
Curriculum Vitae for Birgitta Malmfors – January 2012

Swedish University of Agricultural Sciences (SLU), Dept of Animal Breeding and Genetics,
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Academic Degrees

Associate Professor (Docent competence) in Animal Breeding, 1979.

PhD (Doctors degree) in Animal Breeding, 1979.

- PhD thesis: Meat and fat quality of boars, gilts and castrates

MSc in Agriculture, major in Animal Science, 1969.

Positions and specific missions at SLU

- Associate Professor (employment), Dept of Animal Breeding and Genetics, SLU, Uppsala, since 1980.
- Lecturer Dept of Animal Breeding and Genetics, SLU, Uppsala, 1975–1979; Research assistant 1970-74.
- Director of Studies at the Dept of Animal Breeding and Genetics, SLU, 1978–2010.
- Director of Studies for the Animal Science specialization of the MSc Agriculture education program at SLU, 1996–2002. Chair of the Education Committee for this program in the same time period.
- Member of the Education Committee for the BSc/MSc Program in Agriculture at SLU, 1989–1993, 1996–2001, and the committee for Animal Science programs, 2003–2010 (vice chair 2003–2006).
- Representative of SLU in the Consortium for the Erasmus Mundus program “European Master in Animal Breeding and Genetics (EMABG) since 2007, and also study coordinator for EMABG students at SLU.
- Coordinator for regular Erasmus student exchange in Animal Science at SLU, 1992–2010.

Awards

- Award for eminent teaching skills (1985). Assigned by the Royal Swedish Academy for Agriculture and Forestry.
- Award for eminent contributions in education and training, especially for development and internationalization of teaching (2007). Assigned by the Swedish University of Agricultural Sciences.

Working memberships in Sweden (outside SLU)

- Elected member 1988 into the Royal Swedish Academy for Agriculture and Forestry (KSLA).
- Board member of KSLA, 1993–1996 (and also member of three KSLA committees).
- Member of Research Council of Sida (Swedish International Development Cooperation Agency), 1995–2000.
- Member of Sida’s Scientific Reference Group, grading research applications within the areas of Natural Resources and Environment, 1995–2000 (chair 1999–2000).

Working memberships internationally

- Euroleague for the Life Sciences (ELLS), Subject Area Animal Science, 2002–2008.
- EU-AFANet working group “Curriculum development in Animal Breeding and Genetics”, 2001–2003.
- Working Group on Higher Education of EAAP (European Association for Animal Prod), 1995–2005.
- Nordic Society of Agricultural Researchers (NJF), Committee for Higher Education 1983–1995.
- EAAP Working Group on research for the Use of Entire Male Pigs, 1974–2000. Chair 1981–1989.

Main working experiences

Activities in Sweden

- Main responsibility (as Director of Studies) 1978–2010 for teaching activities and educational development at BSc/MSc level within the Dept of Animal Breeding and Genetics, where teaching is provided in about 30 courses within 6 education programs at SLU, plus thesis projects at BSc and MSc level.
- Actively involved in continuous development of the BSc/MSc Program in Agriculture/Animal Science (1980–2010) concerning curriculum and teaching methods, as well as internationalization of course contents and student exchanges. Also involved in “self-evaluations” of the study program, and in study counselling.

- Regular and extensive own teaching in Animal Breeding and Genetics courses at BSc and MSc level at SLU, 1970–2011. According to students' course evaluations this teaching has been highly appreciated.
- Teaching scientific writing, oral presentation and poster presentation regularly to BSc and MSc students at SLU since 1980, and presently to students both within the Faculty of Veterinary Medicine and Animal Science and the Faculty of Natural Resources and Agricultural Sciences. Since 2007 teaching this also to all newly enrolled Erasmus Mundus EMABG students in their introduction course located to Wageningen University in The Netherlands. Also this teaching gets high marks in students' course evaluations.
- Supervisor of 4 PhD students (3 completed, 1 present) in the area of animal genetic resources in developing countries. Also member of evaluation committees at several PhD thesis defences.
- Own research in pig breeding, with main focus on meat quality (1970–1993).

