Pets are our companions, protectors, fitness trainers and biggest fans all rolled into one. Research shows that owners of pets release stress more easily and get sick less often than other people.

Bayer HealthCare recognizes the growing importance of pets in our lives, employing research using the most advanced techniques in the fields of parasite control, infectious diseases and preventive medicine. For the well-being of animals and humans alike.

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A cordial welcome to all researchers and physicians, organizers and speakers, participants and guests at the 11th International Congress of the European Association for Veterinary Pharmacology and Toxicology (EAVPT) in Leipzig!

In recent years our city has succeeded in furthering its time-honored tradition as a place of scientific research in the field of health and medicine. The opening of renowned research institutes such as the Max Planck, Leibniz and Fraunhofer Societies, but also the medical campus on Bayrischer Platz, one of the most modern healthcare complexes nationwide, bear eloquent witness to this fact. Likewise famous worldwide is “Alma Mater Lipsiensis” or Leipzig University, the second oldest in Germany, whose 600-year anniversary is being celebrated this year with countless events and the opening of a spectacular new campus in the heart of the city, designed by Erick van Egeraat. Among the university’s fourteen departments is today’s host, the Department of Veterinary Medicine, founded in 1923 following the closing of the Dresden College of Veterinary Medicine. Today it is one of the leading training centers for veterinary medicine in Europe, as officially certified at the end of 2008 by the European Association of Establishments for Veterinary Education (EAEVE).

Ladies and gentlemen, this year Leipzig is celebrating another very special anniversary, and I would like to invite each of you to walk in the footsteps of this historic event. It was exactly 20 years ago that 70,000 people gathered with candles in their hands on Leipzig’s Ring Road for a peaceful protest that shook the foundations of East Germany’s communist dictatorship, ensuring that our city would go down in history as the harbinger of the fall of the Wall and the cradle of German reunification. Please take time in the next few days to explore the city and soak up the spirit of this Peaceful Revolution. Attend one of the many cultural events on offer, take a stroll through the city center, and discover the friendly and cosmopolitan inhabitants of our city.

I wish the 11th International Congress of the EAVPT much success, and hope that all of its participants may profit from it in their future endeavors.

Yours,

Burkhard Jung
Lord Mayor of the City of Leipzig

Dear Colleagues,

On behalf of the EAVPT, I would like to invite you to join us at our 11th European Association for Veterinary Pharmacology and Toxicology (EAVPT) International Congress to be held July 12-16, 2009 at the Convention Centre Leipzig (CCL) in Leipzig (Germany).

The Scientific Program Committee has assembled an exciting program that provides a venue for discussion of the latest scientific advances in Veterinary Pharmacology and Toxicology. The program has been structured into plenary lectures, round tables, workshops, keynotes and communications in areas that include adverse drug reactions, cardiovascular system, antibiotics/anti-parasitics, toxicology and food safety and drug residues, pain management, anti-infectives in veterinary medicine, bioequivalence and drug transporters.

Over the past 33 years, EAVPT International Congresses have become the major international forum for researchers, teachers and veterinarians from universities, pharmaceutical companies, clinical practice and government regulatory agencies to share advances of international significance. Our congresses are dedicated to the presentation, promotion and discussion of all matters relating to Veterinary Pharmacology and Toxicology and to promoting scientific and personal contact between individuals from around the world.

We are very grateful to Professor Fritz Ungemuch, as Chairman and all his colleagues in the Local Organizing Committee for the energy and enthusiasm with which they are putting together the scientific program and social congress events for delegates and their companions.

The program has been structured into plenary lectures, scientific sessions with keynotes lectures symposia and workshops by leaders in their respective fields covering recent developments in pharmacology and toxicology relevant to veterinary science. The proceedings will be published in the tradition established by previous congresses as a special supplement to the Journal of Veterinary Pharmacology and Therapeutics (including Toxicology). I have no doubt that this Congress will serve, yet again, as an effective forum to publicise the most recent advances in Pharmacology and Toxicology of relevance to Veterinary Science. Oral and Poster sessions will focus upon recent developments contributed by the general membership in addition to special invitation sessions presented by prominent scientists on their respective fields.

Past meetings of the EAVPT have been a great success with many excellent lectures and keynote addresses being incorporated into the programs. Each year EAVPT is involved in an increasing numbers of successful activities such as workshops combined with the educational role of the European College of Veterinary Pharmacology and Toxicology (ECVPT). These workshops organised by the ECVPT/EAVPT have been well attended particularly by the emerging younger talent in the field of Veterinary Pharmacology and Toxicology coming from universities, the pharmaceutical industry and the agri-food industries as well as international regulatory agencies.

The success of the 11th EAVPT International Congress depends on your active participation and contributions, and therefore, we look forward to seeing you in Leipzig!

Warmest regards,

Professor Arturo Anadón
President of EAVPT
Pharmacology and toxicology are fields of tremendous importance and are absolutely essential for modern veterinary education and practice. Consequently, continuous research of high quality making use of up to date technologies has enabled major progress in understanding pharmacological principles and is the basis for development of new options for treatment and prevention of animal health problems. It goes without saying that progress in veterinary pharmacology and toxicology is of utmost importance for public health e.g. by offering ideas for better control of zoonotic diseases or improving insight into consumer risk associated to toxic components or drug residues in edible tissues and proposing respective measures.

On behalf of the Faculty of Veterinary Medicine I wish all participants and the organising team a successful congress with many interesting presentations and intensive and fruitful discussions stimulating exciting new ideas and collaboration networks to perpetuate excellence in research and further strengthen these essential fields of the veterinary disciplines.

