

# Curriculum vitae for Adroaldo Jose Zanella

Name: Adroaldo Jose Zanella

Birth date: 16 March 1962

## **Doctoral degree**

1992 Ph.D., Animal Behaviour and Welfare, University of Cambridge, UK. Sow Welfare indicators and their inter-relationships. Supervisor Professor Donald M. Broom.

## **Post-doctoral period:**

1992-1995 Research Associate, Institut für Tierhygiene, Verhaltenskunde und Tierschutz der Ludwig-Maximilians-Universität München, Schwere-Reiter-Str. 9, 80797 München, Germany. I developed the research program in animal welfare with the focus of brain measures of welfare and non-invasive markers of stress. I was in charge of the laboratories handling stress biomarkers. I have also co-supervised graduate studies of Dirk Lebelt, Sandra Schonreiter and Suzanne Lauer

## **Work experience prior to doctoral degree:**

1983 Research Scientist, Instituto de Pesquisas Veterinárias Desidério Finamor, Vila Sans Souci, Guaíba, RS, Brazil. I developed research on sheep and cattle diseases. My major focus was on anaerobic pathogens causing diseases.

1986 Veterinary Surgeon, Consultant for ACARESC/EMATER, Rodovia 404, Bairro Itacorubi, Florianópolis SC, Brazil. I coordinated the outreach and research programs in outdoor pig production in the State of Santa Catarina.

1988 Veterinary Surgeon, Department of Clinical Veterinary Medicine, Madingley Road, CB3 OES Cambridge, UK. As a Ph.D candidate, with a DVM degree, I was in charge of the veterinary work at the swine research facility. In addition I provided instruction to veterinary students on pig medicine.

## **Faculty positions :**

1996\* Assistant Professor, Ethology & Environmental Physiology, Department of Animal Science, Michigan State University, East Lansing, MI., USA

2001\* Associate Professor, Ethology & Environmental Physiology, Department of Animal Science, Michigan State University, East Lansing, MI, USA.

2003\* Associate Adjunct Professor, Department of Large Animal Clinical Science, Michigan State University, East Lansing, MI, USA.

\*At Michigan State University (1996-2006) I created the animal behaviour and welfare group. Over the course of 10 years I supervised the MSc degrees of Lorrie Brundige, Madonna Gemus, Miyuki Tauchi, Yan Yuan, Elisete Rivera, Christel Moons, Rosangela Poletto, Beth Munsell, Jarno Jansen. I supervised the Ph.D. programs of Camie Heleski, Adriana Silveira de Souza and Patricia Almeida. I also hired and supervised the work of the post-doctoral fellows Dr. Kisty Laughlin and Dr. Janice Siegford and Michigan State University. At Michigan State University I taught undergraduate students and graduate students. I also

developed a on-line teaching program in animal welfare. The focus of my program was the development of non-invasive markers of stress, studies on brain measures of animal welfare, early-environment and behavioural development and attitudes toward animal welfare.

### **Current position :**

- 2006\*\* Professor of Animal Welfare, Department of Production Animal Clinical Sciences, Norwegian School of Veterinary Science, Oslo, Norway
- 2006\*\* Adjunct Professor (Professor II), Department of Animal and Aquacultural Sciences, Norwegian University of Life Sciences

\*\* We are developing integrative approaches to assess animal welfare. Our goal is to study the consequences of stress, resulting from disease, pain and other welfare challenges, at different stages of development, on brain organization and emotional regulation using non-invasive protocols. The study of mechanisms associated with the control of positive and negative emotional states in animals is central to our teaching, research and outreach programs. Our long-term objective is to identify and to minimize the sources and consequences of stress and poor welfare and to promote good welfare in a variety of species, including humans. It is our goal to use brain imaging techniques such as PET (Positron Emission Tomography) and MRI/fMRI to study brain measures of animal welfare. In collaboration with other scientists in the department I am supervising four Ph.D. students: Camilla Kielland, Solveig Stubsjøen, Karianne Daae and Sophie Hild. I am also mentoring the research activities of the senior researcher Dr. Randi Moe. The four Ph.D. projects cover the areas attitudes toward animal welfare, indicators of animal welfare, early-environment and animal welfare and social environment and animal welfare.

### **Academic merits/awards:**

- Feb. 1986-March 1987 Specialization sponsored by CNPq. National I Research Council.
- Feb. 1988-April 1991 Ph.D Program, sponsored by CNPq National Research Council
- August 2003 CRMV-1 -Brazilian Council of Veterinary Surgeons- Veterinarian of the Year Animal Welfare Award
- April 2006 Honourable Award, "SBC award", for the online interactive animal welfare course

### **Publications**

I have published 54 papers in refereed journals, as well as 3 book chapters