

## **Prof. Arcangelo Gentile**

Dipartimento Clinico Veterinario - Università di Bologna  
Via Tolara di Sopra 50  
40064 Ozzano Emilia - Bologna - Italia

### **Curriculum vitae**

GRADUATED in Veterinary Medicine in the year 1986; the degree was taken "summa cum laude".

AWARDED THE FOLLOWING PRIZES assigned by the University of Bologna:

- Prize "Lanfranchi prof. Alessandro" for the academic year 1985/86;
- Prize "Angelo Bonvicini" for the academic years 1985/87;
- Prize "Prof. Albino Messieri" for the academic year. OFFICIAL of the Military Veterinary Force.

RESEARCHER at the Veterinary Clinical Department of the University in Bologna from June the 1st 1990 to December the 31st 1998 .

REGULAR ASSOCIATE PROFESSOR of Veterinary Clinical Investigation at the Veterinary Clinical Department of the University in Bologna from November 1998 to September 2005.

FULL PROFESSOR of Veterinary Clinical Investigation at the Veterinary Clinical Department of the University in Bologna from October 2005 up to today.

COLLABORATOR (from 1998) OF THE CLINIC FOR RUMINANT of the University of Munich (Germany) in the context of a project of research on the ruminal acidosis in calves and on the metabolism of D-lactic acid.

The collaboration has been supported by: scholarship of the Italian National Research Center (C.N.R.); award "Prof. Umberto Gasparini" of the university of Bologna; fund from the CRUI in the context of the "Vigoni Project"; fund from the CNR in the context of the Scientific Program "Short term mobility"

DIPLOMATE OF THE EUROPEAN COLLEGE OF BOVINE HEALTH MANAGEMENT  
Treasurer in the board for the period 2004-2006 and 2007-2009.

COORDINATOR OF A SOLIDARITY PROJECT in Tanzania: "A glass of milk for the children of Hanga", in collaboration with the Italian group "SIVTRO", affiliated to Vétérinaires Sans Frontières Europe.

COORDINATOR OF A SOLIDARITY PROJECT of veterinary-teaching support at the Agro-Technical School of Hagaz, in Eritrea

MEMBER of the scientific committee of the XXII (Hannover, 2002), XXIV (Nizza, 2006), XXV (Budapest, 2008) and XXVI (Santiago – Chile, 2010) World Buiatrics Congresses, XXVI .

GENERAL SECRETARY of the Mediterranean Federation for Health and Production of Ruminants (FeMeSPRum) for the period 2001-2004 and 2005-2008.

MEMBER of the Executive Committee of the World Association for Buiatrics from 2008.

**ON THE REGISTRER of the INSPECTORS of the European Association of Establishments for Veterinary Education (EAEVE).**

Member of the expert team for the evaluation of the Faculty of Veterinary Medicine of Elazig (Turkey) in 2007 and of the Faculty of Veterinary medicine in Wroklaw (Poland) in 2009.

ON THE REGISTER of the consultants for the research in the agriculture of the italian "Ministero delle Politiche Agricole e Forestali" (DM n. 375 del 21 luglio 2003).

MEMBER of the commission for the recognition of the european PhDoctor-title at the faculty of Veterinary Medicine of the University of Santiago de Compostela (Lugo) in 2007 (proyecto de Tesis Doctoral de Dña Patricia Vazquez Chas) and in 2009 (proyecto de Tesis Doctoral de Don Ricardo Ignacio Vecillas Rojo).

TEMPORARY CHARGES OF TEACHING at the Faculty of Veterinary Medicine in Teramo from 1993 to 1999.

TEMPORARY CHARGES OF TEACHING at the Faculty of Veterinary Medicine in Bologna from 1997 to 1998.

PROFESSOR OF "VETERINARY CLINICAL INVESTIGATION" at the Faculty of Veterinary Medicine in Bologna from 1998.

#### LECTURES AT FOREIGN FACULTIES:

- February 6th 1997 at the Klinik für Rinderkrankheiten in Hanover (Germany), lecture on "Vergleichende Betrachtungen zur Pansenazidose beim Kalb, unter besonderer Berücksichtigung des Lactatmetabolismus"
- December 4th 1997 at the Klinik für Wiederkäuer und Schweine of Giessen (Germany), lecture on "Vergleichende Betrachtungen über die Pansenazidose beim Kalb, unter besonderer Berücksichtigung des D-Lactatmetabolismus"
- May 28th 2001 at the Veterinaermedizinische Universitaet in Vienna (Austria), lecture on " Neue Erkenntnisse der Pansenazidose beim Milchkalb."
- July 2nd 2007 at the Faculty of Veterinary Medicine in Belgrade (Serbia), lecture on "Genetic diseases of Cattle"
- October 16th 2007 at the Faculty of Veterinary Medicien VETSUISS Bern (Switzerland), lecture on "Ausgewahlte Erbfehler und kongenitale Defekte beim Rind".

