

## Curriculum vitae, Lotta Rydhmer

<b>Name</b>	Lotta Rydhmer
<b>Title</b>	Professor in Animal breeding
<b>Born</b>	July 11, 1960
<b>MSc, PhD, Docent</b>	MSc in Agriculture (Animal science), Swedish University of Agricultural Sciences (SLU), Dec. 1984. Agr dr (PhD) in Animal breeding and genetics, Dec. 1993. Associate professor (docent) in Animal breeding, May 2000.
<b>Employment</b>	Junior researcher (försöksassistent) at the Dept. of Animal Breeding and Genetics, SLU, 1985-1995. Senior research officer (forskningsledare) at the same department 1995-1998. Post Doctoral Fellow (forskarassistent) 1998-2004 and researcher 2005-2007 at the same department. Director of Post-Graduate Studies (studierektor) at the department 2004-2005. Senior lecturer (universitetslektor) at the department, since May 2007. Professor in Animal breeding since March 2010. Vice-dean at the Faculty of Veterinary Medicine and Animal Science (VH faculty) 2007-2009 (50 %). Head of the Section for Applied Genetics at the department 2011-2013 and 2015-2016. Head of the Department Jan. 2017- June 2022 (30-50 %).
<b>PhD project</b>	Doctoral degree in Animal breeding and genetics, Dec. 1993, with the thesis "Pig reproductive genetics and correlations between reproduction and production traits".
<b>Working field</b>	Research on breeding for sustainable production of meat and milk, and genetics of reproduction and behavioural traits. Also studying ethics of breeding, goal conflicts related to animal production, breeding for organic production and genotype by environment interactions, traits important for animal welfare and environmental impact in several species, and development of sustainability assessment and life cycle assessment (LCA), including social LCA. Experience of interdisciplinary studies of future scenarios. Experience of work with data from SLU's research herds, as well as from national recording schemes, field studies in commercial herds, simulation studies and questionnaires. Participate in the EU network PIGWEB and work on sustainability assessments in the Mistra Food Futures program and the EU projects Plan'Eat and Re-Livestock. Was active in the H2020 project GenTORE (2018-2022) and the ERA-Net project SusPig (2017-2020); both projects concerning sustainable animal production, including social, environmental and economic aspects.
<b>Publications</b>	The publication list includes 120 articles accepted in peer-reviewed scientific journals and many reports from international and Swedish congresses, articles in technical journals and journals on popular science, debate articles, book chapters etc. Citations (June 2023): h-index = 47, i10index = 98.
<b>Teaching and education</b>	Working as a teacher in several courses for students in animal science at the university each year, and as a supervisor for students writing examination thesis etc. Current teaching mainly focused on breeding for sustainable animal production and the role of animals for fulfilling UN's Sustainable Development Goals. Course leader, currently of two BSc courses entitled Global animal production and Genetics and breeding. Examiner of master courses, currently a course on welfare aspects of animal genetics. Giving lectures for various stakeholders several times per year. Lead several working groups developing SLU's education (Bologna adaptation; Education for sustainable development). Responsible for the faculty's education programs as vice-dean (2007-2009).

<b>Some other tasks</b>	<p>Deputy program director of "Future Agriculture – Livestock, Crops and Land Use", an interdisciplinary research platform at SLU, 2012-2017. Worked with research and with policy questions, e.g. input to the national Swedish Food Strategy (2014-2015).</p> <p>Deputy program director of the interdisciplinary research programme "Mistra Biotech – Biotechnology for sustainable and competitive agriculture and food systems", 2012-2016.</p> <p>On the Council of the European Federation of Animal Science (EAAP) Sept. 2015-Aug. 2019.</p> <p>Theme leader for "Sustainability of farm-level production systems" in the EU-project "Improving quality of pork and pork products for the consumer ... QPorkChains" (FP6). 2007-2011.</p> <p>Member of the Committee for agriculture's climate adaptation (KLIMA) at the Royal Swedish Academy of Agriculture and Forestry (KSLA), 2016-2018</p> <p>Member of the Swedish Gene Technology Advisory Board, 2011-2018</p> <p>Member of the Scientific Council for Animal Welfare at SLU, 2019-</p> <p>Member of the Royal Society of Arts and Sciences of Uppsala, 2015-</p>
<b>Supervision</b>	<p>Major supervisor for 6 PhD students:</p> <ul style="list-style-type: none"> <li>• Stanley Zira, doctoral thesis "Towards sustainable livestock systems: Developing and applying methods for broad sustainability assessment of pig and cattle systems", 2022</li> <li>• Julie Clasen, doctoral thesis "Crossbreeding in dairy cattle: novel breeding tools for sustainable dairy and beef production", 2021</li> <li>• Helen Hansen Axelsson, doctoral thesis "Breeding for sustainable milk production – from nucleus herds to genomic data", 2013</li> <li>• Helena Lundgren, doctoral thesis "Genetics of sow performance in piglet production", 2011</li> <li>• Anna Wallenbeck, doctoral thesis "Pigs for organic production: studies of sow behaviour, piglet-production and GxE interactions for performance", 2009</li> <li>• Katja Grandinson, doctoral thesis "A genetic study of maternal ability in sows", 2003</li> </ul> <p>Co-supervisor for 6 PhD students that have achieved a doctor degree and co-supervisor for one student that has achieved a licentiate degree.</p>
<b>Post doc supervision</b>	<p>Laurianne Canario, piglet growth, 2007-2008, 12 months</p> <p>Jean-Luc Gourdine, sustainable pig breeding, 2008-2009, 12 months</p>
<b>Previous and on-going cooperation</b>	<p><i>SLU:</i> Departments of Animal Environment and Health; Animal Nutrition and Management; Clinical Sciences; Food Science; Economy; Crop Production; Ecology, Energy and Technology.</p> <p><i>External:</i> Norwegian University of Life Sciences; Aarhus University; Norsvin, Hamar; INRAE, Jouy-en-Josas, Toulouse and Guadeloupe; INIA, Madrid; SRUC, Edinburgh.</p>
<b>Award</b>	<p>The Royal Swedish Academy of Agriculture and Forestry's award for exemplary efforts in education and teaching, 2012.</p>
<b>Miscellaneous ☺</b>	<p>Worldloppet Master in cross-country skiing marathons. April 2020.</p>