

## **Special Lecture: Scientific Session 1**

**Thursday, 2 December, 2010**

**Time: 09:10-10:15**

### **Laboratory Animal Science: A basic need for other biomedical sciences**

*The use of animals in experimental research parallels the development of medicine, which had its roots in ancient Greece. The increasing demand for high-standard animal models, together with a critical view of the way animals are used, has led to the development of a multidisciplinary branch of science we now know as 'Laboratory Animal Science'. The guiding principles are Replacement, Reduction and Refinement, first proposed by Russell and Burch in 1959. When animals are used, the people involved have an obligation to safeguard their welfare and minimise discomfort; this will also generally be beneficial for both the animal and the experimental outcome.*

*The ability of an animal to cope with the environment and exert control over its life seems to be crucial for animal welfare. In this presentation, attention is paid to environmental factors affecting welfare, legislative requirements, humane endpoints and education in Laboratory Animal Science.*

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- 2001-2007
- Professor in Laboratory Animal Science, Karolinska Institute, Stockholm
  - Laboratory Animal Specialist, Utrecht University and Utrecht University Medical Centre, The Netherlands
  - Research on housing and welfare of laboratory animals at Utrecht University and Karolinska Institute, Stockholm

#### *Professional Organizations*

- Dutch Association for Laboratory Animal Science (NVP) (*Secretary 1984-1987, President 1987-1993*)
- Federation of Laboratory Animal Science Association (FELASA) (*Member 1985-1990, Secretary 1990-1994, Vice-president 1994-1995*)
- International Council for Laboratory Animal Science (ICLAS) (*Scientific member 1990-1995, national member from 1995*)
- EU working party on Euthanasia of Laboratory Animals (*Member from 1996*)
- European College of Laboratory Animal Medicine (*Member of steering group from 1998; charter diplomat from 2000, secretary 2000-2007*)
- Representative of the Federation of Veterinarians of Europe (FVE) in Multilateral Consultation of parties to the European Convention for the protection of vertebrate animals used for experimental and other scientific purposes, of the Council of Europe, Strasbourg, (*Member from 1994-2002*)
- Rodent and Rabbits Expert Group of the Council of Europe for the revision of the Convention ETS 123 Appendix A (*Member 1998-2003*)
- Editorial Council Baltic Journal of Laboratory Animal Science (2001-2005) and Journal of Applied Animal Welfare Science (2003-2007)
- COST B24 Working Group (Member from 2002)
- Council of Management Journal Laboratory Animals (2002-)