Søren Saxmose Nielsen
Professor, Professor

Animal Welfare and Disease Control

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Short presentation

Søren S. Nielsen was trained in veterinary medicine with a degree from The Royal Veterinary and Agricultural University (KVL), Denmark, in 1998. Four years later, he earned his PhD based on studies relating to interpretation of diagnostic test information for bovine paratuberculosis. He gained the DVSc title based on studies used for design of the Danish control programme on paratuberculosis at University of Copenhagen in 2009.
He is currently employed as Professor in Disease and Diagnostic Modelling at the Department of Veterinary and Animal Sciences, University of Copenhagen, Denmark, where he teaches epidemiology and performs research primarily focused on infectious diseases of production animals. This research has included a variety of project management tasks. He has worked primarily with issues on diagnosis, control and epidemiology of paratuberculosis. He designed the Danish control programme on paratuberculosis, which was successfully implemented in 2006. He has also published > 170 peer-reviewed articles in international scientific journals, along with more than 80 professional papers and numerous conference contributions. He currently serves as Chair of the Animal Health and Welfare Panel and as a member of the Scientific Committee in the European Food Safety Authority (EFSA), and the results of those efforts are published in 130+ international reports including guidance on methodology and development of legislation in the European Union.
Profile on Researchgate

Qualifications

Doctor of Veterinary Science, University of Copenhagen
Award Date: 20 Nov 2009

Diplomate European College of Veterinary Public Health, European College of Veterinary Public Health
Award Date: 6 Jul 2006

Veterinary Epidemiology, PhD, The Royal Veterinary and Agricultural University
1 Jun 1999 → 31 May 2002
Award Date: 31 May 2002

The Royal Veterinary and Agricultural University
1 Sep 1992 → 28 Jul 1998

Research outputs

Vaccination of poultry against highly pathogenic avian influenza – Part 2. Surveillance and mitigation measures
EFSA Panel on Animal Health and Animal Welfare, European Union Reference Laboratory for Avian Influenza, Nielsen, S. S., Alvarez, J., Bicout, D. J., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gortázar, C., Herskin, M. S., Michel, V., Miranda Chueca, M. Á., Padalino, B., Roberts, H. C., Spoolder, H., Stahl, K., Velarde, A., Viltrop, A., Winckler, C. & 11 others, Bortolami, A., Guinat, C., Harder, T., Stegeman, A., Terregino, C., Lanfranchi, B., Preite, L., Aznar, I., Broglia, A., Baldinelli, F. & Gonzales Rojas, J. L., 18 Apr 2024, In: EFSA Journal. 22, 4, p. 1-70 70 p., e8755.

Using registry data to identify individual dairy cows with abnormal patterns in routinely recorded somatic cell counts
Henningsen, Maj Beldring, Reimert, Mossa Merhi, Denwood, Matt, Gussmann, Maya Katrin, Kirkeby, Carsten & Nielsen, Søren Saxmose, 21 Feb 2024, In: Journal of Theoretical Biology. 579, p. 1-7 7 p., 111718.

Accuracy of three diagnostic tests to detect tooth resorption in unowned unsocialised cats in Denmark
Eriksson, Jacob Mattias, Denwood, Matt, Nielsen, Søren Saxmose, McEvoy, Fintan, Allberg, Clara, Thuesen, Ida Sofie & Kortegaard, Hanne Ellen, 2024, (E-pub ahead of print) In: Journal of Small Animal Practice.

Dyrevelfærdsmærke på grisekød bør gentænkes efter nederlandsk forbillede
Sandøe, Peter, Nielsen, Søren Saxmose, Christensen, Tove & Hansen, Henning Otte, 11 Jan 2023, Altinget.

Assessing welfare risks in unowned unsocialised domestic cats in Denmark based on associations with low body condition score
Nielsen, Søren Saxmose, Thuesen, Ida Sofie, Mejer, Helena, Agerholm, Jørgen Steen, Nielsen, Stine Thorsø, Jokelainen, P., Thamsborg, Stig Milan & Sandøe, Peter, 2023, In: Acta Veterinaria Scandinavica. 65, 11 p., 1.

Assessment of listing and categorisation of animal diseases within the framework of the Animal Health Law (Regulation (EU) 2016/429): Spring Viraemia of Carp (SVC)
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Assessment of listing and categorisation of animal diseases within the framework of the Animal Health Law (Regulation (EU) 2016/429): infection with *Gyrodactylus salaris* (GS)
EFSA Panel on Animal Health and Welfare, Nielsen, S. S., Alvarez, J., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gonzales Rojas, J. L., Gortázar, C., Herskin, M. S., Michel, V., Miranda Chueca, M. Á., Padalino, B., Roberts, H. C., Spoolder, H., Ståhl, K., Velarde, A., Viltrop, A., Winckler, C., Bron, J. & 9 others, Olesen, N. J., Sindre, H., Stone, D., Vendramin, N., Antoniou, S. E., Karagianni, A. E., Kohnle, L., Papanikolaou, A. & Bicout, D. J., 2023, In: EFSA Journal. 21 , 10, 81 p., e08325.

