

**EDIS - European Dirofilaria Society**

**THIRD EUROPEAN  
DIROFILARIA DAYS**

*Parma, Italy  
June 21-22, 2012*

**FINAL PROGRAM**

Third European Dirofilaria Days  
Parma, Italy  
June 21-22, 2012

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e-mail: [info@mvcongressi.it](mailto:info@mvcongressi.it) - [www.mvcongressi.org](http://www.mvcongressi.org)

The *Third European Dirofilaria Days* is organized under the patronage of:

Università degli Studi di Parma  
Facoltà di Medicina Veterinaria di Parma  
Ordine dei Medici Veterinari della Provincia di Parma

*and with the contribution of:*

**Bayer Animal Health**

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## Thursday June 21th

08.30-09.00 Registration

**PLENARY LECTURES: Session I** - Chairpersons: J. Guerrero, E. Fok

09.00-09.30 **State of the art of dirofilarial infections in Europe**

*Claudio Genchi, University of Milan, Italy*

09.30-10.15 **Heartworm and resistance: truth or fiction**

*Byron L. Blagburn, Auburn University, USA*

10.15-10.30 **What to do when melarsomine is not available?**

*Laura Kramer, University of Parma, Italy*

10.30-11.00 **What happens to *Wolbachia* during development of *D. immitis* in the mosquito?**

*Wieslaw J. Kozek, University of Puerto Rico, USA*

11.00-11.30 Coffee Break

**PLENARY LECTURES: SESSION II** - Chairpersons: W.J. Kozek, J. Orsoni

11.30-12.00 **The spreading of *Dirofilaria* infections in Eastern European Countries.**

*Éva Fok, Szent Istvan University, Hungary*

12.00-12.30 **Human dirofilariasis: what is changing?**

*Fernando Simón, University of Salamanca, Spain*

12.30-13.00 **Heartworm guidelines for dogs and cats: a parallel between those of ESCCAP and the AHS**

*Jorge Guerrero, University of Pennsylvania, USA*

13.00-14.30 Break

14.30-15.00 Dedication ceremony for Prof. John W. McCall

15.00-15.45 **Role of doxycycline treatment in preventing heartworm disease, killing adult heartworms and blocking heartworm transmission**

*John McCall, University of Athens, USA*

15.45-18.00 **ORAL COMMUNICATIONS: SESSION I**

*Chairpersons: C. Genchi, F. Simón*

**1. HUMAN DIROFILARIASIS CAUSED BY DIROFILARIA REPENS IN RUSSIA (2006-2011)**

*Guzeeva M., Guzeeva T., Afonin A., Kartashev V., Simón F.*

**2. PREOPERATIVE DIAGNOSIS OF SUBCUTANEOUS DIROFILARIASIS BY ULTRASOUNDS AND COLOUR DOPPLER. TWENTY SIX CASES FROM RUSSIA**

*Ilyasov B., Kartashev V., Ermakov A., Kartashov S., Kolodiy I., Klyuchnikov A., Mironova A., González-Miguel J., Morchón R., Simón F.*

**3. DIROFILARIA REPENS INFECTION IN HUNGARY**

*Kucsera I., Danka J., Szénási Z., Orosz E., Auer H., Genchi C.*

**4. UPDATING THE EPIDEMIOLOGICAL STATUS OF CANINE DIROFILARIOSIS IN PORTUGAL - PRELIMINARY RESULTS**

*Alho A.M., Landum M., Madeira de Carvalho L., Meireles J., Gonçalves L., Belo S.*