Activities addressing Europe & North America

- Organiser and trainer in the EAAP workshop “Writing and Presenting Scientific Papers”, held annually in connection to the EAAP congress. First workshop at EAAP in Poland 1998, thereafter in Switzerland, Netherlands, Hungary, Egypt, Italy, Slovenia, Sweden, Turkey, Ireland, Lithuania, Spain, Greece, Norway. Next time in Slovakia 2012. The workshop is open also for participants outside Europe.
- Teaching “Communicating Science” in the course Today's research training - tomorrow's scientific quality, St Petersburg 2001. Participants: 45 PhD students from the Nordic and Baltic countries, and Russia.
- Initiator, organizer and trainer in a two-week training/refresher course for university teachers from the Baltic Sea Region (Estonia, Latvia, Lithuania, Poland, North-West Russia) to facilitate the development of university teaching on “Sustainable Use of Animal Genetic Resources” in those countries. Uppsala 1999.
- Visits (usually also giving presentations) to many universities in Europe and North America to discuss curricula, teaching methods and course contents in Animal Breeding and Genetics (ABG). Universities and research institutes involved in ABG in Estonia, Latvia and Lithuania visited during two weeks in 1997.
- Organiser of international symposia on animal science topics, as well as symposia on education. Has given own oral presentations at a number of international scientific conferences and symposia. Invited chair and organizer of the two sessions on Education and Training at the World Congress on Genetics Applied to Livestock Production, Leipzig 2010.

Activities addressing Developing Countries

- SLU project leader and also a trainer in the Sida supported project: “Capacity Building for Sustainable Use of Animal Genetic Resources in Developing Countries”, run in collaboration by ILRI (International Livestock Research Institute) and SLU since 1999. To date the project has included seven three-week training courses for university teachers and researchers from 31 countries in Africa and 15 countries in Asia. A number of planning and follow-up workshops have been held, and regional networks have been established. In addition, an Animal Genetics Training Resource (Web and CD) has been developed. The project activities, outcomes and impact are presented in a recent report (2011), see Publications.
- Science Communication one-week training course for university teachers in Nicaragua, 2010 and 2011.
- Project leader of the Sida/SAREC project “Development of Research and Research Training in Animal Breeding at Alemaya University of Agriculture, Ethiopia, 1993-1999. Also teaching a two-month MSc course on Animal Breeding in Ethiopia 1990 and 1992.
- Teaching annually 1999-2002 in the Swedish International Program on Animal Reproduction (SIPAR), Uppsala, addressing veterinarians and AI managers from developing countries.
- Visits and discussions at universities, research institutes, livestock farms etc in developing countries: Ethiopia 1988,2007; Vietnam 1997,2002; Uganda, Kenya, Tanzania, Zimbabwe, South Africa, Lesotho 1999; Ghana, Senegal 2001; Thailand, Laos, China 2002; Nicaragua 2003; Bangladesh, India 2004; Malaysia 2005; Brazil, Sri Lanka 2006; Nepal 2009.

Publications

Published about 30 scientific papers within Animal Breeding in international referee journals, about 30 papers at international conferences, and 20 popular science papers. Published a textbook on science communication, as well as textbook chapters on animal breeding and genetics, and also a number of teaching materials, such as compendia (some available on the web), exercises, video. Furthermore, deeply involved in the continuous development of the web based Animal Genetics Training Resource.

Some publications of special relevance for higher education (spread worldwide):

Malmfors, B., Garnsworthy, P. & Grossman, M. 2004. *Writing and Presenting Scientific Papers* (2nd ed.), 153 pp. Nottingham : Nottingham Univ. Press.

Ojango J.M.K., Malmfors, B. Mwai, O. and Philipsson, J. 2011. *Training the trainers – An innovative and successful model for capacity building in animal genetic resource utilization in Sub-Saharan Africa and Asia*. 44 pp. Nairobi: ILRI & SLU.

ILRI–SLU (International Livestock Research Institute – Swedish University of Agricultural Sciences). 2011. *Animal Genetics Training Resource, version 3*. Ojango, J.M., Malmfors, B. and Okeyo, A.M. (Eds). Available at: <http://agtr.ilri.cgiar.org>

Malmfors, B. 2006. *Teaching methods and science communication*, 44 pp. In: *Animal Genetics Training Resource, version 3*, 2011. Ojango, J.M., Malmfors, B. and Okeyo, A.M. (Eds). International Livestock Research Institute, Nairobi, Kenya, and Swedish University of Agricultural Sciences, Uppsala, Sweden
