

PASTEUR INSTITUTE | ATHENS | GREECE



## FINAL COMBAR CONFERENCE

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

PROGRAM

[www.combar-ca.eu](http://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 FECPAKG<sup>2</sup> 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 Karpouzias**

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 farmers 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