## Thursday June 21th

5. IS *DIROFILARIA* SPP. STILL ENDEMIC IN THE VENETO REGION?  
AN EPIDEMIOLOGICAL SURVEY FROM THE VECTOR SIDE  
*Capelli G., Montarsi F., Ciocchetta S., Annoscia G., Dantas-Torres F., Ravagnan S., Latrofa MS, Otranto D.*
6. SEROPREVALENCE OF DIROFILARIOSES IN SERBIA  
*Gabrielli S., Tasić A., Miladinović-Tasić N., Tasić-Otašević S., Cancrini G.1*
7. CANINE *DIROFILARIA* INFECTIONS IN SLOVAKIA  
*Iglódyová A., Miterpáková M.*
8. *DIROFILARIA* INFECTION IN DOGS FROM THE CAMPANIA REGION OF SOUTHERN ITALY  
*Rinaldi L., Maurelli M.P., Auriemma S., Sorrentino M., Musella V., Pepe P., Cringoli G.*
9. DIROFILARIOSIS IN PET DOGS AND WORKING DOGS - DIAGNOSTICS AND SEROPREVALENCE IN URBAN REGIONS OF SERBIA  
*Savić S., Vidić B., Grgić Z., Medić S., Fenjac I., Pajković D.*

20.00 Gala Dinner

## Friday June 22th

09.00-10.30 **Symposium "Minor species"**

*Chairperson: D. Otranto, Italy*

Neglected filarioses

*Domenico Otranto, University of Bari, Italy*

*Acantocheilonema reconditum*: new insights into the biology and ecology.

*Emanuele Brianti, University of Bari, Italy*

Importance of genetic studies toward defining population strains and intraspecific variability.

*Maria Stefania Latrofa, University of Bari, Italy*

Dirofilariosis in the Americas; a more pathogenic *Dirofilaria immitis*?

*Filipe Dantas-Torres, Brasil*

10.30-11.00 Coffee Break

11.00-13.00 **ORAL COMMUNICATIONS: SESSION II**

*Chairpersons: J. McCall, B. Blagburn*

1. CANINE DIROFILARIOSIS IN PORTUGAL - PREVALENCE OF *DIROFILARIA IMMITIS* ANTIGEN IN APPARENTLY HEALTHY AND CVBD-SUSPECT DOGS

*Cardoso L., Mendão C., Madeira-de-Carvalho L.*

2. SEROPREVALENCY OF HEARTWORM DISEASE (*DIROFILARIA IMMITIS*) IN THE CANINE POPULATION OF FIGUEIRA DA FOZ, PORTUGAL

*Nobre de Matos Pereira Vieira A.L., Vieira M.J., Oliveira J., Simões A.R., Otero J.G.*

3. PREVALENCE OF *DIROFILARIA IMMITIS* IN SERBIA

*Pavlović I., Milojković N., Čurčin L., Kovacevic M., Novak N., Ivanovic O.*

4. VARIATION OF CARDIOPULMONARY BIOMARKERS AND OTHER METABOLIC PARAMETERS DURING ADULTICIDE TREATMENT IN DOGS WITH HEARTWORM DISEASE

*Carretón E., Méndez J. C., Morchón R., Simón F., Montoya-Alonso J. A.*

5. STUDY ON THE PREVALENCE OF *DIROFILARIA REPENS* IN NATIVE DOGS FROM A PREVIOUSLY UNKNOWN FOCI IN SLAVONIA, CROATIA

*Pilat M., Kobaš M., Beck R., Mihaljević Ž., Marinculić A.*

6. *DIROFILARIA IMMITIS* AND *WOLBACHIA* PROTEINS ARE PRESENT IN THE URINE OF DOGS NATURALLY INFECTED WITH *DIROFILARIA IMMITIS* WITH CIRCULATING MICROFILARIAE

*Hormaeche M., Carretón E., Guzzoni S., González-Miguel J., Montoya-Alonso J. A., Simón F., Morchón R.*

7. MORPHOLOGICAL COMPARISON OF *DIROFILARIA IMMITIS* AND *DIROFILARIA REPENS* MICROFILARIAE AFTER STAINING WITH GIEMSA AND HEMATOXYLIN

