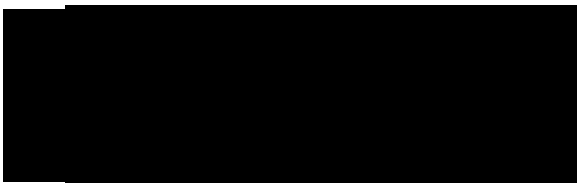
C.V. FOR LIS ALBAN



CAREER RECORD
1983 - Vet study initiated at Univ. of Copenhagen
1991 – Graduated as a DVM
1991 – Veterinary surgeon, small animal practice, Wales, United Kingdom
1992 – Initiated PhD-study in Veterinary Epidemiology at Univ. of Copenhagen
1996 - Ph.d.-degree awarded
1996-2000 - Assistant professor at Univ. of Copenhagen
2000 – Researcher at Danske Slagterier (current name: Danish Agriculture & Food Council=DAFC),
2007 – Appointed to Chief Scientist at DAFC
2011 – Appointed as Adjunct Professor at Univ. of Copenhagen

SPECIALIST DEGREES
2003 – Awarded title as Diplomat in European College of Veterinary Public Health (ECVPH)
2009 – Awarded title as Diplomat in European College of Porcine Health Management (ECPHM)

MENDELEY STATISTICS – BY JULY 2018
H-index: 23, publications according to mendeley: 74, citations: 1,500, views: 5,9419

POSITIONS OF TRUST
1998-2002 - Vice chairman/Chairman of the Danish Society for Veterinary Pathology and Hygiene
1998-1999 – Vice chairman of the Nordic Society for Veterinary Epidemiology (NOSOVE)
2001-2007 – Chairman of NOSOVE
2003-2006 - Associate editor for Preventive Veterinary Medicine (PVM).
2005-2007 – Member of the committee for Society for Veterinary Epidemiology and Preventive Medicine (SVEPM)
2006 - Chairman of ECVPH examination committee. Amsterdam, The Netherlands
2007: Organizer of annual meeting of SVEPM in Helsinki 28.-30. March 2007 in collaboration with Anna-Maija Virtala, Helsinki University, Finland.
2007 - Member of the scientific committee for 7th SafePork 2007 (Verona, Italy)
2007-2008 - Guest editor for Special Issue of PVM in connection with SVEPM 2007 in collaboration with Edmund Peeler. Peeler, E., Alban, L., 2008. Veterinary epidemiology - Adapting to thrive. Prev. Vet. Med. 84, 177–178
2008 - Guest editor for proceedings for SVEPM 2008 in collaboration with Edmund Peeler.
2007-2010 - Junior-Vice/President/Senior-vice for SVEPM
2009 - Theme coordinator for food safety in connection with XII International Symposium on Vet. Epidemiology and Economics, (ISVEE) 2009. Durban, South Africa.
2009 - Member of the scientific committee for 8th SafePork 2009 (Québec, Canada)
2009 – Member of committee for description of chair (PMSO) in disease modelling. Univ. of Copenhagen
2009 - Guest editor for Special Issue of PVM in connection with SVEPM 2009 in collaboration with Kristien Verheyen and Teresa Martinez. Alban, L., Verheyen, K., Martinez, T., SVEPM 2009 - Diversity in ways of analysing challenges. Prev. Vet. Med. 93, 247.
2010 - Guest editor on Special Issue of Zoonoses and Public Health: SafePork2009. Guest Editors: Lis Alban, Wondwossen Gebreyes, Sylvain Quessy, Andrijana Rajic and Peter van der Wolf. November 2010, Volume 57, Issue Supplement, Pages 1–134.

