P. Tampieri, G. Isani

P37 *Aedes albopictus* (Skuse, 1894) in the southernmost limit of Europe: first record in Lampedusa, Linosa and Pantelleria Islands and current distribution in Sicily, Italy
R. Romi, S. D'Avola, D. Todaro, L. Toma, F. Severini, A. Stancanelli, F. Antoci, F. La Russa, D. Boccolini, S. Casano, S.D. Sotera, E. Carraffa, F. Schaffner, M. Di Luca, A. Torina

Epidemiology of parasitic diseases

P38 Prevalence of *Eimeria* spp. in dairy cattle in northern and central Italy and correlation between species and oocyst excretion
Y. Abbate, M. Gobbi, S. Broccatelli, E. Cordovani, A. Felici, E. Scoccia, M. Sebastianelli, C. Pesca, S. Parmegiani, N. D'Avino

P39 Prevalence of equine Piroplasmosis in central Spain
L. E. Bartolomé del Pino, M. Llorens-Picher, A. Meana-Mañes

P40 Prevalence of intestinal parasites in hunting dogs in Calabria region (Southern Italy)
F. Castagna, D. Britti, S. Russo, V. Musella

P41 Investigating the role of alpha-Thalassemia and glucose-6-phosphate dehydrogenase deficiency in *Plasmodium falciparum* transmission from human to mosquito
F. A. Yao, S. Yerbanga, G. Bancone, P. Avellino, F. Santolamazza, V. Mangano, A. Cohuet, J. B. Ouédraogo, D. Modiano

P42 Molecular identification of *Blastocystis hominis* isolates in south of Côte D'Ivoire
R. D'Alfonso, M. Santoro, V. Di Cristanziano, D. Essi, A. Monsia, D. Di Cave, F. Berrilli

P43 Updates on the distribution of *Dirofilaria* spp. in the southernmost tip of Apulia region
C. Fiordaliso, R. P. Lia, A. Giannelli, D. Otranto, G. Poglayen

P44 Diffusion of *Babesia caballi*, *Theileria equi* and *Anaplasma phagocytophilum* in equids of Ragusa province Sicily (Italy) and incidence of disease episodes reported by owners
L. Blandino, G. Cascone, F. Cusumano, V. Currò, F. Laus, A. Habluetzel

P45 Copromicroscopic monitoring of gastro-intestinal helminths in horses from Italy
A. Zidda, A. Varcasia, G. Sanna, A. P. Pipia, C. Tamponi, G. Sedda, A. Scala

P46 Cross-sectional survey on the occurrence of *Capillaria boehmi* infection in canine populations of central Italy
G. Morganti, F. Veronesi, A. Di Cesare, M. Diaferia, D. Traversa

P47 Human babesiosis from Democratic Republic of Congo
G. L. Milardi, S. Gabrielli, V. Totino, V. Fullin, B. K. Kabasele, L. Bellina, G. Cancrini

P48 An endemic hotspot of *Dirofilaria immitis* infection in rural dogs from Albania
M. Knaus, A. Giannelli, D. Rapti, E. Shukullari, M. Visser, S. Rehbein

P49 Serological evaluation of *Leishmania infantum* infections in cats from the Aeolian Islands, Southern Italy
V. D. Tarallo, E. Brianti, M. A. Cavalera, L. Falsone, M. G. Pennisi, V. Priolo, L. Gullotta, F. Solari Basano, K. Deuster, F. Dantas-Torres, D. Otranto

P50 Coprological screening on prevalence and intensity of intestinal parasites in horses, Romania, with emphasizes on Strongyles
M. C. Buzatu, I. L. Mitrea, M. Ionita

Food and parasites

P51 Understanding the jigsaw of *Anisakis pegreffii* Campana-Rouget & Biocca, 1955 in the mediterranean anchovy and pilchard: the piece of northern Sardinia
J. Culurgioni, G. Garippa, M. C. Piras, M. Prearo, P. Merella

P52 Sequence variation in the B1 gene among *Toxoplasma gondii* isolates from swine and cats in central Italy
S. Gabrielli, G. L. Milardi, A. Santoro, D. Ranucci, R. Branciari, F. Veronesi

Therapy and drug resistance

P53 Control of infection by *Eimeria tenella*, *Eimeria maxima* and *Eimeria acervulina* in broilers with the association Sulfadimethoxine and Trimethoprim
G. Tosi, L. Fiorentini, M. Parigi, D. Scaravelli, G. Leotti, F. Ostanello, P. Massi

