

PASTEUR INSTITUTE | ATHENS | GREECE



FINAL COMBAR CONFERENCE

Combatting anthelmintic resistance
in ruminants: **options for the future**

PROGRAM

www.combar-ca.eu

COMBAR
combatting anthelmintic
resistance in ruminants

12.00 — 13.00 REGISTRATION

13.00 — 14.00 **LUNCH**

Poster session

FINAL CONGRESS

14.00 — 14.10 Welcome by local organiser **Smaro Sotiraki**

14.10 — 14.40 COMBAR - from past to present
Johannes Charlier

14.40 — 15.00 Poster introduction (1 min per poster)

15.00 — 15.30 **KEYNOTE:** Preparing future veterinarians to implement integrated gastrointestinal nematode control in small ruminant farms
Felipe Torres-Acosta

15.30 — 16.00 **COFFEE BREAK** Poster session

ORAL PRESENTATIONS (8 mins+2mins discussion)

16.00 — 17.30 Increasing importance of anthelmintic resistance in European livestock: creation and meta-analysis of an open database
Hannah Rose Vineer

Validation of the image-based FECPAKG² system for counting sheep nematode eggs with a sensitivity of 5 epg
Claire Reigate

Eprinomectin-resistant *Haemonchus contortus* strains in French dairy sheep farms: can we balance pastoral traditions and control of gastrointestinal nematodes?
Sophie Jouffroy

Exposure to *Ostertagia ostertagi* in Austrian dairy cattle: Preliminary results
Pena Espinoza Miguel Angel

A novel benzimidazole derivative shows in vivo anthelmintic activity against *Haemonchus contortus* in gerbils and sheep
Maria Martínez Valladares

High endoparasitic burden in cattle grazed on alpine pastures
Barbara Hinney

Geographical and temporal diversity of parasite prevalence revealed by computer modelling
Tong Wang



Social dinner offered by



**Boehringer
Ingelheim**

09.00 — **09.30** **KEYNOTE:** The drivers of change in animal farming management decisions: a systems- based approach
Constantine Iliopoulos & Irini Theodorakopoulou

WG 1: DIAGNOSIS

09.30 — **10.30** Achievements and prospects
Laura Rinaldi, Georg von Samson-Himmelstjerna

ORAL PRESENTATIONS (8 mins+2mins discussion)

10.30 — **11.30** Genome-wide analysis of the response to ivermectin treatment by a Swedish field population of *Haemonchus contortus*
Paulius Baltrusis

Occurrence of benzimidazole resistant *Haemonchus contortus* in Norwegian sheep, detected by droplet digital PCR
Maiken Gravdal

Detection, confirmation, and characterisation of fenbendazole resistance in *Ostertagi ostertagia* in clinically affected grazing dairy calves in Great Britain
Natalie Jewell

Delineating the species-specific impact of four anthelmintic classes on gastrointestinal nematodes on 52 sheep farms in the U.K.
Paul Airs

11.30 — **12.00** **COFFEE BREAK** Poster session

WG 2: SOCIO-ECONOMIC ASPECTS

12.30 — **13.00** Achievements and prospects
Edwin Claerebout

ORAL PRESENTATIONS (8 mins+2mins discussion)

13.00 — **13.30** The veterinarians' perspective regarding pasture parasites in Norwegian sheep and cattle, a questionnaire study (tbc)
Caroline Nedrelid

Sustainable gastrointestinal parasite control in dairy cattle: educational tools for veterinarians and farmers
Damien Achard

Sheep deworming strategies and AR in Sweden - insights from a national survey and wildlife nemabiome analysis
Peter Halvarsson

13.30 — **14.30** **LUNCH** Poster session + group picture

14.30 — **15.00** **KEYNOTE:** The presence of veterinary drugs in agricultural soils and their interactions with the soil microbiota: toxicity, microbial degradation and bioaugmentation approaches to avert environmental pollution
Dimitrios Karpouzaz

15.00 — 16.00

WG 3: INTERGRATED CONTROL

Achievements and prospects

Eric Morgan, Herve Hoste

16.00 — 16.30

ORAL PRESENTATIONS (8 mins+2mins discussion)

Essential oil as natural anthelmintic for combating sheep gastrointestinal nematodes

Mohamed Helal

Plant supplementation combined with Targeted Selective Treatment in goat famers from Botswana: a survival analysis approach

Javier Ventura-Cordero

In vitro and in vivo anthelmintic efficacy of essential oil of *Satureja montana* (L.) against gastrointestinal nematodes of sheep

Filip Štrbac

16.30 — 16.45

COFFEE BREAK Poster session

16.45 — 18.45

Management committee Meeting (only MC members)



19.30

Social dinner offered by



09.00 — 09.30

KEYNOTE: DISARM - a thematic network on disseminating innovative solutions for antibiotic resistance management: achievements and reflections

Erwin Wauters

09.30 — 10.30

Overall discussion: "We can't stop now"

Moderator: **Smaro Sotiraki**

Panel members: WG leaders

10.30 — 11.00

ORAL PRESENTATIONS (8 mins+2mins discussion)

Investigation of eprinomectin resistance in gastrointestinal strongyles on a dairy goat farm in Northern Serbia

Stanislav Simin

Improving burden estimation of gastro-intestinal strongyles to target whole-group treatments and to preserve anthelmintic efficacy in small ruminants in Italy

Anna Maurizio

STAR-IDAZ International Research Consortium: Global coordination of animal disease research

Madeline Newman

11.00 — 11.30

Going beyond COMBAR

Johannes Charlier

11.30 — 12.00

COFFEE BREAK GOODBYE

WED
09
MARCH