

BIOGRAPHY

6 July 2012



Title and name

Prof. Dr. Carlo Stefano Nebbia

Nationality

Italian

Panel

Contaminants in the Food Chain

Education

2003 : European College of Veterinary Pharmacology and Toxicology, Specialist in Veterinary Pharmacology and Toxicology

1983 : Specialist in Food Inspection, University of Turin

1980 : Degree in Veterinary Medicine (cum laude), Faculty of Veterinary Medicine of Turin.

Scientific and risk assessment experience

- Xenobiotic biotransformations in target species
 - Bioactivation mechanisms
 - Protein and gene biomarkers of exposure to illicit growth promoters and environmental contaminants
 - Risk assessment of zootechnical additives, trace and heavy metals, polyhalogenated compounds, natural toxins (phyto- and mycotoxins)
-

Main scientific publications

Peer-reviewed papers are mainly focused on xenobiotic metabolism and xenobiotic metabolising enzymes expression and modulation at protein and gene level in farm and laboratory animals, as well as on the development of biomarkers of the exposure to contaminants and illicit growth promoters.

- Nebbia C, 2012. Factors affecting chemical toxicity. In: Veterinary Toxicology. Ed Gupta R. Academic Press, New York, 48-61.

- Di Meo GP, Perucatti A, Genuardo V, Caputi-Jambrenghi A, Rasero R, Nebbia C and Iannuzzi L, 2011. Chromosome fragility in dairy cows exposed to dioxins and dioxin-like PCBs. Mutagenesis, 26, 269-272.

- Nebbia C, Urbani A, Carletti M, Gardini G, Balbo A, Bertarelli D and Girolami F, 2011. Novel strategies for tracing the exposure of meat cattle to illegal growth-promoters. The Veterinary Journal, 189, 34-42.

- Girolami F, Spalenza V, Carletti M, Perona G, Sacchi P, Rasero R and Nebbia C, 2011. Gene expression and inducibility of the aryl hydrocarbon receptor-dependent pathway in cultured bovine blood lymphocytes. Toxicology Letters, 206, 204-209.

- Della Donna L, Ronci M, Sacchetta P, Di Ilio C, Biolatti B, Federici G, Nebbia C and Urbani A, 2009. A food safety control low mass-range proteomics platform for the detection of illicit treatments in veal calves by MALDI-TOF-MS serum profiling. *Biotechnology Journal*, 4, 1596-1609.
 - Cantiello M, Giantin M, Carletti M, Lopparelli RM, Capolongo F, Lasserre F, Bollo E, Nebbia C, Martin PGP, Pineau T and Dacasto M, 2009. Effects of dexamethasone, administered for growth-promoting purposes, upon the hepatic cytochrome P4503A expression in the veal calf. *Biochemical Pharmacology*, 77, 451-463.
 - Giantin M, Carletti M, Capolongo F, Pegolo S, Lopparelli R, Gusson F, Nebbia C, Cantiello M, Martin P, Pineau T and Dacasto M, 2008. Effect of breed upon cytochrome P450s and phase II enzymes expression in cattle liver. *Drug Metabolism and Disposition*, 36, 885-893.
 - Gardini G, Del Boccio P, Colombatto S, Testore G, Corpillo D, Di Ilio C, Urbani A and Nebbia C, 2006. Proteomic investigation in the detection of the illicit treatment of calves with growth-promoting agents. *Proteomics*, 6, 2813-2822.
 - Nebbia C, Dacasto M, Rossetto Giaccherino A, Giuliano Albo A and Carletti M, 2003. Comparative expression of liver cytochrome P450-dependent monooxygenases in the horse and in other agricultural and laboratory species. *The Veterinary Journal*, 165, 53-64.
 - Nebbia C, 2001. Biotransformation enzymes as determinants of xenobiotic toxicity in domestic animals. *The Veterinary Journal*, 161, 238-252.
-