P54 Modulation of P-Glycoprotein (PGP) expression in an *Ixodes ricinus* cell line following Amitraz, Fipronil and Permethrin treatment.
C. Mangia, A. Vismarra, M. Genchi, S. Epis, C. Bandi, G. Grandi, L. Bell-Sakyi, D. Otranto, L. Kramer

P55 Evaluation of the effectiveness of a novel oral formulation of Sarolaner for the treatment and prevention of *Ctenocephalides canis* flea infestations on dogs
T. Geurden, C. Becskei, S. P. Mahabir, N. Slootmans, R. H. Six

P56 The speed of kill of Effetix® when compared to Nexgard™ against artificial infestations of ticks *(Rhipicephalus sanguineus)* and fleas *(Ctenocephalides felis)* on dogs
C. Navarro, D. Cvejik, C. Schneider, K. De Mari, N. Rizzi, J. Liebenberg

P57 Evaluation of the Acaricide action of some vegetal and/or synthetic substances in colonies of *Apis mellifera ligustica* naturally infested by *Varroa destructor*
T. Gardi, G. Morganti, M. A. Principato, I. Moretta, S. Principato

Molecular biology and phylogeny in parasitology

P58 Molecular identification of *Hysterothylacium* spp. from fishes of sicilian coasts (South Mediterranean Sea, Italy)
A. Costa, S. Graci, G. Cammilleri, M. D. Buscemi, R. Collura, D. Principato, V. Ferrantelli

P59 Nuclear genetic markers for multilocus phylogeny of *Rhipicephalus* ticks
D. Porretta, V. Mastrantonio, M.S. Latrofa, F. Dantas-Torres, S. Urbanelli, D. Otranto

P60 Variability inside *Taenia multiceps*: morphology and haplotypes
A. P. Pipia, A. Varcasia, B. Boufana, G. Dessì, A. Zidda, C. Tamponi, M. Pau, A. Scala

P61 Molecular screening for *Midichloria* bacteria in hard and soft ticks (Acari: Ixodida)
A. Cafiso, V. Serra, M. Bersani, L. De Marco, D. Sassera, O. Plantard, C. Bazzocchi

Immunology and vaccines

P62 Expression analysis of relevant gene targets for hygienic behaviour in honeybees *(Apis mellifera)*
F. Dell'Orco, F. Albonico, M. Loiacono, E. Facchini, R. Rizzi, M. Mortarino

P63 How *Anisakis pegreffii* (Nematoda: Anisakidae) modulates dendritic cells differentiation
C. Napoletano, A. Colantoni, M. Nuti, A. Rughetti, S. Mattiucci

P64 Preliminary results of a pilot field study: immunoparasitological evaluation and long term follow-up of dogs vaccinated with the LiESP/QA-21 vaccine (CANILEISH®) in endemic areas of canine leishmaniosis
K. De Mari, A.-M. Cuisinier, C. Navarro, I. Vouldoukis

POSTER THURSDAY 23RD JUNE

Monitoring and control of vectors

P1 Preliminary results on the efficacy of four algal extracts against larvae of *Aedes albopictus* (Diptera: Culicidae)
S. Carlin, M. Stocco, I. Giuliato, E. Marchiori, G. Capelli, F. Montarsi, A. Sfriso, S. A. Minicante

P2 Intraspecific competition among larvae of *Aedes albopictus* in conditions of food abundance and shortage
D. Chiavacci, A. Biasci, M. C. Prati, F. Macchioni

P3 The "first line of defense" against Acaricides in the brown dog tick *Rhipicephalus sanguineus* sensu lato
C. Cafarchia, D. Porretta, F. Dantas-Torres, R. Iatta, D. Immediato, V. Mastrantonio, S. Epis, L. De Marco, D. Sassera, S. Urbanelli, D. Otranto

P4 Anti-feeding efficacy of a human topical formulation of neem oil against *Aedes albopictus*
G. Bongiorno, F. Severini, L. Gradoni

P5 A comparison between tick and mosquito populations in Agrigento and Ragusa provinces (Sicily, Italy)
A. Torina, F. La Russa, R. M. Manzella, R. Scimeca, E. Giudice, S. Ciccarello, G. Blandino, F. Antoci

