



## Curriculum Vitae

Personal information **Wannes Vanderhaeghen**

Work experience

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Current position:

- **Belgian Centre of Expertise on Antimicrobial Consumption and Resistance in Animals**
  - Since 05/2014 - present
  - Head of Data Analysis Unit
  - Belgium
  - Main activities:

Leading the data analysis unit (3 additional fte): planning, vision and methodology: benchmarking methodology, including developing and maintaining Belgian DDDA/DCDA lists, documentation; discussing deliverables with clients; representing the unit, both internally and externally; final responsible for output. Main tasks of the DAU: production of periodical benchmarking reports for farmers and veterinarians of pigs, poultry, veal calves and dairy cows (+/- 50000 annually); write sectoral reports; attribute to the yearly Belgian AMU in animals report (BelVet-SAC) together with the Belgian Federal Agency for Medicines and Health Products; attribute to the yearly BelMap report.

- **Post-doctoral researcher**

*Ghent University, Faculty of Veterinary Medicine, Veterinary Epidemiology Unit*

August 2013 – April 2014

- **Lecturer**

*VIVES, Agro- and Biotechnology campus*

February 2013 – July 2013

- **Post-doctoral researcher**

*Ghent University, Faculty of Veterinary Medicine, Mastitis and Milk Quality Research Unit*

October 2012 – December 2012

Education and training

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- **Ph in Veterinary Medicine**

*Department of Pathology, Bacteriology and Avian Diseases, Faculty of Veterinary Medicine, Ghent University // Unit of General Bacteriology, including Antimicrobial resistance, Operational Directorate Bacterial Diseases, Veterinary and Agrochemical Research centre (VAR, currently Sciensano)*

May 2008 – June 2012

Topic: Molecular epidemiology of methicillin-resistant *Staphylococcus*

*aureus* (MRSA) and other methicillin-resistant staphylococci in animals and humans

Promoters: Prof. Patrick Butaye, Prof. Katleen Hermans, Prof. Freddy Haesebrouck

Funding: Belgian Federal Public Service of Health, Food Chain Safety and Environment (contract RF-6189)

- **October 2001 – September 2005**

Master of science in biology – specialization zoology

- Faculty of Sciences, Ghent University

- **October 2005 – September 2006**

Specific teacher training programme in biology

- Faculty of Psychology and Educational Sciences, Ghent University

## Additional information

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### Publications

*Antibiotic Use in European Pig Production: Less Is More.*

Dewulf J, Joosten P, Chantziaras I, Bernaerdt E, Vanderhaeghen W, Postma M, Maes D.

Antibiotics (Basel). 2022 Oct 27;11(11):1493. doi: 10.3390/antibiotics11111493.

*Monitoring of Farm-Level Antimicrobial Use to Guide Stewardship: Overview of Existing Systems and Analysis of Key Components and Processes.*

Sanders P, **Vanderhaeghen W**, Fertner M, Fuchs K, Obritzhauser W, Agunos A, Carson C, Borck Høg B, Dalhoff Andersen V, Chauvin C, Hémonic A, Käsbohrer A, Merle R, Alborali GL, Scali F, Stärk KDC, Muentener C, van Geijlswijk I, Broadfoot F, Pokludová L, Firth CL, Carmo LP, Manzanilla EG, Jensen L, Sjölund M, Pinto Ferreira J, Brown S, Heederik D, Dewulf J.

*Reducing Antimicrobial Usage in Pig Production without Jeopardizing Production Parameters.*

Postma M, **Vanderhaeghen W**, Sarrazin S, Maes D, Dewulf J.

Zoonoses Public Health. 2017 Feb;64(1):63-74. doi: 10.1111/zph.12283. Epub 2016 Jun 30.

*Identification, typing, ecology and epidemiology of coagulase negative staphylococci associated with ruminants.*

**Vanderhaeghen W**, Piepers S, Leroy F, Van Coillie E, Haesebrouck F, De Vliegher S.

Vet J. 2015 Jan;203(1):44-51. doi: 10.1016/j.tvjl.2014.11.001. Epub 2014 Nov

11.

*Invited review: effect, persistence, and virulence of coagulase-negative Staphylococcus species associated with ruminant udder health.*

**Vanderhaeghen W**, Piepers S, Leroy F, Van Coillie E, Haesebrouck F, De Vliegher S.

J Dairy Sci. 2014 Sep;97(9):5275-93. doi: 10.3168/jds.2013-7775. Epub 2014 Jun 18.

*Prevalence, risk factors and genetic diversity of methicillin-resistant Staphylococcus aureus carried by humans and animals across livestock production sectors.*

Vandendriessche S, **Vanderhaeghen W**, Soares FV, Hallin M, Catry B, Hermans K, Butaye P, Haesebrouck F, Struelens MJ, Denis O.

J Antimicrob Chemother. 2013 Jul;68(7):1510-6. doi: 10.1093/jac/dkt047. Epub 2013 Feb 20.

*Methicillin-resistant Staphylococcus aureus (MRSA) in food production animals.*

**Vanderhaeghen W**, Hermans K, Haesebrouck F, Butaye P.

Epidemiol Infect. 2010 May;138(5):606-25. doi: 10.1017/S0950268809991567. Epub 2010 Feb 2.

#### Projects

Network on quantification of veterinary Antimicrobial consumption at herd level and Analysis, Communication and benchmarking to improve responsible use.

JPIamr project 1/1/2017-31/12/2017

<https://aacting.org/>

This network aims at developing guidelines and describing best practices for data collection systems of antimicrobials usage (AMU) in food-producing animals at farm level, applicable for herd level antibiotic stewardship, including benchmarking and result-communication to stakeholders and risk managers. To achieve this first a SWOT analysis of all currently available systems will be performed. Based on this strong and weak parts of the different systems will be identified and used to develop "best practice guidelines" adapted to the country specificities. The implementation of these guidelines also aim at improving comparability between results from various countries/ sectors/ species. Additionally, the up-to-date information on all currently available systems and the developed guidelines will be made publicly available through an online platform. This will aid interested people from various backgrounds to easily gain a comprehensive image of the work done on quantification of veterinary antimicrobial use at the herd level. Moreover, the platform will function as a discussion forum, where ideas, knowledge and experiences can be exchanged and discussed. Finally, a conference will be organized to gather all interested people active in the field of quantifying Veterinary Antimicrobial Consumption both to promote the guidelines and online platform as well as to discuss further developments and challenges.

#### Memberships

#### Other Relevant Information