Assessment of listing and categorisation of animal diseases within the framework of the Animal Health Law (Regulation (EU) 2016/429): Bacterial kidney disease (BKD)
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Assessment of listing and categorisation of animal diseases within the framework of the Animal Health Law (Regulation (EU) No 2016/429): infectious pancreatic necrosis (IPN)
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Assessment of listing and categorisation of animal diseases within the framework of the Animal Health Law (Regulation (EU)2016/429): Infection with salmonid alphavirus (SAV)
EFSA Panel on Animal Health and Welfare, Nielsen, S. S., Alvarez, J., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gonzales Rojas, J. L., Gortázar, C., Herskin, M. S., Michel, V., Miranda Chueca, M. Á., Padalino, B., Roberts, H. C., Spoolder, H., Ståhl, K., Velarde, A., Viltrop, A., Winckler, C., Bron, J. & 9 others, Olesen, N. J., Sindre, H., Stone, D., Vendramin, N., Antoniou, S. E., Broglia, A., Karagianni, A. E., Papanikolaou, A. & Bicout, D. J., 2023, In: EFSA Journal. 21 , 10, 80 p., e08327.

Dairy cattle welfare – the relative effect of legislation, industry standards and labelled niche production in five European countries
Sandøe, Peter, Hansen, Henning Otte, Bokkers, E. A. M., Enemark, P. S., Forkman, Björn, Haskell, M. J., Lundmark Hedman, F., Houe, Hans, Mandel, Roi, Nielsen, Søren Saxmose, de Olde, E. M., Palmer, C., Vogeler, C. S. & Christensen, Tove, 2023, In: Animal. 17, 12, 9 p., 101009.

Effect of feeding dairy calves with milk fermented with selected probiotic strains on occurrence of diarrhoea, carriage of pathogenic and zoonotic microorganisms and growth performance
Fresno, A. H., Farias Alencar, Anna Luiza, Liu, G., Wridt, M. W., Andersen, F. B., Pedersen, H. S., Martin, H. L., Nielsen, Søren Saxmose, Aabo, S., Olsen, John Elmerdahl & Jensen, A. N., 2023, In: Veterinary Microbiology. 286, 109885.

Forensic age assessment of late-term bovine fetuses
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Gastro-intestinal lesions are not relatable to diarrhoea or specific pathogens in post-weaning diarrhoea (PWD) in pigs
Blirup-Plum, Sophie Amalie, Jensen, Henrik Elvang, Nielsen, Søren Saxmose, Pankoke, K., Hansen, Mette Sif, Pedersen, Ken Steen, Eriksen, E. Ø., Nielsen, Jens Peter, Olsen, John Elmerdahl, Kudirkiene, E., Larsen, Lars, Goecke, Nicole Bakkegård & Barington, Kristiane, 2023, In: Acta Veterinaria Scandinavica. 65, p. 1-18 18 p., 30.

Guidance on protocol development for EFSA generic scientific assessments
EFSA Scientific Committee, More, S., Bampidis, V., Benford, D., Bragard, C., Hernández-Jerez, A., Bennekou, S. H., Koutsoumanis, K. P., Lambré, C., Machera, K., Mullins, E., Nielsen, S. S., Schlatter, J., Schrenk, D., Turck, D., Younes, M., Kraft, A., Naegeli, H., Tsaioun, K., Aiassa, E. & 15 others, Arcella, D., Barizzone, F., Cushen, M., Georgiadis, M., Gervelmeyer, A., Lanzoni, A., Lenzi, P., Lodi, F., Martino, L., Messens, W., Ramos Bordajandi, L., Rizzi, V., Stancanelli, G., Supej, Š. & Halldorsson, T. I., 2023, In: EFSA Journal. 21, 10, p. 1-68 68 p., e08312.

Immunohistochemical study of CD31 and α-SMA expression for age estimation of porcine skin wounds
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Perceptions of the rabbit as a low investment 'starter pet' lead to negative impacts on its welfare: Results of two Danish surveys
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Re-evaluation of the existing health-based guidance values for copper and exposure assessment from all sources
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SARS-CoV-2 in animals: susceptibility of animal species, risk for animal and public health, monitoring, prevention and control
EFSA Panel on Animal Health and Welfare, Nielsen, S. S., Alvarez, J., Bicout, D. J., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gonzales Rojas, J. L., Gortázar, C., Herskin, M., Michel, V., Miranda Chueca, M. Á., Padalino, B., Pasquali, P., Roberts, H. C., Spoolder, H., Velarde, A., Viltrop, A., Winckler, C. & 9 others, Adlhoch, C., Aznar, I., Baldinelli, F., Boklund, Anette, Broglia, A., Gerhards, N., Mur, L., Nannapaneni, P. & Ståhl, K., 2023, In: EFSA Journal. 21 , 2, p. 1-108 108 p., e07822.