Arwid Daugschies
Dean

Dear Colleagues and Friends,

The general assembly of the 2003 EAVPT meeting in Lisbon decided to hold the 11th International Congress of the European Association of Veterinary Pharmacology and Toxicology in Leipzig, Germany.

We are delighted to welcome you to the 11th EAVPT Congress in Leipzig, one of the most historical German cities, and the home of Bach, Mendelssohn and Bartholdy. Our destination is the superb conference facilities of the Congress Centre Leipzig (CCL) which possesses excellent travel connections to the heart of downtown Leipzig.

The congress is one of the major events in Leipzig in the framework of the exciting 600-year anniversary of the founding of the Universität Leipzig. The university, established on 2 December 1409, is located in the Free State of Saxony, Germany, and is one of the oldest universities in Europe. Since its inception, the university, now with 14 different faculties, has enjoyed an uninterrupted tradition of globally-oriented and academically diverse research and teaching.

The 11th EAVPT congress aims to provide to all professionals in Veterinary Pharmacology and Toxicology the opportunity to exchange and share ideas and experiences in experimental and clinical pharmacology and toxicology. The congress presents the latest breaking scientific evidence through our comprehensive scientific programmes, which cover a wide range of topics by invited lectures as well as abstract based programme. Highlights of the programme include research themes such as pain management, mechanisms of antibiotic resistance development, environmental toxicology, and modern drug delivery systems and many others. Interesting symposia and workshops will complete the scientific programme.

The congress also means to consolidate existing and establishing new collaborations at well-organized social events in the lively and friendly city of Leipzig. We can profit from the city’s rich cultural life, especially arts, literature and its long tradition of music. We guarantee you, you will get an impression of both, the changes and the cultures that originate in Leipzig.

We warmly welcome you to Leipzig for the 11th International Congress of the EAVPT and we wish all of us interesting and fruitful days with top-class presentations, exciting discussions and positive impressions.

Fritz Rupert Ungemach
Chairman, 11th EAVPT International Congress
Coccidiosis

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Vecoxan®
The only anticoccidial drench licensed for dairy calves, beef calves and lambs

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Always seek advice on the correct use of medicines from the prescriber, your veterinarian or suitably qualified distributor.

Further information is available from: Janssen Animal Health, a Division of Janssen-Cilag GmbH, Johnson & Johnson Platz 5a, 41470 Neuss, Fax: 02137 955 270, Mail: jcvetmed@its.jnj.com

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EXECUTIVE COMMITTEE

CHAIRMAN
Fritz R. Ungemach (Germany)

VICE-CHAIRMAN
Walther Honscha (Germany)

MEMBERS
Arturo Anadón  EAVPT President (Spain)
Quintin McKellar  EAVPT Vice-President (UK)
Maria Rosa Martínez-Larrañaga  EAVPT Secretary/Treasurer (Spain)
Pierre-Louis Toutain  ECVPT President (France)
Johanna Fink-Gremmels  Senior ECVPT President
Chairwoman 12th EAVPT Congress (The Netherlands)
Carlo Nebbia  Chairman 10th EAVPT Congress (Italy)
Giovanni Re  Vice-Chairman 10th EAVPT Congress (Italy)

LOCAL ORGANIZING COMMITTEE

Fritz R. Ungemach
Walther Honscha
Getu Abraham
Wolfgang Bäumer
Peter Hajek
Sandra Halwachs
Gerd Hamscher
Manfred Kietzmann
Henry Ottlie
Claudia Zizzadoro

SCIENTIFIC COMMITTEE

Arturo Anadón (Spain)
Patrick de Backer (Belgium)
Jonathan Elliott (UK)
Johanna Fink-Gremmels (The Netherlands)
Christian Friis (Denmark)
Walter Honscha (Germany)
Gerard Keck (France)
Manfred Kietzmann (Germany)
Lubomir Lashev (Bulgaria)
Peter Lees (UK)
Maria Rosa Martínez-Larrañaga (Spain)
Quintin McKellar (UK)
Clara Montesissa (Italy)

Anabela Moreira (Portugal)
Carlo Nebbia (Italy)
Ernst Petzinger (Germany)
Heidrun Potschka (Germany)
Giovanni Re (Italy)
Angelika Richter (Germany)
Ivo Schmerold (Austria)
Stefan Soback (Israel)
Hans Tjàlve (Sweden)
Pierre-Louis Toutain (France)
Fritz R. Ungemach (Germany)
Adelbert van Miert (The Netherlands)
Carlos van Peteghem (Belgium)
### Scientific Programme – Overview

#### Monday

<table>
<thead>
<tr>
<th>TIME</th>
<th>HALL 1</th>
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<tbody>
<tr>
<td>09:00–10:30 am</td>
<td>Opening ceremony</td>
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<td>Coffee break</td>
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<td>Antiparasitics</td>
<td>Antibiotics</td>
<td>Toxicology</td>
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<td>Coffee break</td>
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<td>03:30–04:30 pm</td>
<td>Poster session</td>
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<tr>
<td>04:30–06:00 pm</td>
<td>Bioequivalence</td>
<td>Antibiotics</td>
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<tr>
<td>08:00 pm</td>
<td>Short walking tour of Leipzig</td>
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#### Tuesday