Parasites in wildlife

P6 The role of red fox *(Vulpes vulpes)* in the epidemiology of *Taenia multiceps* in Sardinia, Italy
C. Tamponi, A. Varcasia, G. Tosciri, A. P. Pipia, F. Dore, F. Nonnis, R. K. Schuster, O. M. Kandil, A. Scala

P7 Intestinal histopathology due to an acanthocephalan in two corvids species from north Italy
B. Sayyaf Dezfuli, L. Zeppellini, S. Rubini, M. Manera, G. Castaldelli, L. Giari

P8 Molecular survey of *Ehrlichia canis* infection in red fox *(Vulpes vulpes)* from southern Italy
M. Santoro, V. Veneziano, N. D'Alessio, F. Di Prisco, G. Lucibelli, A. Cerrone, S. Latrofa, D. Otranto, G. Galiero

P9 Molecular evidence of *Babesia vulpis* and *Hepatozoon canis* infections in red foxes *(Vulpes vulpes)* from the province of Pisa (central Italy)
G. Rocchigiani, R. Papini, V. Vasta, S. Nardoni, A. Leoni, F. Mancianti

P10 Evaluation of *Trichinella pseudospiralis* and *Toxoplasma gondii* infection in free ranging corvids from the province of Pisa
S. Stefanelli, F. Mancianti, C. Sorichetti, L. Mugnaini, G. Vecchio, D. Scarselli, S. Perrucci

P11 Risk factors of gastrointestinal parasites and lungworms in donkeys in the Asinara national park (Sardinia- Italy)
G. Garippa, E. Pintore, N. Columbano, S. Caggiu, A. Scanu, V. Melosu, S. A. Zanzani, A. L. Gazzonis, P. A. Galilea Aranda, M. T. Manfredi

P12 Ticks and lice of the donkeys in the Asinara national park (Sardinia - Italy)
G. Garippa, E. Pintore, N. Columbano, E. Olivieri, A. Scanu, V. Melosu, R. Deiana, G. Careddu, M. T. Manfredi

P13 First report of an infestation by *Hypoderma actaeon* in roe deer *(Capreolus capreolus)*
R. Panadero, G. Varas, G. Pajares, C. M. López, P. Díaz, P. Díez-Baños, P. Morrondo

P14 Development of *Cephenemyia stimulator* in roe deer in an area of oceanic climate (NW Spain)
M. S. Arias, G. Pajares, N. Díez-Baños, A. Pérez-Creo, A. Prieto, P. Díez-Baños, P. Morrondo

P15 *Setaria tundra*, an emerging filarioid nematode in roe deer *(Capreolus capreolus)* in northeast Italy
P. Beraldo, S. Pesaro, M. Benfatto, G. Manente, G. Rossi

P16 Molecular and serological evidences of circulating *Midichloria mitochondrii* in roe deer *(Capreolus capreolus)* after *Ixodes ricinus* bite
V. Serra, A. Cafiso, G. Parisio, D. Sassera, N. Formenti, H. Verheyden, O. Plantard, C. Bazzocchi

P17 First case of Spirorchiidiasis (Digenea: Spirorchiidae) in a mediterranean loggerhead *(Caretta caretta)* with molecular characterization of *Hapalotrema mistroides*
M. Santoro, F. Di Nocera, D. Iaccarino, S. Lawton, A. Cerrone, B. degli Uberti, M. D'Amore, A. Affuso, S. Hochscheid, G. Galiero

P18 Comparison of diagnostic tests for *Giardia* detection in wild ungulates: is ELISA test a good choice?
T. Trogu, N. Formenti, C. De Liberato, F. Berrilli, M. Marangi, A. Giangaspero, N. Ferrari, P. Lanfranchi

P19 Detection of *Giardia duodenalis* in free ranging alpine cervids
T. Trogu, N. Formenti, F. Berrilli, M. Marangi, A. Giangaspero, N. Ferrari, C. De Liberato, R. Viganò, P. Lanfranchi

P20 Occurrence of pharyngeal bot flies in red deer from southern Spain
M. Gonzálvez, F. Alonso, R. Ruiz de Ybáñez, L. León, I. Arcenillas, C. Martínez-Carrasco

Parasitoses of livestock

P21 Awareness of cystic echinococcosis among sheep farmers in southern Sardinia
M. Conchedda, S. Capra, A. Caredda, V. Seu, S. P. Pani, F. Gabriele

