Prof. Dr. med. vet. Christine Wrenzycki

**University of Veterinary Medicine Hannover, Clinic for Cattle,
Reproductive Medicine Unit, Hannover, Germany**

Date of birth: December the 07th, 1963

Academic and scientific career:

10/1987 – 12/1992	Study of veterinary medicine at the University of Veterinary Medicine Hannover
01/1993	Licence to practice veterinary medicine
02/1993 – 04/1995	Doctoral research at the Institute for Animal Breeding (FAL), Department of Biotechnology, Mariensee
05/1995	Degree (Dr. med. vet.)
05/1995 – 08/2006	Senior scientist at the Institute for Animal Breeding (FAL), Department of Biotechnology, Mariensee
09/2006 – 09/2008	Senior scientist at the Clinic for Cattle, University of Veterinary Medicine Hannover
05/1997	Specialist in Reproductive Medicine
10/2001	Specialist in Molecular Genetics and Gene Technology
06/2003	Habilitation "Reproductive medicine and Biotechnology"
Since 10/2008	W2 professorship, Biotechnology of reproduction at the University of Veterinary Medicine Hannover

Main research interests:

- Reproductive biotechnology (i.e. OPU, IVP, ET)
- Maternal and embryonic gene expression in bovine oocytes and early embryos
- Environmental effects on oocyte and embryo quality
- Epigenetic reprogramming during early development

Selected papers:

[1] M. Nowak-Imialek, **C. Wrenzycki**, D. Herrmann, A. Lucas-Hahn, I. Lagutina, E. Lemme, G. Lazzari, C. Galli and H. Niemann (2008): Messenger RNA expression patterns of histone-associated genes in bovine preimplantation embryos derived from different origins. Molecular Reproduction and Development 75, 731-743

[2] **C. Wrenzycki**, D. Herrmann, and H. Niemann (2007): Messenger RNA in oocytes and embryos in relation to embryo viability. Theriogenology 68, S77-83

[3] K. M. Morton, D. Herrmann, B. Sieg, C. Struckmann, W.M.C. Maxwell, D. Rath, G. Evans, H. Niemann and **C. Wrenzycki** (2007): Altered mRNA expression patterns in bovine blastocysts after fertilization in vitro using flow-cytometrically sex-sorted sperm. Molecular Reproduction and Development 74, 931-940

[4] C. Gebert, **C. Wrenzycki**, D. Herrmann, D. Groger, R. Reinhardt, P. Hajkova, A. Lucas-Hahn, J. Carnwath, H. Lehrach, and H. Niemann (2006): The bovine IGF2 gene is differentially methylated in oocyte and sperm DNA. Genomics 88, 222-229

[5] **C. Wrenzycki**, D. Herrmann, A. Lucas-Hahn, K. Korsawe, E. Lemme, and H. Niemann (2005): Messenger RNA expression patterns in bovine embryos derived from in vitro procedures and their implications for development. Reprod Fertil Dev. 17, 23-35

[6] **C. Wrenzycki**, D. Herrmann, and H. Niemann (2003): Timing of blastocyst expansion affects spatial expression patterns of developmentally important genes in bovine blastocysts produced in vitro. Biology of Reproduction 68, 2073-2080

Wykład pt " Embryo quality in relation to origin of oocytes and embryos" w dniu 6.05.2009