*Liotta J.L., Sandhu G.K., Rishniw M., Bowman D.D.*

8. EVALUATION OF C-REACTIVE PROTEIN (CRP) AS CLINICAL BIOMARKER IN NATURALLY HEARTWORM INFECTED DOGS. FIELD STUDY

*Venco L., Bertazzolo W., Giordano G.*

9. *ANGIOSTRONGYLUS VASORUM* IN KENNEL DOGS FROM SOUTHERN ITALY

*Rinaldi L., Pennacchio S., Musella V., Maurelli M.P., Alfano S., Cringoli G.*

10. DETECTION OF SPECIFIC *ANGIOSTRONGYLUS VASORUM* ANTIGENS AND ANTIBODIES IN DOGS FROM CENTRAL AND NORTHERN ITALY

*Guardone L., Schnyder M., Macchioni F., Deplazes P., Magi M.*

13.00-14.30 Break

14.30-16.00 **Symposium "2nd Bayer Angiostrongylosis Forum"**

Welcome and Opening remarks

*Roland Schaper*

New insights into the epidemiology and diagnosis of *Angiostrongylus vasorum*

*Schnyder M., Deplazes P.*

Occurrence of *Angiostrongylus vasorum* in symptomatic dogs from Italy

*Traversa D., Meloni S., Di Cesare A., Venco L., Frangipane di Regalbono A., Otranto D., Castagna G., Milillo P., Seghetti M., Pampurini F.*

Serological Survey of *Crenosoma vulpis* Infection In Dogs With Chronic Respiratory Disease

*Conboy G., Markham RJF*

*Angiostrongylus vasorum* in the United Kingdom - a nationwide postal questionnaire survey  
Ashley L., Limon G., Guitian J., Hermosilla C., Fox M.T.

16.00-16.30 Coffee break

*Angiostrongylus vasorum* and *Aelurostrongylus abstrusus*: infection status in domestic dogs and cats from Lisbon, Portugal

Nabais J., Gomes L., Ferreira da Silva J., Vicente G., Madeira de Carvalho L.M.

Molecular identification of slugs acting as intermediate host for *Angiostrongylus vasorum* in an endemic 'hot spot' in the UK - preliminary results

Patel Z., Hermosilla C., Gill C., Aghazadeh M., Keevash E., Fox M.T., Elson-Riggins J.

*Angiostrongylus vasorum* infections in dogs - a five-year follow-up study

Willesen J.L., Johnsson M.S., Koch J.

Infection by *Angiostrongylus vasorum* mimicking a pulmonary malignant disseminated neoplasia in a dog.

Meloni S., Venco L.

17.30-18.30 **ORAL COMMUNICATIONS: SESSION III**

Chairpersons: L. Kramer, G. Grandi

CLINICAL STUDY ON TWELVE NATURALLY ANGIOSTRONGYLUS VASORUM INFECTED DOGS UNDER TREATMENT.

Capogna A., Sasanelli M., Paradies P.

ANGIOSTRONGYLOSIS AND FILARIOSIS IN RED FOXES AND DOGS IN LIGURIA, NORTH-WEST ITALY

Macchioni F., Guardone L., Tozzini G., Deplazes P., Magi M.

ANGIOSTRONGYLUS VASORUM INFECTION IN DOGS FROM THE NORTH OF PORTUGAL

Oliveira H.D., Lobo L., Simões P.B., Sargo T., Coutinho T., Machado J.P., Cardoso L., Fontes-Sousa A.P.

MONITORING ANGIOSTRONGYLUS VASORUM NATURAL INFECTION IN DOGS UNDER PARASITIC TREATMENT

Paradies P., Capogna A., Lia R.P., Sasanelli M.

