



The role of the Royal Swedish Academy of Agriculture and Forestry is to promote agriculture and forestry and related activities for the benefit of society, with the support of science and practical experience. The Academy was founded in 1811 at the initiative of Karl XIV Johan and started its work on 28 January 1813.

Wallenberg Talk – 14 February, 2024

Healthy Animals for Sustainable Agriculture and One Health



Professor Andrea Doeschl-Wilson from the Roslin Institute, University of Edinburgh, was appointed as Wallenberg Professor in genetic-epidemiology in 2021. She is currently a guest professor at the Department of Animal Biosciences at SLU (Swedish University of Agricultural Sciences). In Scotland, Professor Doeschl-Wilson leads a research program on the prevention and control of infectious diseases. Before Professor Doeschl-Wilson returns to Scotland, the Royal Swedish Academy of Agriculture and Forestry (KSLA) has the pleasure to host this lecture.

Infectious diseases are a serious threat to farmed animals, One Health and sustainable food production. Neither epidemiological nor quantitative genetics methods are fully effective as they ignore much individual variation affecting infectious disease spread. It has been shown that health and welfare of livestock can be improved by integrating quantitative genetics and epidemiology.

The methods developed by Professor Doeschl-Wilson's research group expand traditional epidemiological and genetic approaches to control infectious diseases as they take into account genetic variation in individual's response to infection. The methods lead to a better scientific understanding of infection spread and have the potential to transform current disease control strategies for farmed animals in Sweden.

Professor Doeschl-Wilson has during her years in Uppsala contributed to the training of early career scientist at SLU, and it has been possible to build a long-lasting network of PhD students and supervisors between SLU and University of Edinburgh. This talk is moderated by Professor Ulf Emanuelson, SLU.

Welcome!

Peter Normark, Academy Secretary General, Managing Director

Time & venue

Wednesday, 14 February,
at 12 until 2.30 pm in
KSLA, Drottninggatan 95B,
Stockholm and on Zoom.

The Zoom, link will be e-
mailed out the day before.

Lunch will be served for
preregistered guests.

Registration

No later than 13 Feb.
[Link](#) to registration.

Questions

Content:

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Programme – 14 February, 2024

Healthy animals for sustainable agriculture and One Health

12.00 LUNCH

13.00 **Introduction**

Professor Ulf Emanuelson*, Swedish University of Agricultural Sciences

13.10 **Keynote: Healthy animals for sustainable agriculture and One Health**

Professor Andrea Doeschl-Wilson, Swedish University of Agricultural Sciences, and University of Edinburgh

14.00 **Discussion**

14.30 COFFEE/TEA

*) KSLA Fellow

The purpose of the **Wallenberg professorships** is to establish ties with prominent foreign scientists, who can contribute towards the renewal of Swedish science in the green sector*, and to universities and academic institutions. A Wallenberg professor “shall contribute new aspects to research environments that are already strong or shall serve as a boost to build new strategic environments”.

It was established in January 2013, on the occasion of the Academy’s 200th anniversary, when the Knut and Alice Wallenberg Foundation donated 18 million SEK to the academy. With these funds, the Academy had the opportunity to set up several one-year guest professorships of the highest international standard in the green industries.

More information on

<https://www.ksla.se/om-ksla/projekt/wallenbergprofessurerna/>



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The Wallenberg professorships are financed by the Knut and Alice Wallenberg Foundation