Simulation of Foot-and-Mouth Disease Spread and Effects of Mitigation Strategies to Support Veterinary Contingency Planning in Denmark
Conrady, Beate, Mortensen, S., Nielsen, Søren Saxmose, Houe, Hans, Calvo Artavia, F. F., Ellis-Iversen, J. & Boklund, Anette, 2023.

Simulation of Foot-and-Mouth Disease Spread and Effects of Mitigation Strategies to Support Veterinary Contingency Planning in Denmark
Conrady, Beate, Mortensen, S., Nielsen, Søren Saxmose, Houe, Hans, Calvo-Artavia, F. F., Ellis-Iversen, J. & Boklund, Anette, 2023, In: Pathogens. 12, 3, 435.

Species which may act as vectors or reservoirs of diseases covered by the Animal Health Law: Listed pathogens of crustaceans
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Species which may act as vectors or reservoirs of diseases covered by the Animal Health Law: Listed pathogens of fish
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Species which may act as vectors or reservoirs of diseases covered by the Animal Health Law: Listed pathogens of molluscs
EFSA Panel on Animal Health and Welfare, Nielsen, S. S., Alvarez, J., Bicout, D., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gonzales Rojas, J. L., Smith, C. G., Herskin, M., Michel, V., Miranda Chueca, M. A., Padalino, B., Roberts, H., Spoolder, H., Ståhl, K., Velarde, A., Viltrop, A., Winckler, C. & 13 others, Arzul, I., Dharmaveer, S., Sindre, H. , Stone, D., Vendramin, N., Antoniou, S., Dhollander, S., Karagianni, A. E., Kero, L. L., Gnocchi, M., Aznar, I., Barizzone, F. & Munoz Guajardo, I. P., 2023, In: EFSA Journal. 21, 8, p. 1-34 34 p., e08173.

Use of Danish national somatic cell count data to assess the need for dry-off treatment in Holstein dairy cattle
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Vaccination of poultry against highly pathogenic avian influenza – part 1. Available vaccines and vaccination strategies
Nielsen, S. S., Alvarez, J., Bicout, D. J., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gonzales Rojas, J. L., Gortázar, C., Herskin, M., Michel, V., Miranda Chueca, M. Á., Padalino, B., Roberts, H. C., Spoolder, H., Stahl, K., Velarde, A., Winckler, C., Bastino, E., Bortolami, A. & 10 others, Guinat, C., Harder, T., Stegeman, A., Terregino, C., Aznar Asensio, I., Mur, L., Broglia, A., Baldinelli, F., Viltrop, A. & EFSA Panel on Animal Health and Animal Welfare (AHAW), European Union Reference Laboratory for Avian Influenza, E. P. O. A. H. A. A. W. (. E. U. R. L. F. A. I., 2023, In: EFSA Journal. 21, 10, 87 p., e08271.

Videnskabens og kattens veje - introduktion til videnskabsteori
Sandøe, Peter, Goddiksen, Mads Paludan, Jensen, Helene Ane, Johansen, Mikkel Willum & Nielsen, Søren Saxmose, 2023, 4 ed. Københavns Universitet. 73 p.

Welfare of broilers on farm
EFSA AHAW Panel, Nielsen, S. S., Alvarez, J., Bicout, D. J., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gonzales Rojas, J. L., Schmidt, C. G., Herskin, M. S., Miranda Chueca, M. Á., Padalino, B., Pasquali, P., Roberts, H. C., Spoolder, H., Stahl, K., Velarde, A., Viltrop, A., Winckler, C. & 15 others, Tiemann, I., de Jong, I., Gebhardt-Henrich, S. G. , Keeling, L., Riber, A. B., Ashe, S., Candiani, D., García Matas, R., Hempen, M., Mosbach-Schulz, O., Rojo Gimeno, C., Van der Stede, Y., Vitali, M., Bailly-Caumette, E. & Michel, V., 2023, In: EFSA Journal. 21, 2, p. 1-236 236 p., e07788.

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Videnskabens og kattens veje - introduktion til videnskabsteori
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Simulation of FMD spread and mitigation measures in the Danish livestock population.
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Welfare of domestic birds and rabbits transported in containers
EFSA Panel on Animal Health and Welfare, Nielsen, S. S., Alvarez, J., Bicout, D. J., Calistri, P., Canali, E., Drewe, J. A., Garin-Bastuji, B., Gonzales Rojas, J. L., Gortázar Schmidt, C., Herskin, M., Michel, V., Miranda Chueca, M. Á., Padalino, B., Roberts, H. C., Spoolder, H., Stahl, K., Viltrop, A., Winckler, C., Mitchell, M. & 6 others, Vinco, L. J., Voslarova, E., Candiani, D., Mosbach-Schulz, O., Van der Stede, Y. & Velarde, A., 7 Sep 2022, In: EFSA Journal. 20, 9, p. 1-188 188 p., e07441.

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Welfare of pigs on farm
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