## Contact information

Hänninen, Laura Talvikki

Researcher ID E-6683-2011

ORCHID 000-0001-5118-8451

Nationality: Finnish

Work address: Department of production animal medicine, Animal welfare and management, Faculty of veterinary medicine, PO Box 57, 00014 University of Helsinki (UH),
tel: +358 – 50 415 1180 email: Laura.Hanninen@helsinki.fi

Education
2012 European veterinary diplomate in animal welfare, ethics and law (Dip ECAWBM-WSEL), appointed as de-facto i.e. one of the founding diplomates for the European College of Animal Welfare and Behavioural Medicine of the European board of veterinary specializations

2007 PhD at the Department of production animal medicine, Faculty of Veterinary Medicine, UH, Title: Sleep and rest in calves - relationship to welfare, housing and hormonal activity. Supervisors: Dr. Anne-Marie de Passillé and Dr. Jeffrey Rushen, Agri-Food Canada & prof. Hannu Saloniemi, UH, Finland.

1997 DVM, UH

Current position
1.8.2008 Clinical instructor for animal welfare and protection, UH : 40% research, 50% teaching, 10% 3rd sector consulting (on leave 1.8.08 – 30.10.09 for temporary posts described below)

2011 Principal Investigator

Previous positions and family leaves

2008-2009; temporary post as a director of Finnish Centre for Animal Welfare, UH
2008; temporary post as a professor in animal welfare science, Faculty of Vet. Med, UH

2007; temporary post as a professor in animal welfare research, Ruralia Instititute, Mikkeli, UH
2003 –2007; 5-year post as an assistant (junior lecturer), Animal Hygiene, UH
2002 – 2003; temporary post as assistant (junior lecturer), Animal Hygiene, UH
1995 - 2002; researcher, Animal hygiene, UH
1994 – 1997; various temporary post as a communal and small animal veterinarian around Finland

Parental leave

1.11.1997-15.5.1998 & 1.9.2000-30.10.2001

## Rewards

2014 Title of docent for the year at the University of Helsinki, Finland
2017 Fellow of the teachers´academy, at the University of Helsinki

### Academic excellences

2012 title of docent in applied animal welfare science

**Supervised doctoral dissertations (main supervision marked with \*), PostDocs and graduation works**2008 Anette Wichmann, a postdoc fellow from Sweden, SLU, for 1 yr

2011 MSc Birgitta Wahlberg; Arrangement and administration of animal welfare regulations of production animals, Åbo Akademi University

2014 MSc Emma Ternman, Sleep in dairy cows, Swedish agricultural university (SLU)

\*2015 DVM Ann-Helena Hokkanen; Hot-iron disbudding pain in calves **–** Studies on perception of pain and options to increase pain alleviation, UH

Over 20 supervised veterinary thesis and pro gradu works. The detailed list is shown in TUHAT-database; <https://tuhat.halvi.helsinki.fi/portal/en/person/lthannin>

Current PhDs´ under supervision (main supervision marked with \*)

\*DVM Elina Viitasaari, Pig pain behavior, UH
\*MSc Terhi Jääskeläinen, Crimes against animal welfare law – biological information affecting convictions, UH

MSc Juha Hietaoja, HRV in cattle, UH

MSc Lilli Frondelius, HRV in cattle stress, University of Eastern Finland

MSc Sanni Somppi, Eye tracking in canine cognition research, UH
\* MSc Ingela Wikman, Farmer´s and veterinarian´s attitude to pain in cattle - doctoral studies

DVM Sofia Vääräkkälä, Animal protection problems at the Finnish dairy and pork farms and impact of animal welfare inspections, UH
DVM Hanna Nurmi, Welfare of castrated reindeers, UH

## **Teaching expertise**

2004 - 2005 University pedagogies, 5 credits course

2013 University pedagogies for supervision, 3 credit course. Final work graded *as excellent* (5)

27.5.2008 demonstration lesson for the applied post of clinical instructor was evaluated as grade *excellent* by the executive group at the department of production animal medicine

**Invited presentations to international seminars and courses**

2012 Animal resting behaviour and sleep, Animal Welfare: Emotion, Cognition & Behaviour, AnimalConcept, UK

2012 Cattle welfare, Improving Animal Welfare, FVE & EU, Lithuania

2013 Animal resting behaviour and sleep, Animal Behaviour, Cognition and Physiology: What does the brain tell us? AnimalConcept, Finland

2015 Understanding cattle behavior - understanding cattle welfare, improving animal welfare – a practical approach, FVE & EU, Bulgaria

2015 Animal welfare and ethics in food animals, ethical dilemmas of consuming animals, Nordic committee on Bioethics, Finland