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<tbody>
<tr>
<td>09:00–11:00 am</td>
<td>Antibiotics</td>
<td>Food safety and drug residues</td>
<td>Drug metabolism</td>
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<tr>
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<td>Coffee break</td>
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<tr>
<td>01:30–03:00 pm</td>
<td>Antimicrobials in Veterinary Medicine</td>
<td>Environmental toxicology</td>
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<tr>
<td>03:00–03:30 pm</td>
<td>Coffee break</td>
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<tr>
<td>04:30–06:00 pm</td>
<td>Antibiotics</td>
<td>Pain management</td>
<td>Mycotoxins</td>
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<tr>
<td>07:00 pm</td>
<td>Evening in the Zoo Leipzig</td>
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#### Wednesday

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<th>TIME</th>
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<tr>
<td>09:00–10:45 am</td>
<td>Respiratory tract</td>
<td>Pain management</td>
<td>Various</td>
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<td>Coffee break</td>
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<td>Immunopharmacology</td>
<td>Pain management</td>
<td>Drug Transporter</td>
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<td>Coffee break</td>
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<td>03:30–04:15 pm</td>
<td>Poster session</td>
<td>Round table</td>
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<tr>
<td>04:15–05:15 pm</td>
<td>General assembly of the EAVPT</td>
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<td>05:15–06:15 pm</td>
<td>EAVPT board meeting</td>
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<td>Free evening</td>
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<tr>
<td>09:00–10:15 am</td>
<td>Regulatory affairs</td>
<td>Clinical pharmacology</td>
<td>Adverse drug reactions</td>
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<tr>
<td>10:15–11:00 am</td>
<td>Plenary lecture</td>
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<tr>
<td>01:30–03:00 pm</td>
<td>Cardiovascular system</td>
<td>Risk assessment</td>
<td>Toxicology</td>
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<td>Coffee break</td>
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<td>Closing ceremony</td>
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<td>08:00 pm</td>
<td>Farewell party at Moritzbastei</td>
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<td>10:50–11:30 am</td>
<td>Plenary lecture: Risk perception and risk communication of food safety Ragnar Löfstedt (UK)</td>
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<td>11:30 am–12:15 pm</td>
<td>Plenary lecture: Future of veterinary drug regulations David Mackay [EMEA, UK]</td>
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<td>01:30–03:00 pm</td>
<td><strong>Antiparasitics</strong>&lt;br&gt;Keynote lecture: Pharmacological challenges to achieve a sustainable anthelmintic control in ruminants Carlos Lanusse (ARG)</td>
<td><strong>Antibiotics</strong>&lt;br&gt;Keynote lecture: Alternatives to antibiotics Johanna Fink-Gremmel (NL)</td>
<td><strong>Toxicology</strong>&lt;br&gt;Keynote lecture: Biomarkers of toxicity Hanspeter Naegeli (SUI)</td>
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<td><strong>Poster session</strong></td>
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<td>04:30–06:00 pm</td>
<td><strong>Bioequivalence</strong>&lt;br&gt;Workshop Elanco</td>
<td><strong>Antibiotics</strong>&lt;br&gt;Keynote lecture: MRSA and antibiotics use in veterinary medicine in Asia Yong Ho Park (KOR)</td>
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<td>08:00 pm</td>
<td>Short walking tour of Leipzig</td>
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<tr>
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<td>OPENING CEREMONY</td>
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<td>COFFEE BREAK</td>
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<td><strong>PLENARY LECTURE</strong>&lt;br&gt;Risk perception and risk communication of food safety Ragnar Löfstedt (UK)</td>
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<td>01:30–03:00 PM</td>
<td><strong>ANTIPARASITICS</strong>&lt;br&gt;Chairs: Q. McKellar, C. Zizzadoro</td>
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<td>08:00 pm</td>
<td>Short walking tour of Leipzig</td>
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</table>
04:30–06:00 PM WORKSHOP – BIOEQUIVALENCE

Overview of EU bioequivalence guidance
K. Törneke
Introduction to upcoming BE workshop: Reason and challenges
M. Martinez
Global efforts regarding bioequivalence – Who is doing what?
R. Hunter

HALL 3

01:30–03:00 PM ANTIBIOTICS

Chairs: P. L. Toutain, S. De Boever

Keynote lecture:
Alternatives to antibiotics
Johanna Fink-Gremmels (NL)
Ocetidine dihydrochloride – A new antiseptic agent for use in veterinary medicine
M. Braun
Pharmacodynamics of tulathromycin in vitro and ex vivo against calf pathogens
J. Illambas
Influence of inoculum size and dosing regimen on the selection of marbofloxacin resistant mutants in experimental rat Klebsiella pneumoniae lung infection
A. S. Kesteman
Ex vivo pharmacokinetics/pharmacodynamics intergration of cefquinome against E. coli in pig serum
Y. Dawei

03:00–03:30 PM COFFEE BREAK

03:30–04:30 PM POSTER SESSION IN EXHIBITION AREA

04:30–06:00 PM ANTIBIOTICS

Chairs: J. Fink-Gremmels, R. Odore

Keynote lecture:
MRSA and antibiotics use in veterinary medicine in Asia
Yong Ho Park (KOR)
Determination of cefpirome concentrations in lung extracellular fluid of pigs by microdialysis and comparison with cefpirome concentrations in bronchial secretions, lung tissue and blood
A. S. Craneberger
Mechanistic modeling of the saturable absorption and organ clearance of oral amoxicillin in pigs
J. R. E. del Castillo
Plasma and urine concentration of marbofloxacin in cats
M. Hoffmann

08:00 PM SHORT WALKING TOUR OF LEIPZIG
## Scientific Programme > Tuesday, 14 July 2009

