



International Alliance for  
Biological Standardization

## Avoiding Antimicrobial Resistance: Veterinary Use of Phages for Prevention, Therapy and Control of Bacterial Infections

November 19-20, 2024  
Virtual Meeting

### **Phage therapy in companion animals: which way for an efficient treatment?**

Phage therapy has garnered increasing interest as an alternative or complementarity to conventional antibiotics, particularly in the context of antimicrobial resistance (AMR). This presentation will explore the potential of phage therapy for managing bacterial infections in companion animals. Companion animals encompass dogs and cats but also other animals such as rabbits, horses, rats, birds. The close contacts between these animals and Human and the sharing of bacteria from their microbiota, including the exchange of AMR genes, make it essential to develop efficient treatment against MDR bacteria but also to pay attention to the resistance that could occur against these new treatments. Even if cases are reported, the literature on phage therapy in companion animals is scarce but transposition from human medicine can easily be made in this context. This talk will present a series of cases going through otitis or uterine infection in dogs to osteoarticular implant infection in cats and cutaneous infection in horses.