2011 - Member of the scientific committee for 9th SafePork 2011 (Maastricht, The Netherlands).
2011 - Evaluation of application for position as associate professor at the Swedish University of Agricultural Sciences (SLU). Staffan Wiktelius from SLU was the leader of the evaluation.
2011 – Member of assessment committee for professorship in Veterinary Public Health (microbiology) at Department of Veterinary Disease Biology (IVS). Univ. of Copenhagen. Head of committee: Hanne Ingmer, IVS.
2013 - Member of the scientific committee for 10th SafePork 2013 (Maine, USA)
2014 - Co-opted to the Council for the ECVPH
2014 – Head of Local organizing committee in connection with the Annual Meeting in ECVPH Denmark 2014.
2015 - Member of the scientific committee for 11th SafePork 2015 (Porto, Portugal).
2016 – Member of local organizing committee for SVEPM 2016 in Denmark
2015 – Reviewer for ISVEE 15, which will be held in Chiang Mai, Thailand in 2018
2016 – Member of editorial board for PVM
2016 – Member of appeal committee under ECVPH together with Katharina Stärk and Sava Buncic.
2016 – Evaluated abstracts submitted to 3rd International Conference on Animal Health Surveillance (ICAHS3), Rotorua, New Zealand in May 2017.
2017 - Member of the scientific committee for 12th SafePork 2017 (Iguacu, Brazil).
2017-2020 – Head of Local Organizing Committee for ICAHS4 in Copenhagen in 2020
2017 – Participation in challenge session about how to provide science for policy as part of the annual meeting in ECVPH, in Liége, Belgium. 2.-4. October 2014.
2018 – 2022 – Member of the Joint FAO/WHO Expert Meetings on Microbiological Risk Assessments' (JEMRA) Roster of Experts.
2018 - Member of the Swedish Research Council FORMAS, sub group on Animal Health and Welfare.
2018-2019 - Member of the scientific committee for 13th SafePork 2019 (Berlin, Germany).

PH.D.-THESIS:

Alban, L., 1995. Welfare in Dairy Cows. Results of epidemiologic investigation of lameness as well as attempts to develop a way of assessing animal welfare at herd level. Univ. of Copenhagen. 103 pp.

INTERNATIONAL, PEER REVIEWED PAPERS, WHERE I AM MAIN AUTHOR:

Alban, L., 1995. Lameness in Danish dairy cattle: frequency and possible risk factors. Prev. Vet. Med., 22: 213-225.

Alban, L. og Agger, J.F., 1996. Welfare in Danish Dairy Herds 1. Disease Management Routines in 1983 and 1994. Acta vet. scand., 37: 49-64.

Alban, L. og Agger, J.F., 1996. Welfare in Danish Dairy Herds 2. Housing Systems and Grazing Procedures in 1983 and 1994. Acta vet. scand., 37: 65-77.

Alban, L., Lawson, L.G., Agger, J.F., 1995. Foul in the foot (Interdigital necrobacillosis) in Danish dairy cows, - frequency and possible risk factors. Prev. Vet. Med., 24: 73-82.

Alban, L., Agger, J.F., Lawson, L.G., 1996. Lameness in tied Danish dairy cattle: the possible influence of housing systems, management, milk yield, and prior incidents of lameness. Prev. Vet. Med., 29: 135-149.

Alban, L., Chriél, M., Tegtmeier, C., Tjørnehøj, K. 1999. Implantation of temperature loggers in 100 Danish dairy calves: surgical procedure and follow-up. Acta vet. Scand. 40: 75-83.

Alban, L., Ersbøll, A.K., Bennedsgaard, T.W., Johnsen, P.F., 2001. Validation of Welfare Assessment Methods at Herd Level: An Example. Acta Agric. Scand., Sect. A, Animal Sci., 30: 99-102.

Alban, L., Stryhn, H., Kjeldsen, A.M., Ersbøll, A.K., Skjøth, F., Christensen, J., Bitsch, V., Chríel, M., Strøger, U., 2001. Estimating transfer of bovine virus-diarrhoea virus in Danish cattle by use of register data. Prev. Vet. Med., 52: 133-146.

Alban, L., Olsen, A.-M., Nielsen, B., Sørensen, R., Jessen, B., 2002. Quantitative and quantitative risk assessment for human salmonellosis due to multi-resistant *Salmonella* Typhimurium DT104 from consumption of Danish dry-cured pork sausages. Prev. Vet. Med., 52:251-265.

Alban, L., Stege, H., Dahl, J., 2002. The new classification system for slaughter-pig herds in the Danish Salmonella surveillance-and-control program. Prev. Vet. Med., 53:133-146.

Alban, L., Stärk, K.D.C., 2005. Where should the effort be put to reduce the Salmonella prevalence in slaughtered swine carcass effectively? Prev. Vet. Med., 68: 63-79.

Alban, L., Nielsen, E.O., Dahl, J., 2008. A human health risk assessment for macrolide-resistant *Campylobacter* associated with the use of macrolides in Danish pig production. Prev. Vet. Med., 83, 115-129.

Alban, L., Boes, J., Kreiner, H., J.V. Petersen, Willeberg, P. 2008. Towards a risk-based surveillance for *Trichinella* spp. in Danish pig production. Prev. Vet. Med., 87, 340-357.