18.30-19.30 European Dirofilaria Society General Assembly

## POSTERS

- 1. ASSESSMENT OF A CLINICO-PATHOLOGICAL SCORE ASSOCIATED TO *ANGIOSTRONGYLUS VASORUM* NATURAL INFECTION IN DOGS**  
*Paradies P., Capogna A., Lia R.P., Sasanelli M.*
- 2. EXPRESSION OF D-DIMER IN LUNGS AND KIDNEYS OF HEARTWORM-INFECTED DOGS**  
*Carretón E., Grandi G., González-Miguel J., Montoya-Alonso J. A., Morchón R., Simón F., Kramer L. H.*
- 3. INCREASING PREVALENCE OF *DIROFILARIA IMMITIS* IN DOGS IN SALENTO (APULIA-ITALY)**  
*Catanzariti R., Mele I., Parisi A., Guarino L.*
- 4. PREVALENCE OF *DIROFILARIA* IN DOGS FROM TIMIȘ COUNTY (WESTERN PART) ROMANIA**  
*Ciocan R., Jacsó O., Tánzos B., Fok É.*
- 5. A CASE OF HUMAN PULMONARY DIROFILARIOSIS ATTRIBUTED TO *D.REPENS* IN ITALY**  
*Gabrielli S., Petrullo L., Coppola M.G., Cancrini G.*
- 6. WORSENING OF BREATHING PATTERNS IN HW-INFECTED CATS WITH PRESENCE OF *WOLBACHIA* ANTIBODIES**  
*García-Guasch L., Caro-Vadillo A., Montoya-Alonso J.A., Carretón E., Morchón R., Simón F., Kramer L.H., Manubens J.*
- 7. EVALUATION OF THE PERFORMANCE OF HEARTWORM ANTIGEN TEST KITS AND HEARTWORM ANTIBODY TEST KITS FOR THE DIAGNOSIS OF THE INFECTION IN DOGS AND CATS**  
*Genchi C., Ferrari N., Venco L., Billi M., Savary Bataille K., Genchi M.*
- 8. SURFACE ANTIGENS FROM *DIROFILARIA IMMITIS* ADULT WORMS INTERACT WITH THE HOST FIBRINOLYTIC SYSTEM.**  
*González-Miguel J., Morchón R., Mellado I., Carretón E, Montoya-Alonso J..2, Simón F.*
- 9. SURVEY OF CANINE *DIROFILARIA IMMITIS* INFECTION IN CASPIAN PROVINCES OF IRAN**  
*Hosseini, S H , Malmasi, A , Aramoon, M*
- 10. RED FOX (*VULPES VULPES*) AS AN IMPORTANT RESERVOIR OF *DIROFILARIA REPENS* IN SLOVAK WILDLIFE**  
*Hurníková Z., Zalešný G., Miterpáková M.*
- 11. SURVEY OF CANINE DIROFILARIOSIS FROM SOUTH-WESTERN ROMANIA - PRELIMINARY RESULTS**  
*Ilie M.S., Imre M., Imre K., Hotea I., Ilie A., Dărăbuș G.*
- 12. FIRST REPORT OF *WOLBACHIA PIPIENTIS* IN DOGS INFECTED WITH *DIROFILARIA IMMITIS* IN PORTUGAL -PRELIMINARY FINDINGS**  
*Landum, M., Ferreira, C.C., Calado, M., Alho, A.M., Meireles, J.S., Madeira de Carvalho, L., Cunha, C., Belo, S.*
- 13. APPLICATION OF LOOP-MEDIATED AMPLIFICATION METHOD (LAMP) TO DETECT MICROFILARIAE IN DOGS WITH *DIROFILARIA IMMITIS* INFECTION**  
*Karatshev V., Ambalov Yu.,Plutzer J., Kluchnikov A., Karatshov S., Ermakov A., Morchón R., Simón F.*
- 14. CANINE DIROFILARIOSIS IN SLOVAKIA - DIFFICULTIES IN DISEASE MONITORING.**  
*Miterpáková M., Iglódyová A., Hurníková Z.*
- 15. PREVALENCE OF CANINE AND FELINE DIROFILARIOSIS IN BARCELONA PROVINCE (NORTHEASTERN SPAIN).**  
*Morchón R., García-Guasch L., Manubens J., Armario B., Mellado I., Carretón E., Simón L., Simón F., Montoya-Alonso J. A.,*