<table>
<thead>
<tr>
<th>TIME</th>
<th>HALL 1</th>
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<tr>
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<td><strong>Antibiotics</strong>&lt;br&gt;Keynote lecture: Plasma vs. tissue concentrations to predict antibiotic efficacy&lt;br&gt;Pierre Louis Toutain (FRA)</td>
<td><strong>Food safety and drug residues</strong>&lt;br&gt;Keynote lecture: Biomarkers for tracing illicit use of growth-promoting agents in food producing species&lt;br&gt;Carlo Nebbia (ITA)</td>
<td><strong>Drug metabolism</strong>&lt;br&gt;</td>
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<td><strong>Plenary lecture:</strong>&lt;br&gt;Epigenetics DNA-damage and repair&lt;br&gt;Moshe Szyf (CAN)</td>
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<td><strong>Antibiotics</strong>&lt;br&gt;Plenary lecture: Plasma vs. tissue concentrations to predict antibiotic efficacy&lt;br&gt;Pierre Louis Toutain (FRA)</td>
<td><strong>Environmental toxicology</strong>&lt;br&gt;Keynote lecture: Veterinary drugs in the environment: Current knowledge and challenges for the future&lt;br&gt;Gerd Hamscher (GER)</td>
<td><strong>Workshop Bayer</strong>&lt;br&gt;Keynote lecture: Antibiotics, including coccidiostats in poultry&lt;br&gt;Arturo Anadon (ES)</td>
<td><strong>Mycotoxins</strong>&lt;br&gt;Keynote lecture: Mycotoxins – a major problem for animal and human health?&lt;br&gt;Gisela Degen (GER)</td>
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**Hall 1**

**11:30 am – 12:15 pm** **Plenary Lecture**

Epigenetics DNA-damage and repair<br>Moshe Szyf (CAN)

**12:15–01:30 pm** **Lunch Break**

**Hall 2**

**09:00–11:00 am** **Antibiotics**

*Chairs: A. Anadon, D. O’Brien*

- **Keynote lecture:** Plasma vs. tissue concentrations to predict antibiotic efficacy<br>Pierre Louis Toutain (FRA)
- Integration and modelling of pharmacokinetic and pharmacodynamic data for oxytetracycline in calves<br>T. Potter
- Pharmacokinetics and pharmacodynamics of florfenicol in calves<br>P. K. Sidhu
- Cefquinome and amoxicillin in goats: PK/PD integration<br>G. C. Battias
- PK/PD integration of tiamulin and Actinobacillus pleuropneumoniae<br>D. Burch
- A PK/PD analysis of the selection of marbofloxacin resistance in Escherichia coli in a mouse-thigh infection model<br>A. A. Ferran
- Pharmacokinetic and pharmacodynamic properties of orally administered valacyclovir in an equine herpesvirus type 1 infection experiment<br>S. Croubels

**01:30–03:00 pm** **Antiinfectives in Veterinary Medicine**

*Workshop Bayer*

- GERMAP 2008 – Resistance monitoring in Germany: Antibiotic use and occurrence of resistance in human medicine<br>M. Kresken
- GERMAP 2008 - Resistance monitoring in Germany: Antibiotic use and occurrence of resistance in veterinary medicine<br>S. Schwarz
- Use of fluoroquinolones and development of resistance in France and Portugal<br>P. Sanders
- Antimicrobials for veterinary use – regulatory and risk management aspects<br>K. Törneke

**03:00–03:30 pm** **Coffee Break**

**03:30–04:30 pm** **Poster Session in Exhibition Area**
04:30-06:00 PM ANTIBIOTICS
Chairs: S. Soback, P. Badino

Keynote lecture:
Antimicrobials, including coccidiostats in poultry
Arturo Anadon (ES)
Clinical efficacy of moxifloxacin for treating rapidly growing mycobacteria (RGM) infections in cats
M. Govendir
Effects of co-administration of mycophenolate mofetil with gentamicin or ceftriaxone on experimentally-induced pyelonephritis in rats
S. Gholizadeh-Soltani
Comparative flubendazole and albendazole capacity to accumulate into hydatid cysts: Drug efficacy assessment
L. Álvarez
Phoxim for the treatment of red fowl mite infestation in laying hens
J. Heine

09:00-11:00 AM FOOD SAFETY AND DRUG RESIDUES
Chairs: I. Schmerold, G. Hamscher

Keynote lecture:
Biomarkers for tracing illicit use of growth-promoting agents in food producing species
Carlo Nebbia (ITA)
Determination of the origin of boldenone in calf urine: Fractionation of the different conjugated forms of boldenone metabolites
C. Van Poucke
The monitoring of individual milk discard times with drug residue screening tests: An in vitro assessment with oxytetracycline
J. R. E. del Castillo
Comparison of an improved multi-plate microbial screening method for antibiotic residues, the Nouws Antibiotic Test, with the New Dutch Kidney Test, using surveillance samples
M. G. Pikkemaat
Evaluation of tetracycline positive slaughter animals with the Nouws Antibiotic Test: Rejection of slaughter animals without confirmatory analysis
M. G. Pikkemaat
Study of colistin depletion in duck tissues after intramuscular and oral administration
Z. Zeng
Dioxins in poultry products: A case study
M. Cardo

11:00–11:30 AM COFFEE BREAK

01:30-03:00 PM ENVIRONMENTAL TOXICOLOGY
Chairs: M. Szyf, F. Caloni

Keynote lecture:
Veterinary drugs in the environment: Current knowledge and challenges for the future
Gerd Hamscher (GER)
Fate of sulfonamides during anaerobic digestion of manure
S. A. I. Mohring
Cytostatic drugs in canine urine: Comparison of two sample preparation methods
S. A. I. Mohring
Suspected nitrate poisoning in horses associated with feeding
H. H. Oruc
Effects of fenton and ozone on E. coli HB101 and tetM gene in manure samples
M. Cengiz