Alban, L., Sørensen, L.L., 2010. Dekontaminationstechnik mit heissem Wasser – Effektive Reduktion des Salmonellenrisikos in Schweinefleisch. Fleischwirtschaft, 90 (9), 109 -113.

Alban, L., Barfod, K., Petersen, J.V., Dahl, J., Ajufo, J.C., Sandø, G., Krog, H.H., Aabo, S., 2010. Description of Extended Pre-Harvest Pig Salmonella Surveillance-and-Control Programme and its Estimated Effect on Food Safety Related to Pork. Zoonoses & Public Health. 57 (Suppl. 1) 6-15.

Alban, L., Sørensen, L.L., 2010. Hot-water decontamination – an effective way of reducing risk of Salmonella in pork. Fleischwirtschaft International, 6, 60-64.

Alban, L., Pozio, E., Boes, B., Boireau, P., Boué, F., Claes, M., Cook, A.J.C., Dorny, P., Enemark, H., van der Giessen, J., Hunt, K.R., Howell, M., Kirjusina, M., Nöckler, K., Rossi, P., Smith, G.C., Snow, L., Taylor, M.A., Theodoropoulos, G., Vallée, I., Viera-Pinto, M.M., Zimmer, I.A., 2011. Towards a standardised surveillance for *Trichinella* in the European Union. Prev. Vet. Med. Vol. 99, Issues 2-4, 148-160.

Alban, L, Baptista, FM, Møgelmose, V, Sørensen, LL, Christensen, H, Aabo, S, Dahl, J., 2012. Salmonella surveillance and control for finisher pigs and pork in Denmark – a case study. Food Research International, 45, 656-665.

Alban, L., Dahl. J., Andreasen, M., Petersen, J.V., Sandberg, M., 2013. Possible impact of the "yellow card" antimicrobial scheme on meat inspection lesions in Danish finisher pigs. Prev. Vet. Med., 108, 334-341.

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Alban, L., Petersen, J.V., Busch, M.E., 2015. A comparison between lesions found during meat inspection of finishing pigs raised under organic/free-range conditions and conventional indoor conditions. Porcine Health Management. 4. http://www.porcinehealthmanagement.com/content/1/1/4

Alban, L., Rugbjerg, H., Petersen, J.V., Nielsen, L.R., 2016. Stochastic scenario tree modelling of cost-effectiveness of risk-based antimicrobial residue monitoring in Danish pork. Prev. Vet. Med. 128, 87-94.

Alban, L., 2016. Regulatory Issues Associated with Preharvest Food Safety – European Union perspective. Microbiol Spectrum 4(5): PFS-0003-2014. doi:10.1128/microbiolspec.PFS-0003-2014.

Alban, L., Petersen, J.V., 2016. Ensuring a negligible risk of *Trichinella* in pig farming from a control perspective. Vet. Parasitol. 231, 137-144. http://dx.doi.org/10.1016/j.vetpar.2016.07.014

Alban, L., Andreasen, M., Dahl, J., Nielsen, E.O., Ellis-Iversen, J., Sönksen, U.W., 2017. Assessment of the risk to public health due to use of antimicrobials in pigs – the example of pleuromutilins in Denmark. Front. Vet. Sci. 4:74. http://dx.doi:10.3389/fvets.2017.00074

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Jakobsen, M.B., Alban, L., Nielsen, S.S., 1999. Paratuberculosis in dairy cattle: results of a cross sectional study on 1155 Danish dairy cows. Prev. Vet. Med., 46: 15-27.

Nielsen, B., Alban, L., Stege, H., Sørensen, L.L., Møgelmose, V., Bagger, J., Dahl, J., Baggesen, D.L., 2001. A new Salmonella surveillance and control programme in Danish pig herds and slaughterhouses. Berliner und Münchener tierärztliche Wochenschrift. 114(9-10):323-6.

Berendt, M., Gredal, H., Pedersen, L.G., Alban, L., Alving, J., 2001. A Cross-sectional Study of Epilepsy in Danish Labrador Retrievers: Prevalence and selected risk factors. J. Vet. Int. Med., 16, 262-268.

Bruun, J., Ersbøll, A.K., Alban, L., 2001. Risk factors for metritis in Danish dairy cows. Prev. Vet. Med. 54: 179-190.

Kranker, S. Alban, L., Boes, J., Dahl, J., 2003. Longitudinal Study of *Salmonella enterica* Infection in Three Danish Farrow-to-Finish Swine Herds. J. Clin. Microb, Vol. 41, No. 6, p. 2282-2288.