P22 Updating of bovine endoparasites in Italy
C. Romanelli, G. P. Zaffarano, B. Morandi, V. Benfenati, G. Poglayen

P23 Updates on clinical evolution of coenurosis in small ruminants
M. L. Manunta, A. Varcasia, M. A. Evangelisti, R. Deiana, R. Zobba, I. Ballocco, L. Guida, E. Sanna Passino, V. Melosu, A. Scala

P24 Morphological and biomolecular characterization of *Gongylonema* spp. from domestic and wild ruminants of Sardinia, Italy
A. P. Pipia, P. A. Cabras, C. Tamponi, S. Pinna, A. Zidda, G. Dessì, A.Varcasia, A. Scala

P25 Detection of *Toxoplasma gondii* infection in sheep meat for human consumption in Sardinia, Italy
A. Varcasia, G. Dessì, R. Panzalis, A. Zidda, A. Casu, V. Ara, C. Tamponi, A. P. Pipia, A. Scala

P26 *Ostertagia ostertagi* antibodies in bulk tank milk from cattle herds in Italy
L. Rinaldi, A. Bosco, A. Amadesi, P. Pepe, N. Morandi, G. Potenza, G. Cringoli

P27 Prevalence of *Cryptosporidium* spp. and *Giardia duodenalis* in sheep farms of Sardinia, Italy
G. Sanna, A. P. Pipia, C. Tamponi, L. Sanna, A. Zidda, S. Muntoni, A. Varcasia, A. Scala

P28 Infections by *Cryptosporidium* spp. in pre-weaned healthy calves (N.W. Spain)
P. Díaz, E. Navarro, A. Preito, A. Pérez-Creo, J. M. Díaz-Cao, R. Panadero, C. M. López, G. Fernández, P. Morrondo, P. Díez-Baños

P29 Prevalence of ostertagiosis in slaughtered dairy cattle from São Miguel Island, Azores, Portugal
J. Mendes, C. Pinto, S. Bernardo, J. Ribeiro Lima, C. Maia

P30 Influence of the production system in the occurrence of gastrointestinal and respiratory parasites in goats from N.W. Spain. Preliminary results
C. López, P. Bejar, L. Vázquez, U. Alonso, J. Calvo, R. Panadero, P. Díaz, A. Pérez-Creo, P. Morrondo, P. Díez-Baños

P31 First experimental infection with *Besnoitia besnoiti* tachyzoites in calves
C. Diezma-Díaz, A. Jiménez-Meléndez, M. Re, MdelC. Ferreras, J. Benavides-Silván, D. Gutiérrez-Expósito, P. García-Lunar, I. Ferre, L. M. Ortega-Mora, L. Calleja-Bueno, J. Blanco-Murcia, G. Álvarez-García

Fungi and fungal infections

P32 *Pneumocystis* in lungs of squirrel, *Callosciurus finlaysonii* (Rodentia, Sciuridae)
G. Da Rold, R. Iatta, F. Marcer, E. Porcellato, S. Marciano, L. Biasion, C. Cafarchia, G. Capelli, P. Danesi

P33 Influence of different storage conditions on the viability and virulence of *Beauveria bassiana* conidia infection suspension
D. Immediato, A. Camarda, A. Giangaspero, R. Iatta, L. Aguiar Figueredo, D. Otranto, C. Cafarchia

P34 Prevalence of the Microsporidian *Nosema ceranae* in honey bee *(Apis mellifera)* apiaries in some provinces of Tuscany
R. Papini, F. Mancianti, F. Cosci, G. Rocchigiani, G. Benelli, A. Canale

P35 Use of *Mucor circinelloides* as a biocide to prevent zoonotic soil-transmitted helminth infections
A. Paz-Silva, J. Á. Hernández, F. Arroyo, R. Bonilla, J. Sanchís, C. Cazapal-Monteiro, Á. Romasanta, R. Sánchez-Andrade, M. S. Arias

P36 *Malassezia* spp. in rabbit: an unsolved mystery
R. Galuppi, M. Caffara, S. Agostini, M.P. Tampieri

GENERAL INFORMATION & VENUE



GENERAL INFORMATION & VENUE

Venue
Università degli Studi di Bari: Palazzo Ateneo, Piazza Umberto I, Bari
Palace Hotel: Via F. Lombardi, 13, Bari



Language
Italian and English are the official languages of the Congress. All oral presentations (regular or short) will be presented with slides in English. In addition, given the large number of foreign attendees, oral presentations delivered in English will be referred into the programme with the letter "E".