03:00–03:30 PM COFFEE BREAK
03:30–04:30 PM POSTER SESSION IN EXHIBITION AREA
HALL 5

09:00-11:00 AM DRUG METABOLISM

Chairs: H. Tjälve, S. Halwachs

Intestinal biotransformation in sheep. Comparative assessment of phase 1 and 2 metabolic activities in the mucosa of duodenum, jejunum and ileum

G. Virkel

Drug interaction between salinomycin and exogenous adrenaline in dogs

H. Rajaian

Characterization of CYP3A mediated metabolism in the equine liver

H. K. Dimaio Knycz

Growth promoter modulation of drug metabolizing enzymes gene expression in primary cultures of cattle hepatocytes

M. Dacasto

Molecular genetic basis for the hepatic glucuronidation deficiency in cats and its implication for the excretion of selected NSAIDs

C. D. van Beusekom

Gene expression and cellular localization of isoenzymes of the CYP2A, CYP2C, CYP2D and CYP2E subfamilies in the intestines and liver in horse

E. Tydén

Metabolism of ketamine in horses – What’s new?

A. Schmitz

11:00–11:30 AM COFFEE BREAK

03:30–04:30 PM POSTER SESSION IN EXHIBITION AREA

04:30-06:00 PM MYCOTOXINS

Chairs: H. Naegeli, C. Kneuer

Keynote lecture:
Mycotoxins – A major problem for animal and human health?

Gisela Degen (GER)

A multi-mycotoxin LC-MS/MS method for feed analysis

S. Monbaliu

Influence of various adsorbents on basic physiological parameters in rats acutely intoxicated by T-2 toxin: A comparative study

V. Jacevic

Influence of Fusarium toxins on intestinal epithelial cell permeability

J. Goossens

07:00 PM EVENING IN THE ZOO LEIPZIG
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<td>09:00–10:45 am</td>
<td>Respiratory tract</td>
<td>Pain management</td>
<td>Keynote lecture: REACH – Registration, evaluation, authorization and restriction of chemicals</td>
<td>Ursula Gundert-Remy (GER)</td>
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<td>Keynote lecture: Inducers of airway epithelial cell death and regulation of mucus hypersecretion</td>
<td>Keynote lecture: PK/PD integration and modelling of COX-2 inhibitors</td>
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<td>Plenary lecture: Perspective and importance of G-protein coupled receptors in clinical pharmacology</td>
<td>Martin Lohse (GER)</td>
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<td>Keynote lecture: Immunomodulators in dermatopharmacology</td>
<td>Keynote lecture: Endovanilloids and TRPV-1 receptor</td>
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**HALL 1**

**11:30 AM–12:15 PM PLENARY LECTURE**
Perspective and importance of G-protein coupled receptors in clinical pharmacology
*Martin Lohse (GER)*

**12:15–01:30 PM LUNCH BREAK**

**03:30–04:15 PM POSTER SESSION IN EXHIBITION AREA**

**HALL 2**

**09:00–10:45 AM RESPIRATORY TRACT**
*Chairs: J.-C. Desfontis, S. Dhein*

Keynote lecture:
Inducers of airway epithelial cell death and regulation of mucus hypersecretion
*Yohannes Tesfaigzi (USA)*

Keynote lecture:
Use of large animal models of obstructive lung disease to identify novel therapeutic targets
*Fiona Cunningham (UK)*

**10:45–11:30 AM COFFEE BREAK**

**01:30–03:00 PM IMMUNOPHARMACOLOGY**
*Chairs: F. Cunningham, A. Bousquet-Melou*

Keynote lecture:
Immunomodulators in dermatopharmacology
*Wolfgang Bäumer (GER)*

**Barazone decreases skin lesions and pruritis and increases quality of life in dogs with atopic dermatitis: a blinded, randomised, placebo-controlled trial**
*L. A. Ahlstrom*

**Effects of Toll-like receptor 2 and 4 activation in equine macrophages ex vivo**
*J. C. Vendrig*

**Emergency registration and use of a live recombinant vector vaccine in the eradication of Equine Influenza from Australia**
*L. Reeve-Johnson*

**Equine leukocyte activation in response to low-dose endotoxaemia in vivo: Effects of flunixin meglumine**
*S. R. Bailey*
HALL 3

09:00-10:45 AM PAIN MANAGEMENT
Chairs: H.-G. Schaible, P. Mills

Keynote lecture:
PK/PD integration and modelling of COX-2 inhibitors
Peter Lees (UK) supported by Pfizer Animal Health
Efficacy and safety of mavacoxib in the treatment of pain and inflammation associated with degenerative joint disease in dogs presented as veterinary patients
R. Six
Target animal safety studies of mavacoxib in dogs
M. J. Krautmann
Absorption, distribution, metabolism and excretion of mavacoxib in laboratory beagles
S. R. Cox
Population pharmacokinetics (PPK) of mavacoxib in osteoarthritic (OA) dogs
S. R. Cox
Pharmacokinetics and pharmacodynamics of mavacoxib in the dog
P. Lees