Ekeroth, L., Alban, L., Feld, N., 2003. Single versus double testing of meat-juice samples for *Salmonella* antibodies, in the Danish pig herd surveillance programme. Prev. Vet. Med., 60, 155-165.

Johansen, M., Alban, L., Kjærgsgård, H.D., Bækbo, P., 2004. Factors associated with suckling piglet average weight gain. Prev. Vet. Med., 63: 91-102.

Sørensen, L.L., Alban, L., Nielsen, B., Dahl, J., 2004. The Correlation Between *Salmonella*-serology and Prevalence of Bacteria in Danish slaughter Pigs. Vet. Microbiol., 101, 131-141.

Boklund, A., Alban, L., Mortensen, S., House, H., 2004. Biosecurity in 116 Danish fattening swineherds: descriptive results and factor analysis. Prev. Vet. Med., 66, 49-62.

Boes, J, Alban, L., Bagger, J., Møgelmose, V., Baggesen, D.L., Olsen, J.E., 2005. Survival of *Salmonella* Typhimurium and *Escherichia coli* in slurry applied to clay soil on a Danish swine farm. Prev. Vet. Med., 69: 213-228.

Goldbach, S.G., Alban, L., 2006. A cost-benefit analysis of *Salmonella*-control strategies in Danish pork production. Prev. Vet. Med., 77, 1-14.

Hill, A.A, Snary, E.L., Arnold, M.E., Alban, L., Cook, A.J.C., 2006. Dynamics of Salmonella Transmission on a British Grower-Finisher Farm: a Stochastic Model. Epidemiology and Infection 136, 320-333.

Sørensen, L.L., Wachmann, H., Alban, L., 2007. Estimation of *Salmonella* prevalence on individual-level based upon pooled swab samples from swine carcasses. Vet. Mic. 119, 213-220.

Sato, K., Bartlett, P.C., Alban, L., Agger, J.F., Houe, H., 2008. Managerial and environmental determinants of clinical mastitis in Danish dairy herds. Acta vet Scand., 50: 4 http://www.actavetscand.com/content/50/1/4

Anfinsen, K.P., Berendt, M. Liste, F.J.H., Haagensen, T.R., Indrebo, A., Lingaas, F., Stigen, O., Alban, L., 2008. A retrospective epidemiological study of clinical signs and familial predisposition associated with aseptic meningitis in the Norwegian population of Nova Scotia duck tolling retrievers born 1994-2003. Can. J. Vet. Res., 08 72(4) 350-355.

Have, P., Alban, L., Berndtsson, L.T., Cliquet, F., Hostnik, P., Rodeia, S.C., Sanaa, M., 2008. Risk of rabies introduction by non-commercial movement of pets. Developments in biologicals. 131, 177-185.

Boklund, A., Goldbach, S.G., Uttenthal, Å., Alban, L., 2008. Simulating the spread of classical swine fever virus between a hypothetical wild-boar population and domestic pig herds in Denmark. Prev. Med. Vet., 85, 187-206.

Bronsvoort, B.M. de C., Alban, L., Greiner, M., 2008. Quantitative assessment of the likelihood of the introduction of classical swine fever virus into the Danish swine population. Prev. Vet. Med., 85, 226-240.

Baptista, F.M., Alban, L., Ersbøll, A.K., Nielsen, L.R., 2009. Factors affecting persistence of high Salmonella serology in Danish pigs herds. Prev. Vet. Med. 92, 301-308.

Berendt, M., Gullov, C.H., Christensen, S.L.K., Gudmundsdottir, H., Gredal, H., Fredholm, M, Alban, J.,

2008. Prevalence and characteristics of epilepsy in the Belgian shepherd variants Groenendael and Tervueren born in Denmark 1995-2004. Acta Vet. Scand. 50: 51 doi:10.1186/1751-0147-50-51

Abatih, E.N., Alban, L., Ersbøll, A.K., Wong, D.L.F.M., 2009. Impact on antimicrobial usage on the transmission dynamics of antimicrobial resistant bacteria among pigs. J. Theoret. Biol. Vol. 256, issue 4, 561-573.

Boklund, A., Toft, N., Alban, L., Uttenthal, Å., 2009. Comparing the epidemiological and economic effects of control strategies against classical swine fever in Denmark. Prev. Vet. Med. Vol. 90, Issues 3-4, 180-193.