### Organization of the international courses and congresses

2004 ISAE Helsinki, Finland, member of the organizing committee
2006 Assessing Animal Welfare, an international PhD course, UH, main organizer

2006 Nordic ISAE seminar in Helsinki, member of the organizing committee

2009 Abnormal animal behaviour, an international PhD course, UH, member of the organizing committee

2012 Colact workshop and Phd course, UH, member of the organizing committee

2013 Animal concept: What does the brain tell us?, an international seminar, UH & Animal Concept, member of the organizing committee
2016 NOVA & CVM PhD course: Animal welfare from fork to farm, an international PhD course
2017 CVM Doctoral school autumn seminar: Publish your scientific work in social media – channels and methods, member of the organizing committee

2017 Tools for selling your ideas, getting interest in your presentation, doctoral school, main organizer
2017 Workshop on animal ethics for veterinarians, UH , main organizer
2017 Residency day ’ Animal Welfare, Ethics and Law`; miniworkshop for residents,

2017 Organizing cattle welfare theme for the Annual Veterinary days in Finland, as a member of education committee of the Finnish veterinary association

**Supervised doctoral students (main supervision \*)**
2011 FM Birgitta Wahlberg; Arrangement and administration of animal welfare regulations of production animals, Åbo Akademi University
2014 MSc Emma Ternman, Sleep in dairy cows, Swedish agricultural university (SLU)
\*2015 ELL Ann-Helena Hokkanen; Hot-iron disbudding pain in calves – Studies on perception of pain and options to increase pain alleviation,HY

**Supervised postdocs**
2008 Anette Wichmann from Sweden, SLU, 1 y

**Other supervision**

I have supervised 25 MSc and licentiate works. Currently I am supervising 2 licentiate works and 5 specializing veterinarians **Current supervised postdocs (main supervision \*)**

\*ELL Elina Viitasaari, Pig pain behavior, HY
MMM Juha Hietaoja, HRV in cattle, HY
FM Lilli Frondelius, HRV in cattle stress, Itä-Suomen yliopisto
FM Sanni Somppi, Eye tracking in canine cognition research, HY
ELL Sofia Vääräkkälä, Animal protection problems at the Finnish dairy and pork farms and impact of animal welfare inspections, HY
\*FM Terhi Jääskeläinen, Crimes against animal welfare law – biological information affecting convictions, HY
\* FM Ingela Wikman; Stakeholders ́ perception on cattle pain, HY
\*ELL Hanna Nurmi, Welfare of castrated reindeers, HY

**Esitarkistaja/vastaväittäjä**

2014 Katrine Kop Fogsgaard, Aarhus University, Denmark 2015 Anna Algers, Gothenburg University, Sweden
2017 Salla Ruuska, Itä-Suomen yliopisto

### International projects and research collaboration

1998-2001 NKJ-project “Group and cold rearing in cold environment”, *SLU SE, Foulum DK, Aarhus University NOR, UH FI*2003-2006 NKJ-project “Behavior and welfare of cattle housed in large groups”, *SLU SE, Århus University DK, Aarhus University NOR, UH FI*

2008-2009 Welfare of turkeys during transportation*, SLU SE, Catholic university of Leuwen BE, UH FI*2009-2010 Using accelerometers for measuring lameness in cattle, *Agri-Food Canada, Århus University DK, UH FI*2009 onwards Sleep in cattle, *SLU SE, BOKU AUS, UH FI*

2014 onwards A scientific reviewing of current knowledge of cattle lying behavior, *Agri-Food Canada, Århus University DK, UH FI, University of Davis USA*

**Other scientific and academic excellences**

### 2014 Pre-examiner and opponent for doctoral dissertation for Katrine Kop Fogsgaard, Aarhus University, Denmark2014 referee for a postdoc fellowship at the Aarhus University, Denmark

### 2015 Pre-examiner and opponent for doctoral dissertation for Anna Algers, Gothenburg University, Sweden

### Referee for grant applications

2014 onwards committee member of the Finnish Veterinary Foundation
2015 and 2015 referee for the Research Council Norway

### Positions of trust in scientific societies

2003 Research Centre for Animal Welfare, founding member
2004 Finnish scientific society for applied ethology, founding member

2007 member of the executive committee of the Finnish society for applied ethology

2010 – 2012 Education officer of the International society for Applied Ethology, ISAE council member
2012-2013 chairperson of the executive committee of the Finnish society for applied ethology

Positions of trust in scientific experts panels

2008 National expert in EFSAs extended advisory committee for the dairy cow welfare, 3.-5.12.07, Italy

Referee for scientific journals
Livestock, Acta Agric Scadinavia, Acta veterinaria Scandinavia, Finnish Veterinary Journal, J Dairy Sci, Naturwischenschaften*,* Journal of animal welfare, Journal of applied animal welfare science, Animal, Animals, Applied animal welfare Science and PlosOne