#### INVITED SPEAKER ABROAD

- "Sindrome acidotico ruminal en bovinos lactantes y poligasticos", Lugo, Spagna, "IV Jornadas Internacionales de Ganado Vacuno", 24-25/10/1997;
- "Hallazgos semiologicos abdominales en la patologia gastrica y pregastrica del ganado vacuno", Lugo, Spagna, "V Jornadas Internacionales de Ganado Vacuno", 21-23/10/1999;
- "Il settore bovino in Italia, nei suoi indirizzi produttivi e problemi sanitari collegati", "Journée Tuniso-Italienne", 8-9/12/2001;
- "Bovine Spastic Paresis in the Italian Romagnola Race", Hajduszoboszlo, Ungary, "13° Magyar Buiatrikus Kongresszus" 10-12/10/2002;
- "Clinical experience in the pathology of veal calves", Hajduszoboszlo, Ungary, "13° Magyar Buiatrikus Kongresszus", 10-12/10/2002;
- "Ruminal drinking, D-Lactic acidosis and its involvement in calf diarrhea", Quebec City, Canada, 13/07/ 2004 "23° World Buiatric Congress".
- "Doenças dos vitelos e ambiente", Coimbra, Portugal, "VIII Jornadas da Associação Portuguesa de Buiatria, 23-24/10/2004;
- "Clinica e Patologia do vitelo de leite", Coimbra Portugal, "VIII Jornadas da Associação Portuguesa de Buiatria, 23-24/10/2004;

- “Inherited disorders of cattle”, Radenci, Slovenia, “VII Middle European Buiatrics Congress”, 29/03-01/04/2006;
- “Desordenes hereditarios en el bovino”, Paysandù, Uruguay, “XXXIV Jornadas Uruguayas de Buiatria”, 8-10/06/2006;
- “Experiencia clinica en la patologia del ternero lacero”, Paysandù, Uruguay, “XXXIV Jornadas Uruguayas de Buiatria”, 8-10/06/2006;
- “Acidosis ruminal en terneros lactantes”, Paysandù, Uruguay, “XXXIV Jornadas Uruguayas de Buiatria”, 8-10/06/2006.
- “Spasticna pareza – Stara, još uvek nedovoljno poznata bolest”, Banija Kanijza, Serbia, “5th Symposium on Feeding, Reproduction and Health Protection of Cattle” 4-7/07/2007.

FOREIGN LANGUAGES : fluent in german, English and spanish

## **SCIENTIFIC INTERESTS**

Scientific activity is dedicated above all on:

- METABOLIC DISEASES of the high producing dairy cows: (chetosis, ruminal acidosis)
- DISEASES OF THE LACTATING CALVES (veal calves): (diarrhea, ruminal drinking, metabolism of the lactic acid in the ruminal acidosis of the lactating calves). With regard to this topic of research a collaboration has been established with the II Medizinische Tierklinik of Munich, with the Clinic for Ruminants of Vienna and with the Clinic for Ruminant of Bern.
- GENETIC DISEASES OF CATTLE (coordinator of a group of research constituted by: Veterinary Clinical department, Department of Veterinary Public Health and Animal Pathology and DIMORFIPA of the University of Bologna, Department of Veterinary Clinical Sciences and Department of Experimental Veterinary Sciences of the University of Padova, Institute of Zootechny of the "Università Cattolica" of Piacenza, Institute of Zootechny of the University " La Tuscia " of Viterbo, ANAFI (Cremona), ANABIC (Perugia), ANARB (Verona), ANAPRI (Udine); Institut für Genetik-Vetsuisse-Fakultät (Bern-CH)

### COORDINATOR OF THE FOLLOWING FUNDED RESEARCH PROJECT

- 2009-2010, fund of the Regione Emilia Romagna “Genetic diseases in cattle, with special reference to the Paunch Calf Syndrome of the Romagnola breed” (60.000 Euro).
- 2008-2009, fund of the Regione Toscana (ARSIA) “Congenital Pseudomyotonia in Chianina cattle” (25.600 Euro).
- 2004-2005, fund of the University of Bologna “Aracnomelia in Brown calves: study of the clinical aspects, pathogenetical mechanisms and ereditariness in spontaneous and experimentally induced cases”(26.600 Euro).
- 2004-2005, fund of the University of Bologna “Genetic diseases of calves: study of the casistic at the Veterinari Clinical Department” (30.987 Euro for a scholarship).
- 2004-2005, fund of the Regione Emilia Romagna “Genetic diseases of calves: a program for harmonization and exchange of genetic recessives” (51.578,94 Euro).
- 2003-2004, fund of the MIUR (ex 40%) “Clinical and metabolic consequences of the hyperlactacidemia due to ruminal acidosis in lactating calves” (40.000 Euro).
- 2003-2004, fund of the University of Bologna: “Congenital neurodegenerative diseases in calves (48.000 Euro).
- 2002-2004, fund of the Regione Emilia Romagna: “Spastic Paresis in Romagnola cattle” (607.516.765 Lire).
- 1999-2002, fund of the University of Bologna “Study of the forestomach of calves and repercussion on general health in veal system” (120.000.000 Lire).

PUBBLICATIONS: more than 120

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