Boes, J., Kanora, A., Havn, K.T., Christiansen, S., Vestergaard-Nielsen, K., Jacobs, J., Alban, L., 2010. Effect of *Ascaris suum* infection on performance of fattening pigs. Vet. Parasitol. 172(3-4), 269-76

Baptista, F.M., Alban, L., Nielsen, L.R., Domingos, I., Pomba, C., Almeida, V., 2010. Use of Herd Information for Predicting Salmonella Status in Pig Herds. Zoonoses and Public Health. 57 (Suppl. 1), 49-59.

Benschop, J., Spencer, S., Alban, L., Stevenson, M. & French, N., 2010. Bayesian zero-inflated predictive modelling of herd-level *Salmonella* prevalence for risk-based surveillance. Zoonoses and Public Health, 57 (Suppl. 1) 60-70.

Ersbøll, A.K., Ersbøll, B.K., Houe, H., Alban, L., Kjeldsen, A.M., 2010. Spatial modelling of the between-herd infection dynamics of bovine virus diarrhoea virus (BVDV) in dairy herds in Denmark. Prev. Vet. Med., 97, 83-89.

Baptista, F.M., Halasa, T., Alban, L., Nielsen, L.R., 2011. Modelling food safety and economic consequences of surveillance and control strategies for Salmonella in pigs and pork. Epid. Inf. 139, 754-764.

Andreasen, M., Alban, L., Dahl, J., Nielsen, A.C., 2011. Risk-mitigation for antimicrobial resistance in Danish swine herds at a national level. Journal of Agricultural Science and Technology. A 2, 412-416.

Soumpasis, I., Alban, L., Butler, F. 2012. Controlling *Salmonella* infections in pig farms: A framework modelling approach. Food Research International, 45, 1139-1148.

Baptista, F.M. Alban, L., Olsen, A.M., Petersen, J.V., Toft, N., 2012. Evaluation of the antibacterial residue surveillance programme in Danish pigs using Bayesian methods. Prev. Vet. Med. 106, 308-314.

Calvo-Artavia, F.F. Nielsen, L.R., Dahl, J., Clausen, D. M., Graumann, A.M., Alban, L., 2012. A case-control study of risk factors for bovine cysticercosis in Danish cattle herds. Zoonoses and Public Health. 60(4):311-8. doi: 10.1111/j.1863-2378.2012.01537.x

Calvo-Artavia, F.F., Nielsen, L.R., Alban, L., 2012. Epidemiologic and economic evaluation of risk-based meat inspection for bovine cysticercosis in Danish cattle. Prev. Vet. Med., 1;108(4):253-61

Calvo-Artavia, F.F., Nielsen, L.R., Alban, L., 2012. Occurrence and factors associated with bovine cysticercosis recorded in cattle at meat inspection in Denmark 2004-2011. Prev. Vet. Med. 110, 177-182.

Boklund, A., Dahl, J, Alban, L., 2013. Assessment of confidence in freedom from Aujeszky's disease and classical swine fever in Danish pigs based on serological sampling - effect of reducing the number of samples. Prev. Vet. Med., 110, 214-222.

Kaiser, M., Kristensen, C.S., Bækbo, P., Alban, L., 2013. Treatment of shoulder ulcers in sows – Rubber mats and zinc ointment compared to chlortetracycline spray. Acta Vet Scand. 55:12. doi: 10.1186/1751-0147-55-12.

Calvo-Artavia, F.F., Alban, L., Nielsen, L.R., 2013. Evaluation of surveillance for documentation of freedom from bovine tuberculosis. Agriculture, 3, 310-326.

Hoinville, L.J., Alban, L., Drewe, J.A., Gibbens, J.C., Gustafsson, L., Häsler, B., Saegerman, C., Salman, M., Stärk, K.D.C., 2013. Proposed terms and concepts for describing and evaluating animal-health surveillance terms. Prev. Vet. Med. 112, 1-2, 12 pp. http://dx.doi.org/10.1016/j.prevetmed.2013.06.006

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spectrum beta-lactamases/AmpC beta-lactamases-producing *Escherichia coli* in meat in Denmark. Infection Ecology & Epidemiology, 4**:** 22924 - http://dx.doi.org/10.3402/iee.v4.22924

Gomes, C.C, Economou, T., Bailey, T.C., Brazdil, P., Alban, L., Ribeiro, J.N., 2014. Transmission parameters estimated for *Salmonella* Typhimurium in swine using susceptible-infectious-resistant models and a Bayesian approach. BMC Veterinary Research. 10, 101. 11 pp.

