



4th Symposium on Antimicrobial Resistance in Animals and the Environment (ARAE 2011)



June 27-29, 2011

Vinci - International Convention Centre Tours Val de Loire - Tours - France

We are pleased to announce the 4th Symposium on Antimicrobial Resistance in Animals and the Environment (ARAE 2011) which will be held at the International Convention Centre Tours Val de Loire - France (<http://www.vinci-conventions.com>)

The aim of the ARAE 2011 conference is to present a global vision of the impact of the use of antibiotics in livestock and their environment. All aspects related to pharmacology, epidemiology of resistant animal and zoonotic pathogens, mobile elements containing resistance genes, emerging antimicrobial resistance mechanisms, common aspects to virulence and antimicrobial resistance, and the role of the environment as a source of resistance genes transfer and dissemination will be discussed.

5 sessions

- **Monitoring and molecular epidemiology of antimicrobial resistance**

Keynote speaker: Shabbir Simjee (UK)

"CEESA - Logistics of a Pan European resistance monitoring program encompassing foodborne pathogens, commensal bacteria and target pathogens of bovine, swine and poultry origins: is it all worth it?"

Keynote speaker: Stefan Schwarz (Germany)

"Molecular analysis of emerging antimicrobial resistance properties among bovine *Pasteurella multocida*"

- **PK/PD modelling and the rational selection of dosage regimens for the prudent use of antimicrobial drugs**

Keynote speaker: Rob Hunter (USA)

"Biowaivers, bioequivalence, and antimicrobials »

- **Role and prevalence of antibiosis and the related resistance genes in the environment**

Keynote speaker: Rustam I. Aminov (UK)

"The role of antibiotics and antibiotic resistance in nature"

- **Emerging antimicrobial resistance mechanisms in animal and zoonotic pathogens**

Keynote speaker: Neil Woodford (UK)

"ESBLs and carbapenemases in human clinical microbiology: do farms play a role?"

- **Antimicrobial resistance and virulence common themes**

Keynote speaker: Ad C. Fluit (The Netherlands)

"Genetic variation, virulence, and antimicrobial resistance of live-stock associated methicillin-resistant *Staphylococcus aureus* ST398"

<http://www.arae2011.com>

International Scientific Committee: R. I. Aminov, S. Baucheron, A. Cloeckaert, B. Doublet, A. C. Fluit, E. Giraud, R. Hunter, J.Y. Madec, M.R. Mulvey, S. Nazaret, L. Poirel, S. Schwarz, S. Simjee, P.L. Toutain, M. Vallé, N. Woodford, M. S. Zygmunt

Scientific Contact: Axel.Cloeckaert@tours.inra.fr

