

## **Abstract for RACE Program**

**Program Title:** Clinical (and Practical) Antimicrobial Stewardship in dogs and cats

**Program Description:**

This case-based session will summarize key aspects of antimicrobial stewardship (AMS) and provide resources for practical AMS incorporation into clinical management as related to dogs and cats. Recent peer-reviewed literature on common clinical AMS topics will be discussed.

By the end of the session participants should feel comfortable and confident facing off against common (and emerging) infectious diseases, and well-equipped with expert- and evidence-based resources to assist with case management (and pet-owner communication) on clinical AMS and One Health concerns.

**Program Agenda:**

1. Current definitions and clinical descriptions of key terminology: antimicrobials, antimicrobial resistance (AMR), antimicrobial stewardship (AMS), One Health
2. Provision of AMS resources and discussion of their clinical utility
3. Case examples to highlight terminology and timely incorporation of AMS resources into practical day to day management of common clinical companion animal disease and prevention
4. Discussion of recent peer-reviewed AMS literature

**Learning Objectives:**

1. Learning outcomes: The session will focus on the following key outcomes:
  - a. Antimicrobial Stewardship
  - b. One Health
  - c. Preventive care
2. Learning objectives: By the end of the session attendees will:
  - a. Recall Evidence- and expert-based guidelines for:
    - i. Antimicrobial stewardship
    - ii. Urinary antimicrobial guidelines
    - iii. Gastrointestinal parasites
    - iv. Preventive care
  - b. Feel updated on:
    - i. Antimicrobial therapy of urinary tract infections
    - ii. Recent information on hookworm multi-drug resistance (MDR)
  - c. Understand & apply actionable clinical antimicrobial stewardship