Kruse, A.B., Larsen, M.H., Skou, P.B., Alban, L., 2015. Assessment of human health risk associated with pyaemia in Danish finisher pigs when conducting visual only inspection of the lungs. International Journal of Food Microbiology. 196: 32-39.

Sandberg, M., Sørensen, L.L., Steenberg, B., Chowdhury, S., Ersbøll, A.K., Alban, L., 2015. Risk factors for *Campylobacter* colonization in Danish broiler flocks, 2010 to 2011. Poultry Science. http://dx.doi.org/10.3382/ps/peu065

Foddai, A., Nielsen, L.R., Willeberg, P., Alban, L., 2015. Comparison of output-based approaches used to substantiate bovine tuberculosis free status in Danish cattle herds. Prev. Vet. Med., 121, 21-29.

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Jordt, A.M., Lange, M., Kramer-Schadt, S., Nielsen, L.H., Nielsen, S.S., Thulke, H.-H., Vejre, H., Alban, L., 2015. Spatio-temporal modeling of the invasive potential of wild boar - a conflict-prone species - using multi-source citizen science data. Prev. Vet. Med., 124: 34-44. doi:10.1016/j.prevetmed.2015.12.017

Bækbo, A.K., Petersen, J.V., Larsen, M.H., Alban, L., 2016. Food safety value of handling chronic cases of pyaemia in finishing pigs by use of de-boning. Food Control, 69, 177-184

Denver, S. Alban, L., Boklund, A., Houe, H., Mortensen, S., Rattenborg, E., Tamstorf, T.V., Zobbe, H., Christensen, T. 2016. The costs of preventive activities for exotic contagious diseases - A Danish case study of foot and mouth disease and swine fever. Prev. Vet. Med., 131, 111-120.

Fernandes, L., Centeno, M.M., Couto, N, Nunes, T., Almeida, V., Alban, L., Pomba, C., 2016. Longitudinal characterization of monophasic Salmonella Typhimurium throughout the pig's life cycle. Vet. Microbiol. 192, 321-237.DOI: 10.1016/j.vetmic.2016.07.018

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Review of transmission routes of 24 infectious diseases preventable by biosecurity measures and comparison of the implementation of these measures in pig herds in six European countries. Transbound Emerg Dis. 00:1–18. DOI: 10.1111/tbed.12758

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Kruse, A.B., Nielsen, L.R., Alban, L., 2018. Sow herd typologies based on biosecurity, productivity, antimicrobial and vaccine use data. Accepted for publication in Prev. Vet. Med.