### Administrations at the University of Helsinki

2007 – 2010 member of the committee of veterinary basic education (UH)

2007 – 2010 expert member of the Board of experimental farms at the UH
2010 – 2013 vice member of the faculty board
2010 - 2011 vice member of the supervision committee for the Finnish center for animal welfare

2010 – 2017 member of the ethical committee for animal experiments at the University of Helsinki
2018 – onwards chair of the ethical committee for animal experiments at the University of Helsinki

**Memberships and positions of trust**
2004 – 2006 university representative in the working group for design the national strategy for the farm animal welfare in Finland, The Finnish Ministry of Agriculture and Forestry

2007 – 2010 Scientific member on the board of the experimental farms at the University of Helsinki
2007 – 2010 Member of the committee of veterinary education at the University of Helsinki

2010 – 2013 Education and development officer at the council of the International society for the applied ethology (ISAE)

2012 -> Finnish university delegation, Finnish Veterinary Society
2012 – 2013 Advisory research committee on organic turkey production in Finland, Ministry of Agriculture and forestry

2010 – 2012 Advisory research committee on CO- and CO2-euthanasia in farmed mink, Ministry of Agriculture and forestry

2011 -> Ethical committee for animal research, University of Helsinki

2011 -> Scientific member on the committee for establishing farm animal welfare subsidies, Ministry of Agriculture and Forestry
2012 – 2014 Scientific member of the Pet and Sport Animal Welfare Council, Ministry of Agriculture and Forestry

2015 – 2018 Vice Chair of the Pet and Sport Animal Welfare Council, Ministry of Agriculture and Forestry

2016 – 2018 Scientific member on the Farm Animal Welfare Council, Ministry of Agriculture and Forestry
2018 onwards scientific representative at the sport and pet animal welfare council, Finnish Ministry of Agriculture and Forestry

Awards

2011 de-facto European veterinary specialists in animal welfare, ethics and law (Diploma from ECAWBM-AW) for my merits in the field by the European College of Animal Welfare and Behavioural Medicine

2013 adjunct professor (tittle of docent) of applied animal behaviour science at the University of Helsinki for my merits in the field

2014 the title of the docent of the year at the University of Helsinki for my scientific, societal and teaching merits. *Each of the 11 faculty suggests their nominates. This was the 1st time the award came to the veterinary faculty.*

Academic memberships and positions of trust
2007 – 2010 Scientific member on the board of the experimental farms at the University of Helsinki
2007 – 2010 Member of the committee of veterinary education at the University of Helsinki

2010 – 2013 Education and development officer at the council of the International society for the applied ethology (ISAE)

2012 -> Finnish university delegation, Finnish Veterinary Society
2012 – 2013 Advisory research committee on organic turkey production in Finland, Ministry of Agriculture and forestry

2010 – 2012 Advisory research committee on CO- and CO2-euthanasia in farmed mink, Ministry of Agriculture and forestry

2011 -> Ethical committee for animal research, University of Helsinki

2011 -> Scientific member on the committee for establishing farm animal welfare subsidies, Ministry of Agriculture and Forestry
2012 – 2014 Scientific member of the Pet and Sport Animal Welfare Council, Ministry of Agriculture and Forestry

2015 – 2018 Vice Chair of the Pet and Sport Animal Welfare Council, Ministry of Agriculture and Forestry

2016 – 2018 Scientific member on the Farm Animal Welfare Council, Ministry of Agriculture and Forestry

Experience of communicating results with stakeholders/end users
App 15 radio or TV interviews, 20 interviews for journals and over 40 public lectures

The detailed list is shown in TUHAT-database;  [<https://tuhat.halvi.helsinki.fi/portal/en/person/lthannin>/](https://tuhat.halvi.helsinki.fi/)

 **Successful grant applications for the projects I am leading from the past 10 years**

|  |  |  |  |
| --- | --- | --- | --- |
| Project Title | Funding source | Amount(Euros) | Period |
| Calf welfare after disbudding | Finnish ministry of agriculture and forestry | 170 000 | 2009 - 2012 |
| Alternative disbudding methods for calves  | Finnish ministry of agriculture and forestry | 135 000 | 2013 - 2016 |
| Valio ltd | 10 000 |
| Healthier and safer medication for disbudded calves  | Finnish ministry of agriculture and forestry | 165 000 | 2018 - 2020 |
| Valio ltd | 8 000 |
| Welfare of castrated reindeer | Finnish ministry of agriculture and forestry | 135 000 | 2019 - 2021 |
| Reindeer herders, and small reindeer feed and meat companies | 4000 |
| Alternatives to rapid weaning of calves from their dams | Valio | 4000 | 2019 - 2021 |