Name Badges
For security purposes, and to facilitate collaboration, delegates, speakers, sponsors, accompanying persons and exhibitors are asked to wear their name badge to all sessions. If you misplace your name badge, please enquire at the Registration desk to organize a replacement.

Special Dietary Requirements
If you have advised the Congress Secretariat of special dietary requirements, please speak to a member of the catering staff at catered events to receive your special meal.

EVPC & SoIPa for an ethical and sustainable future

For ethical reasons the organizers opted for a MEAT FREE menu for lunches and dinners (with the exception of the ParasEATaly). The congress is also under the auspices of the "Food for Good" initiative borne to reduce the food waste during the events, through the donation to charity organizations. "Food for Good" is a project of Federcongressi&Eventi in partnership with Banco Alimentare and Equoevento.

Avanzi Popolo will be in charge of the food recovery and distribution.

Certificate of Attendance

A Certificate of Attendance will be given at the end of the Congress. Please ask at the Registration desk.

Disclaimer

The Congress Committee reserves the right to change the scientific programme at any time without notice.

Registration desk

The Registration desk is located next to the Main Hall in the Palace Hotel.

It will be open at the following times:

Tuesday, 21st June 2016	15.00 – 17.00
Wednesday, 22nd June 2016	08.00 – 19.30
Thursday, 23rd June 2016	08.00 – 18.30
Friday, 24th June 2016	08.00 – 13.30

Currency, credit cards and banking information

The official currency is Euro. Normal banking hours are from 09.00 am to 17.00 pm on weekdays and Saturday. ATMs are available throughout the city. Most hotels and shops accept all major credit cards, as well as cash.

Climate

The climate of Bari is typical Mediterranean and June is generally sunny. The average maximum temperature in June is 20-25°C. Take your swimming suit with you!

AWARDS



EVPC & SoIPa FOR EARLY CAREER PARASITOLOGISTS



The Odile Bain Memorial Prize

(for the OBMP committee visit the Parasites & Vectors website)

The "Odile Bain Memorial Prize" (OBMP) is awarded annually by Parasites & Vectors in association with Merial, to perpetuate the memory of Odile Bain (28/04/1939 – 16/10/2012). This award has been established for Odile's outstanding contribution to medical and veterinary parasitology, her actions in encouraging productive collaborations among biologists, veterinarians, physicians, and fundamental and applied parasitologists worldwide and her enthusiasm for parasitology. The announcement of the two winners will be made prior to the EVPC scientific session on the 24th June and subsequently via the Parasites & Vectors website and other appropriate means. Nominees should have made significant and important contributions to the study of parasites or vectors of medical or veterinary importance, reflecting Odile Bain's personal research, be 40 years of age or less, on 16th October in the year of the award and they have received their PhD within the last five years.



SoIPa Award for Young Researchers

The Italian Society of Parasitology (SoIPa) will assign 10 awards to young researchers who are SoIPa members in good standing (timely in their payment of dues). Each award will cover the awardee's registration fees (social dinner included) for the SoIPa XXIX Congress in Bari - June 21 – 24, 2016. The awards will be given to the 10 best Oral Communications in which an eligible young researcher is first author.

SoIPa awards are intended for young SoIPa members without a permanent contract (students, interns, graduate students, research fellows, postdoctoral fellows, scholarship holders, etc.) who are not older than 35.

SoIPa for Human Development

(Annete Habluetzel and David Modiano)

With the world-wide economic crisis and with ongoing wars worsening the conditions of poor countries in Africa and the Middle East, health inequities and inequalities between and within countries are increasing and contribute disproportionally to high incidences of preventable diseases including parasitic diseases. In this scenario parasitologists have an important role to play and to express this commitment, SoIPa wishes to support the congress participation of 4 young researchers from Burkina Faso working on poverty-related parasitic diseases. These researchers will present their work at a 50' session. Entitled SoIPa for Human Development (room Japigia, 22nd June 16.30 – 17.20).



EVPC Residents' Forum

(Edwin Claerebout and Simone Manzocchi)

The Residents' Forum has the purpose to provide residents with an opportunity to present themselves and their work (cases or research) to diplomats on Friday 24th June, from 12.30-13.30. Four residents will be selected to speak. Residents that presented themselves in a previous forum cannot be selected for a second time. The Registration fee for EVPC Members attending only on June 24th includes: participation to EVPC General Meeting, Gala dinner on June 23rd, coffee break and light lunch on June 24th and a certificate of attendance.