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Sandberg, M., Alban, L., Steenberg, B., 2011. Evaluation of the usefulness of carcass-weight, meat percentage or identity of pig-producer in future risk-based meat inspection. 9th SafePork, Maastricht, The Netherlands. P. 21.
Sandberg, M., Nygaard, C., Alban, L., 2011. Ranking food safety risks in pork from organic and free-range production systems. 9th SafePork, Maastricht, The Netherlands. P. 68.
Calvo-Artavia, F.F., Nielsen, L.R., Alban, L., 2012. A stochastic scenario tree model for the evaluation of risk-based meat inspection for bovine cysticercosis. SVEPM, Glasgow, United Kingdom. 124-135.
Calvo-Artavia, F.F., Nielsen, L.R. and Alban, L., 2012. Estimation of surveillance system sensitivity for bovine tuberculosis in Denmark. ISVEE XIII, Maastricht, The Netherlands.
Calvo-Artavia, F.F., Nielsen, L.R. and Alban, L., 2012. Cost-benefit evaluation of risk-based meat inspection for bovine cysticercosis in a Danish cattle abattoir. 13th ISVEE Symposium, Maastricht, The Netherlands.
Pacheco, G., Kruse, A.B., Petersen, J.V., Alban, L., 2013. Assessment of risk associated with a change in meat inspection – Is mandatory palpation of the liver and lungs a necessary part of meat inspection of finisher pigs? 64 pp. http://lf.dk/aktuelt/publikationer/svinekod
Carmo, L., P., Nielsen, L.R., da Costa, P.M., Alban, L., 2013. Exposure assessment of ESBL in meat. SVEPM, Madrid, Spain.
Nielsen L.R., Calvo-Artavia, F. Alban, L., 2013. Modernisaton of meat inspection to prevent zoonotic risks in beef. Med-Vet-Net Association International Scientific Conference. DTU, Lyngby, Denmark. p. 38
Sandberg, M., Hansen, F., Christensen, H., Alban, L., 2013. Assessment of human risk for yersiniosis after consumption of Danish produced non-heat-treated ready-to-eat pork products. 10th Safepork, Portland, Maine. Abstract No. 1429.
Carmo, L.P., Nielsen, L.R., da Costa, P.M., Alban, L., 2013. Exposure assessment of extended-spectrum beta-lactamases/AmpC beta-lactamases-producing *Escherichia coli* in meat in Denmark. 10th Safepork, Portland, Maine. Abstract No. 1445.
Bækbo, A. K., Petersen, J. V., Larsen, M. H., Alban, L., 2015. Handling of chronic cases of pyaemia/osteomyelitis in finisher pigs in Denmark - is de-boning necessary to maintain food safety? 11th Safepork, Porto, Portugal. 83-88.
Carmo, L. P., Schüpbach. G., Müntener, C., Alban, L., Nielsen, L. R., Magouras, I., 2015. Quantification of antimicrobial use in Swiss pigs: comparison with other Swiss livestock species and with Danish pigs. 11th Safepork, Porto, Portugal. 135.
Pereira-Fernandes, C., Alban, L., Teixeira, L., Niza-Ribeiro, J., 2015. Assessment of *Salmonella* spp, Typhimurium or Derby potential risk factors in Danish breeding pig holdings using multilevel approach. 11th Safepork, Porto, Portugal. 169-173.
Temten, C., Alban, L., Pedersen, K.S., Nielsen, L.R., 2015. Associations between vaccination and antimicrobial consumption in Danish pig herds, 2013. 11th Safepork, Porto, Portugal. 329-333.
Kruse, A.B., Nielsen, L.R., Alban, L., 2015. Vaccination against Actinobacillus pleuropneumoniae as an alternative strategy to antimicrobial use in Danish pig herds. 11th Safepork, Porto, Portugal. 347-349.
Christensen, T., Denver, S., Alban, L., Boklund, A., Houe, H., Hougaard, J.L., Mortensen, S., Rasmussen, S.D., Rattenborg, E., Tamstorf, T.V., Toft, N., Zobbe, H., 2015. Preventing foot and mouth disease – how are the costs divided between the public authorities and the pig and cattle industries in Denmark? ISVEE XIV, Merida, Mexico. Abstract No. 220.
Kruse, A.B., Nielsen, L.R., Alban, L., 2015. Antimicrobial consumption and vaccination against PCV2 in Danish pig herds. ISVEE XIV, Mexico. Abstract No. 368.

Foddai, A., Nielsen, L.R., Willeberg, P., Alban, L., 2015. Comparing output-based surveillance models to substantiate the tuberculosis free status of the Danish cattle population. ISVEE XIV, Merida, Mexico. Abstract No. 130.

Foddai, A., Nielsen, L.R., Krogh, K., Alban, L., 2015. Assessment of the probability of introduction of bovine tuberculosis to Danish cattle farms. ISVEE XIV, Merida, Mexico. Poster No. 196.

Carmo, L.P., Dorado-Garcia A., Collineau, L., Falzon, L.C., Schüpbach-Regula, G., Stärk, K., Alban, L., Nielsen, L.R., Müntener, C., Heederik, D.J.J., Wagenaar, J.A., Magouras, I., 2015. Relationship between antimicrobial usage and resistance in food-producing animals – A systematic review. ISVEE XIV, Merida, Mexico. Poster No. 131

Bækbo, A. K., Petersen, J.V., Cucurella, C., Dominguez, F.J., Ghidini, S., Hviid, M, Ellebroek, L., Kruse, A.B., Thune-Stephensen, F., Ooburg, D., Højgaard, A.R., Alban, L., 2015. Visual-only meat inspection in swine - Different status for implementation in European countries. Fleischwirtsschaft International. vol. 30 (6), 26-31. http://english.fleischwirtschaft.de/epaper/29/epaper/index.html

Kruse, A.B., Nielsen, L.R., Johansen, C., Alban, L., 2016. Association between biosecurity, productivity and antimicrobial use in Danish pig herds. IPVS, Dublin, Ireland. O-HHM3-010. p. 152.

Temten, C., Alban, L., Nielsen, L.R., Pedersen, K.S., Kruse, A.B., 2016. The impact of vaccination on the consumption of antimicrobials in Danish pig herds, 2013. IPVS, Dublin, Ireland. O-VET2-008. p. 125.