- 16.** ASSOCIATION BETWEEN *DIROFILARIA IMMITIS* AND *DIOCTOPHYMA RENALE* IN NATURALLY INFECTED DOGS, IN THE NORTHERN OUTSKIRTS OF BUENOS AIRES AND THE TIGRE REGION.  
*Pérez Tort, G; Iglesias, M.F.*
- 17.** *DIROFILARIA IMMITIS* INFECTION AND DIROFILARIOSIS IN DOGS FROM BAIXO VOUGA (CENTRAL PORTUGAL)  
*Rendall-Rocha C., Fonseca I., Cardoso L.*
- 18.** IS *DIROFILARIA REPENS* ENDEMIC IN THE HAVELLAND (DISTRICT IN THE STATE OF BRANDENBURG, GERMANY)?  
*Sassnau R, Kohn M, Demeler J, von Samson-Himmelstjerna G, Kohn B, Müller E*
- 19.** MORPHOLOGICAL AND MOLECULAR CHARACTERIZATION OF THE FIRST REPORTED CASE OF CANINE *DIROFILARIA IMMITIS* FROM MENDOZA, ARGENTINA  
*Mera y Sierra R.L., Cuervo P.F., Alterio F., Albonico F., Mariconti M., Mortarino M., Pepe P., Genchi C., Rinaldi L.*
- 20.** DETECTING *DIROFILARIA* SPP. IN MOSQUITOES OF AUSTRIA  
*Silbermayr K., Seidel B., Hufnagl P., Indra A., Joachim A., Duscher G.*
- 21.** CASE REPORT: AN ADULT MALE OF *DIROFILARIA IMMITIS* IN THE ABDOMINAL CAVITY OF A DOG.  
*Simonato G., Frangipane di Regalbono T., Tessarin C., Furnari C., Capelli G.*
- 22.** DIROFILARIOSIS MISDIAGNOSED AS MAMMARY CARCINOMA: A CASE REPORT  
*Villani L., Kramer L., Scoccia E., Grandi G., Venco L.*
- 22.** MICROFILARIEMIA AND ANTIGENEMIA IN DOGS WITH NATURAL HEARTWORM (*DIROFILARIA IMMITIS*) INFECTION TREATED WITH MELARSOMINE DIHYDROCHLORIDE VS. A COMBINATION OF DOXYCYCLINE AND IVERMECTIN.  
*Quintavalla C., Gnudi G., Kramer L., Vicari M., Grandi G.*

### **2nd Bayer Angiostrongylosis Forum posters:**

- 23.** OCCURRENCE AND REGIONAL DISTRIBUTION OF *AELUROSTRONGYLUS ABSTRUSUS* IN CATS IN GERMANY  
*Barutzki D., Schaper R.*
- 24.** FOX-ASSOCIATED LUNGWORMS IN DOMESTIC DOGS  
*Singleton D., Cuttle J., McGarry J.W.*
- 25.** PULMONARY METASTRONGYLIDOSIS IN NON-DOMESTIC ANIMALS - REPORT OF TWO CASES  
*Silva J.F., Fernandes T.L., Lapão N.L., Madeira de Carvalho L.M.*

## SCIENTIFIC INFORMATION

### Oral Presentations

Presentation time will be ten minutes in power point format (.ppt).

### Poster Presentations

Poster dimensions: 70 cm x 100 cm (width x height).

Posters should be displayed on the provided panels; we recommend the authors to take care of their own poster and to remove them at the end of the event.

## GENERAL INFORMATION

### VENUE:

University of Parma

Central Building

Via Università 12, 43121 Parma (Italy)

TEL. +39 0521 034303

The venue is located in the historical centre and it is a **restricted traffic area**: it is only allowed on certain times of the day or with permits. The restricted traffic areas are controlled by cameras.