SOCIAL PROGRAM



SOCIAL PROGRAM

21ST JUNE, PALAZZO ATENEO BARI

19.30 Welcome Cocktail
20.30 Performance by the Symphony Orchestra of Bari

22ND JUNE, PALAZZO DELLA PROVINCIA BARI

17.00-19.00 Visit of "Corrado Giaquinto" Art Gallery *(reservation required)*
20.30-22.00 ParasEATaly *(reservation required)*

23RD JUNE

06.30-07.15 ParasiRunning *(reservation required)*
20.30 Gala Dinner at "Sala Zonno" and award-winning & signature-sound Italian vocalist band "Neri per Caso" *(reservation required)*

Guided Tours (reservation required)

22ND JUNE BARI and CASTELLANA CAVES
23RD JUNE OSTUNI and ALBEROBELLO
24TH JUNE MATERA

"Corrado Giaquinto" Art Gallery
JUNE 22ND, 2016 (17.00 - 19.00)

The Provincial Art Gallery was established on the 12th of July 1928. The heritage was formed by the confluence of the core of paintings already stored in the Art Gallery adjacent to the Provincial Archaeological Museum built in 1875, from other paintings sold as a deposit from churches and convents from Puglia (particularly important the deposit of the Archbishop of Bari), from works obtained on loan from the National Galleries of Naples and Rome and others purchased by the same Provincial Administration of Bari. Since its founding in 1936, the Art Gallery was housed in the Government Palace. From 1936 it was transferred to the Provincial Government Building, a building designed by the engineer Luigi Baffa, where it is now located. Since 2002 it has been named after the painter Corrado Giaquinto Pugliese, who was born in Molfetta in 1703 and died in Naples in 1766. The gallery holds seven works.

ParasEATaly
JUNE 22ND, 2016 (20.30-22.00)

SoIPa will host its traditional Food and Wine Event which has been hugely successful in all its previous editions. For this year's Event to be just as successful, all SoIPa members are called upon to participate and contribute typical products of their Region of origin. Meeting Planner, our Organizing Secretariat, will have tables, water, bread, disposable dinner tableware and dining service personnel available on site. Please arrange for your local specialties to be delivered from 5:00 to 7:00 pm within the Colonnade/ former Provincial Government of Bari Palace at Via Spalato 19 and Promenade Nazario Sauro, Bari. For more information about deliveries, please contact Meeting Planner at the conference secretriat desk.

ParasiRunning
JUNE 23RD, 2016 (06.30-07.15)



Registration fee € 12,00
The registration fee includes: t-shirt with the Parasirunning logo, water and insurance
Number of participants: max 50
Running route: departure from Sala Zonno to "Pane e Pomodoro" beach (4 Km).

Neri per Caso vocalist band
JUNE 23RD, 2016 (20.30)



NERI PER CASO is a "cappella" vocal band, formed in Salerno in 1989, from the meeting of six friends that had the same passion for singing and music. They won the Sanremo Festival in 1995 with their song: "Le Ragazze". They reached the top of the Italian music charts, their first album selling over 600,000 copies. They became the group of the Year in Italy, in 1995. After 20 years of success in Italy and abroad, including producing music for Walt Disney productions in the USA, and 8 published discs, NERI PER CASO, in 2016, released an album that celebrates their twenty year career. This highlights the talent of this famous a "cappella" vocal band of the Italian music scene.

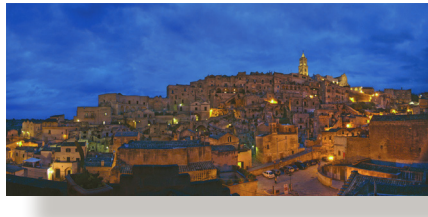
TOUR N.1
June 22ND, 2016 – FULL DAY
BARI and CASTELLANA CAVES




TOUR N.2
June 23RD, 2016 – FULL DAY
OSTUNI and ALBEROBELLO




TOUR POST-CONGRESS
June 24TH, 2016 – HALF DAY + DINNER
MATERA



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ACCADEMIA DI BELLE ARTI DI BARI

Parasitology Summer Course (ParSCo) A residential course in Italy

ORGANISING SECRETARIAT

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