10:45–11:30 AM COFFEE BREAK

01:30–03:00 PM PAIN MANAGEMENT
Chairs: P. Lees, S. Bailey

Keynote lecture:
Endovanilloids and TRPV-1 receptor
Giovanni Re (ITA)
Attitude and concern of Italian veterinary practitioners toward management of pain in dogs and cats
G. della Rocca
Inhibitory effects of tepoxalin on COX1/COX2 and 5-LOX in equine whole blood
M. Caruso
Pharmacodynamic properties of salicylate, tepoxalin and ketoprofen in an intravenous LPS inflammation model in broiler chickens
S. De Boever
Modulation of pharmacokinetics of non narcotic analgesics by herbal bio enhancer, trikatu
C. Varshneya

03:00–03:30 PM COFFEE BREAK

03:30–04:15 PM POSTER SESSION IN EXHIBITION AREA
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HALL 3
09:00-10:15 AM CLINICAL PHARMACOLOGY
Chairs: P. De Backer, W. Bäumer

Keynote lecture:
Management of feline chronic kidney disease – Clinical pharmacology and therapeutics
Jonathan Elliott (UK)
Topical anaesthetic techniques during castration of male suckling piglets
D. Rittershaus
Pharmacokinetics and perioperative efficacy of ketorolac in cats and dogs undergoing gonadectomy
P. Cagnardi
Ex vivo evaluation of the anti-inflammatory and anti-endotoxic effects of flunixin and ketoprofen in dairy cows
C. Donalisio

11:00-11:30 AM COFFEE BREAK
11:30 AM–12:15 PM POSTER SESSION IN EXHIBITION AREA
12:15–01:30 PM LUNCH BREAK
01:30-03:00 PM RISK ASSESSMENT
Chairs: C. Nebbia, A. Anadon

Keynote lecture:
Toxicology of engineered nanomaterials
Carsten Kneuer (GER)
Development of a canine in vitro model to study ABC-drug transporter interactions
J. A. Schrickx
Drug resistance in oncology – Drug interactions between antiepileptic and chemotherapeutic drugs
S. Holwachs
Marketing of veterinary medicinal products via the internet – A drug safety problem?
A. Wilke
Pharmacovigilance observations on a recombinant vector vaccine used as part of the eradication campaign for Equine Influenza in Australia
L. Reeve-Johnson

HALL 5
09:00-10:15 AM ADVERSE DRUG REACTIONS
Chairs: H. Potschka, C. Lanusse

Keynote lecture:
Adverse reactions to veterinary medicinal products: an overview based on the Swedish experience
Hans Tjälve (SWE)
CliniPharm/CliniTox: An internet based veterinary drug and poison information system
D. C. Demuth
Risk management activities of regulatory authorities of veterinary medicinal drugs for the containment of antimicrobial resistance – The German perspective
S. Klee
Monitoring the consumption of antibiotics in veterinary medicine in Germany (VETCAB)
P. Hajek

11:00-11:30 AM COFFEE BREAK
11:30 AM–12:15 PM POSTER SESSION IN EXHIBITION AREA
12:15–01:30 PM LUNCH BREAK
01:30-03:00 PM TOXICOLOGY
Chairs: G. Hamscher, R. Villa

Effects of allopurinol on intracellular ATP-content and the reactive oxygen species generation in hypoxic neuro-2a cells
H. Malekinejad
Four-week oral toxicity study of p-nitrophenol, p-aminophenol and p-nitroaniline in rats
X. Zhang
The acute toxicity and reproductive toxicity of p-nitrophenol, p-aminophenol and p-nitroaniline in mice
G. Wang
Expression of aryl hydrocarbon receptor gene battery in mammary and mast cell tumours of dogs
M. Giantin

08:00 PM FAREWELL PARTY AT MORITZBASTEI
PP1–PP8 ADVERSE DRUG REACTIONS / RISK ASSESSMENT

PP1 Overdose acceptance and tolerance of Lantharenol® in adult healthy cats (no167)
B. Schmidt

PP2 Safety and tolerance of Lantharenol® in adult healthy beagle dogs (no178)
B. Schmidt

PP3 Effects of oral curcumin on indomethacin-induced small intestinal damage in rats (no233)
A. Menozzi

PP4 Absence of toxicity of flubendazole administered orally in sows during mating, pregnancy and lactation (no266)
P. Richez

PP5 Comparative embriotoxicity of albendazole and fenbendazole in rabbits (no332)
B. P. S. Capece

PP6 New HPLC method for the determination of bromadiolone in chicken eggs (no15)
m. Giorgi

PP7 Sales and usage of veterinary antimicrobials for food producing animals in Switzerland in the year 2007 (no54)
C. R. Muentener

PP8 Evaluation of the sales data of „prudent use“ antimicrobials contained in veterinary medicinal products in the Czech Republic, trends and perspectives (no259)
L. Pokludová

PP9–PP40 ANTIBIOTICS

PP9 Pharmacodynamics of amoxicillin against Pasteurella multocida (no64)
G. Delis

PP10 Experimental clinical mastitis induced by Streptococcus uberis in lactating cows (no243)
O. Roy

PP11 Multiple drug resistance in canine Staphylococcus intermedius strains isolated in Italy (no217)
L. Interre

PP12 First Italian study on antibiotic resistance in haemolytic Escherichia coli strains from wild animals (no173)
V. Botti

PP13 Characterizations of methicillin-resistance Staphylococcus (MRSA) spp. isolated from animal hospitals in Korea (no288)
B.Y. Moon

PP14 Relatedness of ampicillin resistant Escherichia coli strains isolated from pigs during ampicillin treatment (no215)
D. Bibbal

PP15 Pharmacodynamics of amoxicillin in vitro and ex vivo against calf respiratory pathogens (no141)
J. Illambas