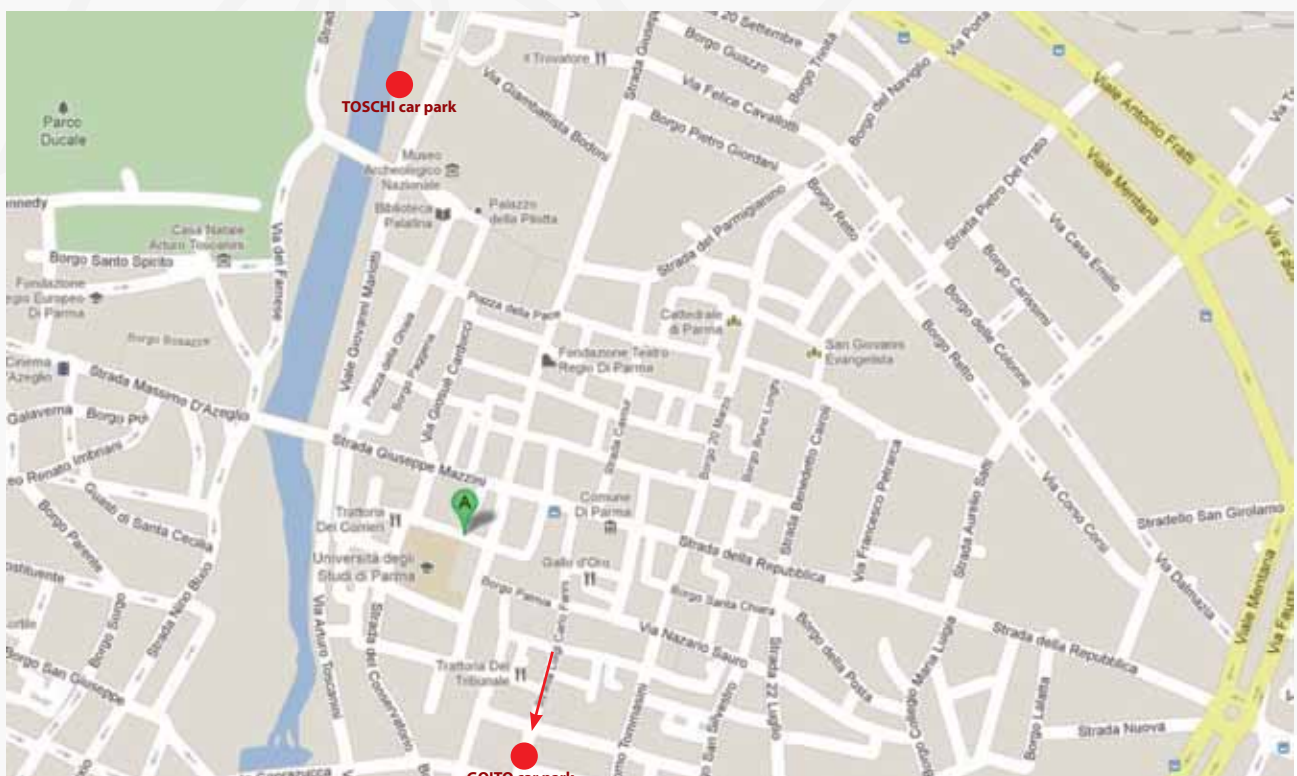
The most convenient way to reach the area is by leaving the car in one of the pay parkings:

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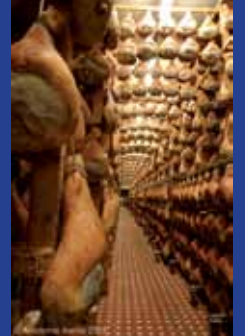
### GOITO car park

Via Goito, 1/a



# PARMA

- Parma is located in the Emilia-Romagna region, in the centre of the so-called “Food Valley” and is worldwide renowned for its culinary tradition (among its products the Parma ham, the culatello and the Parmesan cheese).



- Parma also hosts the European Food Safety Authority head office.



- City of aristocratic cultural tradition, rich in precious works of art and memories of its past as a capital city, Parma is celebrated for its greatest sons and the artists who worked there - from Benedetto Antelami to Salimbene, from Correggio to Parmigianino, from Bodoni to Verdi and Toscanini - the poets and writers inspired by it, above all Stendhal, who recreated the city in his story about the “Chartreuse”.



- Parma has 110 rooms in 5 stars hotel, 566 rooms in 4 stars hotels, 525 rooms in 3 stars hotels with prices from budget to luxury. Some Bed&Breakfast and a youth hostel with 20 rooms and 83 beds are also present in the city.

## REGISTRATION FEES

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Senior	€ 207,00 + 21% vat (€ 250,47)
Student*	€ 83,00 + 21% vat (€ 100,43)

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*\*with written confirmation of the status*

TEDD 2012 senior fees include documentation of TEDD 2012, access to all sessions, Gala dinner on Thursday June 21st and coffee breaks.

TEDD 2012 student fees include the same as for seniors.  
Students must be not more than 30 years old.

## SOCIAL EVENTS

The Gala dinner will take place on Thursday 21th at 20,00 in a typical parmesan restaurant:

Corale Verdi  
V.lo Asdente n°9  
43125 Parma

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PARMA, ITALY, 22<sup>nd</sup> JUNE 2012

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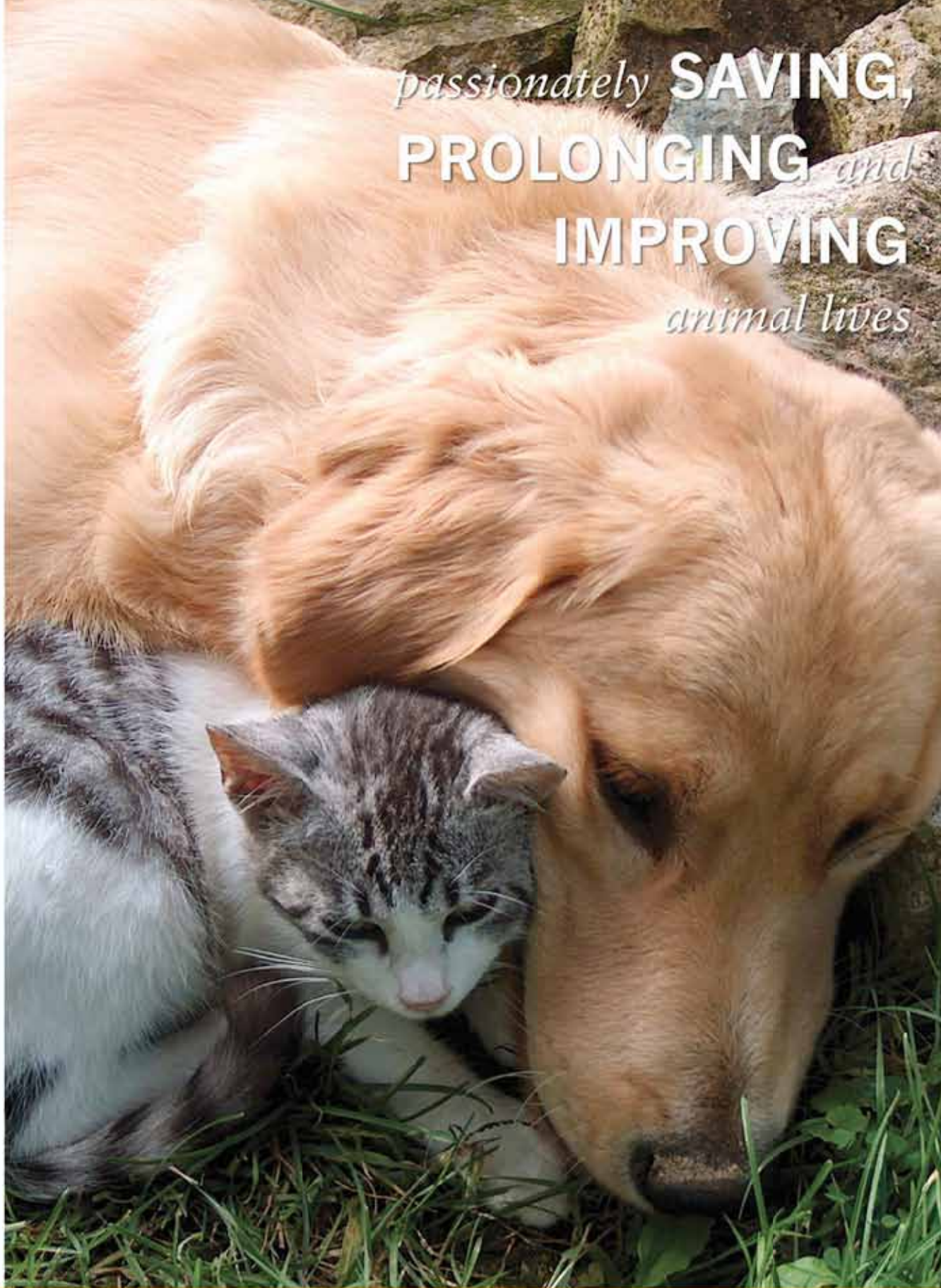
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\* Rapporto rilevato in tre studi da ricercatori indipendenti su 331 cani di 25 diverse razze ed incroci.  
Data on file. La scheda tecnica è disponibile su richiesta presso l'Ufficio Tecnico Animali da Compagnia Merial Italia SpA.

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