PP16 Update on the susceptibility of bacterial strains isolated from otitis externa in dogs to gentamicin, polymyxin B and marbofloxacin (2004-2007) (no75)
D. Rigaut

PP17 Comparative pharmacokinetics of the amoxicillin-clavulanic acid combination in broiler chickens and turkeys after single intravenous and oral administration (no309)
A. Jerske

PP18 In vivo investigation of marbofloxacin intestinal secretion: Effects of the efflux transporters in pigs (no326)
M. Laurenti

PP19 Integration and modelling of pharmacokinetic and pharmacodynamic data for marbofloxacin in calves (no74)
T. Potter

PP20 PK-PD modelling of marbofloxacin in the presence and absence of tolfenamic acid in two ruminant species (no124)
P. K. Sidhu

PP21 Efficacy of intramammary treatment with cloxacinil alone or in combination with ampicillin for mastitis caused by penicillin-resistant Staphylococcus aureus (no6)
K. Mustonen

PP22 Pharmacokinetics of chlortetracycline following intravenous administration in healthy chickens (no151)
F. Gamboa

PP23 Disposition of difloxacin and its metabolite sarafloxacin in healthy chickens (no149)
F. H. Suarez

PP24 Pharmacokinetics of ceftiofurine in lactating cows after intramammary administration in healthy and infected animals (no169)
P. Cagnardi
PP25 Pharmacokinetics of oxytetracycline after multiple doses to pigs (no268)
E. Ramos

PP26 Penetration of enrofloxacin into the nasal secretions in healthy pigs. Relationship between nasal secretions and plasma enrofloxacin concentrations (no40)
C. Cambier

PP27 Bioequivalence of three preparations of enrofloxacin in chickens after a single oral dose administration (no297)
K.-J. Lee

PP28 Gender related differences in the pharmacokinetics of antibiotics in poultry (no81)
L. Lashev

PP29 Pharmacokinetics of oxytetracycline after single oral dose to pigs (no148)
E. Ramos

PP30 Methicillin resistant Staphylococcus sp. isolated from donkey’s milk in sicily: Preliminary study (no242)
F. Naccari

PP31 Impact of marbofloxacin dosing regimen on intestinal flora in a dinexic rat model with Klebsiella pneumoniae lung infection (no241)
A. S. Kesteman

PP32 Lack of transcutaneous passage of gentamicin and miconazole through the skin of the canine ear pinna (no56)
X. Rey-Olguín

PP33 Comparative pharmacokinetics of metronidazole in rats, pigeons, and turkeys (no253)
M. Switala

PP34 Clinical pharmacokinetics of a florfenicol-tylosin combination after intravenous and intramuscular administration in dogs (no168)
K. E. Young

PP35 Clinical pharmacokinetics of orbifloxacin in beagle dogs after a single intravenous and intramuscular administration (no165)
E. Gebru

PP36 Preliminary kinetic data on flumequine after oral administration to gilthead sea breams (Spa-rus aurata, Linnaeus 1758) (no146)
I. Arez

PP37 Pharmacokinetics of enrofloxacin and its metabolite ciprofloxacin after intravenous and intramuscular administration in donkeys (no112)
S. Sekkin

PP38 Kinetics of bactericidal activity of gentamicin against staphylococcus intermedius strains isolated from cases of otitis externa in dogs (no77)
D. Rigaut

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SUNDAY, 12 JULY 2009

EAVPT ICEBREAKER AT NEW CITY HALL

Leipzig is a city that combines tradition and scientific advance perhaps more than any other. One of its famous sights is “Neues Rathaus” (“New City Hall”). The seat of Leipzig City Council, was built in around 1900 on the foundations of the former Pleissenburg Castle, the scene of Martin Luther’s 1519 Leipzig disputation.

At 07:00 pm you’ll be awaited at New City Hall. We invite you for a nice and formless evening to welcome you in Leipzig and to the 11th International Congress of the EAVPT.

Public transport:
Tram no. 9 – stop “Martin-Luther-Ring” or
Tram no. 10/11 – stop “Wilhelm-Leuschner-Platz”

MONDAY, 13 JULY 2009

SHORT WALKING TOUR OF LEIPZIG

At 08:00 pm you will be picked up by a tour guide for a walking tour of the trade-fair town. See the sights of Leipzig, such as St. Thomas Church (where Johann Sebastian Bach worked and is buried), the Mädlerpassage arcade and the Old Town Hall, or enjoy the view from atop the “Cityhochhaus” high-rise. Then stop for a short break at the Arabischer Coffebaum, the oldest café and restaurant in town, before continuing on your walk through the historic city center.

The walking tour is included in the registration fee.

Meeting point:
Seaside Park Hotel Leipzig or The Westin Leipzig

THURSDAY, 16 JULY 2009

FAREWELL PARTY AT MORITZBASTEI

Leipzig certainly has a colourful history! The Moritzbastei is the only remaining part of the city’s old fortifications. Buried beneath debris for decades, in the 1970s students began clearing it and converted it into a club.

Starting at 08:00 pm, the evening will include some tasty delicacies reflecting regional cuisine as well as entertainment. There is no better way to spend a July evening.

Public transport:
All trams with stop “Wilhelm-Leuschner-Platz” or “Augustusplatz”

TUESDAY, 14 JULY 2009

EVENING IN THE ZOO LEIPZIG

At 07:00 pm Dr. Jörg Junold, director of the zoo, will welcome you at the Konzertgarten. Afterwards, you might explore the zoo on your own. The curators of the zoo will be available for providing detailed information and answering your questions at different buildings.

Later, we’ll be awaiting you for dinner at the Kiwara Lodge, where the evening will close with some delightful cuisine, exotic drinks and traditional African music.

Public transport:
Tram no. 12 – stop “Zoo”
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selectavet
Synelvia
sysmex
TRIVERITAS
Vétoquinol
Vésigny de Passion
WDT
ZOO Leipzig
**EXHIBITION AREA – FLOOR PLAN**

1. KoVet (Koordinationsstelle für Veterinär-klinische Studien)
2. EAVPT / ECVPT-Information booth
3. CEBIPHAR
4. AVOGADRO
5. KLIFOVET AG
6. VETIDATA
7. Ondax Scientific, S.L.
8. Sysmex Europe GmbH
9. Intervet/Schering-Plough Animal Health
10. Synelvia SAS
11. Harlan Laboratories
12. ABL Analytical Biochemical Laboratory
13. Farma Research Animal Health B.V.
14. Charles River

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**Forthyron®**

Marktführer zur Therapie der Hypothyreose des Hundes

- Das bewährte erste Tierarzneimittel mit dem Wirkstoff Levothyroxin-Natrium
- Die 400 µg-Tablette erleichtert die Versorgung größerer Hunde
- Und die 200 µg viertelbare Tablette für die exakte Dosierung bei kleinen Hunden

- Bewährte Initialdosis: 2 x 10 µg/kg KGW, danach individuelle Tagesdosis
- Praktische Lagerung bei Raumtemperatur
- Einfache Gabe gleichbleibend mit oder ohne Futter
- Präzise Teilbarkeit

GENERAL INFORMATION

ORGANIZER
Universität Leipzig
Faculty of Veterinary Medicine
Institute of Pharmacology, Pharmacy and Toxicology
An den Tierkliniken 15
04103 Leipzig, Germany

CONFERENCE OFFICE

event lab.
Klein & Störmer GbR
Talstraße 30
04103 Leipzig, Germany
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fax: +49 (341) 479 17 80
e-mail: info@eavpt2009.de

CONGRESS DATES/ OPENING HOURS REGISTRATION DESK

Sunday July 12, 2009 03:00 pm–05:30 pm
Monday July 13, 2009 07:30 am–06:30 pm
Tuesday July 14, 2009 08:00 am–06:30 pm
Wednesday July 15, 2009 08:00 am–06:30 pm
Thursday July 16, 2009 08:00 am–06:30 pm

SPEAKERS PREVIEW
The speakers preview room, lecture hall 8 (level +2), will be open all time during the conference. Please come to the speakers preview room as soon as possible and no later than 30 minutes before your session starts. Presentations will be collected and delivered to the lecture hall via the computer network.

LANGUAGE
The official language of the congress is English.

PARTICIPATION/BADGES
Official congress name tags will be required for admission to all congress functions, scientific sessions and exhibition areas. Individuals who lose their name tags will have to pay a fee of 25 € to obtain a replacement tag.

EXHIBITION INFORMATION
The exhibition of the 11th International EAVPT Congress will be located in the foyer areas of the Congress Center, floor +1.
The exhibition will be open from July 13, 2009 to July 16, 2009, 08:30 am–06:00 pm.

POSTER PRESENTATION
The poster exhibition will be situated in the Conference Center, floor +1. Please refer to the detailed scientific programme for the poster presentations.
Materials for putting up the posters will be provided. Poster presentation times at which the presenter must be available for discussion are scheduled from Monday to Thursday. Posters must be taken down by Thursday evening (July 16, 2009). Please note that posters, which have not been taken off, will be discarded.

PUBLIC TRANSPORT
You are authorized to use public transport (within Leipzig and including airport) with your official congress name tag for the duration of the meeting, 12-17 July 2009.
Please make sure to have it with you all the time.
Also, please be aware that you might be asked by the conductors to present your ID card.

WE MAKE YOUR CONFERENCE A SUCCESS TO REMEMBER.

EVENT LAB.
Comprehensive Concept Development
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Personalised Participants Servicing
Complete Conference Materials
Class A Evening Programmes
Effective Sponsoring

event lab. Klein & Störmer GbR
Address: Talstraße 30, D-04103 Leipzig
Telephone: ++49 (341) 401 19 36  Fax: ++49 (341) 479 17 80
eMail: info@eventlab.org  www.eventlab.org
HOTELS
1. Hotel Westin Leipzig *****
2. Seaside Park Hotel ****
3. Vivaldi Hotel ***
4. Ibis Leipzig Zentrum **
5. Hotel im Sachsenpark ****
6. art’otel leipzig city center ****
7. Victor’s Residenz Hotel ****
8. NH Leipzig Messe ****
9. Novotel Leipzig City ****
10. Congress Center Leipzig
11. Zoo
12. Moritzbastei
13. Neues Rathaus

LOCATIONS
A. Congress Center Leipzig
B. Zoo
C. Moritzbastei
D. Neues Rathaus

Map of the Zoo

Valid as of 07/2008

Tramstop
First-Aid-points
Safari Office, Safari shops Elephant temple** and Pongoland**, Kiwara Lodge, goods entry/reception

* handycapped accessible
** Easter until 31 October only

On nature’s trail.
Hop on and hold on tight: The Safari Truck simulates an adventure trip to the world of African apes.

After-hours exit

Recommended round trip

For more information: Visit the Safari Office or one of the Safari shops at the Founder’s Garden (open all year).

Safari shop at the Founder’s Garden (open all year), Safari shops at the Jungle village Pongoland and Elephant temple**, photo service**

Find important information in the Safari Office, such as the animal feeding schedule and the opening times for the various attractions.