Denver, S., Alban, L., Houe, H., Mortensen, S., Boklund, A., Halasa, T., Christensen, T., 2017. Are there economic benefits of improving the contingency plan for foot and mouth disease in Denmark? ISESSAH, Aviemore, Scotland. Poster

Christensen, T., Alban, L., Houe, H., Mortensen, S., Boklund, A., Hansen, H.O., Lind, K.M.H., Denver, S., 2017. The marketing of veterinary preparedness is an overlooked asset in Danish export strategies. ISESSAH, Aviemore, Scotland. Poster

Lopes, R., Kruse, A.B., Nielsen, L.R., Nunes, T.P, Alban, L., 2017. Association between antimicrobial prescriptions, production and biosecurity in sows using Additive Bayesian Networks. SVEPM, Inverness, Scotland. Poster.

Vieira-Pinto, M., Azevedo, J., Pires, I., Alban, L., Ellerbroek, L., Igrejas, G., Poeta, P., 2017. Harmonisation of sanitary decision criteria for vertebral osteomyelitis in pig carcasses. 12th Safepork, Iguacu, Brazil.

Kruse, A.B., Nielsen, L.R., Alban, L., 2018. Analysis of joint effect between biosecurity, production, vaccine, and antimicrobial use. SVEPM proceeding. 21-23. March 2018. Estonia.

SELECTED PRESENTATIONS IN DANISH, WHERE I AM CO-AUTHOR (since 2016)

van Maarschalkerweerd, M., Olsen, A.-M., Dresling, A., Alban, L., 2016. Restkoncentrationer af hormoner, forbudte stoffer og miljøgifte i kød og slagtedyr under EU-direktiv 96/23 - En beskrivelse af overvågningen og tekniske muligheder for effektivisering. Intern Rapport. Landbrug & Fødevarer. 29 pp.

Hansen, R.K., Alban, L., Nielsen, L.H., Dahl, J., 2017. Offentligt tilsyn grundet tuberkuloselignende forandringer hos svin efter brug af ubehandlet spagnum. SEGES Notat Nr. 1709. 17. marts 2017. 9 pp. http://vsp.lf.dk/~/media/Files/PDF%20-%20Publikationer/Notater%202017/Notat_1709.pdf

Ramvad, C., Glavind, A.-S., Kruse, A.B., Johansen, C., Alban, L., Nielsen, L.R., 2017. Vurdering af smittebeskyttelse i danske svinebesætninger. Dansk Veterinærtidsskrift, No. 8. 18-23.

AWARDS

2004. Received 75,000 DKK as price from Norma & Frode S. Jacobsens Foundation for: Alban, L., Bigras-Poulin, A., Boklund, A., Bronsvoort, B.M. de C., Greiner, M., Olsen, A.-M., Thompson, A. Risk of exotic swine diseases entering and spreading in the Danish pig population: Analysis of probabilities, consequences, and ways of management. Essay. 65 pp.

STAYS ABROAD

1986-1987 Lived in Chile, studied Spanish for 6 months, and worked as a trainee for a cattle vet in

Southern Chile for 3 months and travelled for 3 months
1991 – Worked as a small animal surgeon in Wales, United Kingdom, May-December 1991
2011 - Research stay at San Cataldo Monastery in Scala, Southern Italy, 14.-28. November 2011.
2014 - Research stay at San Cataldo Monastery in Scala, Southern Italy, 14.-28. November 2014.
2016 – Research stay at San Cataldo Monastery in Scala, Southern Italy, 14.-28. June 2016.

AUTHOR OR CO-AUTHOR OF CHAPTER OR BOOK

Alban, L., Bådsgård, N.-P., Halberg, N., Jensen, K.H., Jensen, K.K., Johannesson, T., Kristensen, O., Michelsen, J., Munksgaard, L., Petersen, B.K., Sandøe, P., Seadi, T.E., Sørensen, J.T., Vestergaard, E.-M., 1998. Etisk Regnskab for husdyrbrug. (red.) Sørensen, J.T., Sandøe, P. og Halberg, N. Intern rapport nr. 103, Forskningscenter Foulum

Alban, L., Bådsgård, N.-P., Halberg, N., Jensen, K.H., Jensen, K.K., Johannesson, T., Kristensen, O., Michelsen, J., Munksgaard, L., Petersen, B.K., Sandøe, P., Seadi, T.E., Sørensen, J.T., Vestergaard, E.-M., 1998. Etisk Regnskab for husdyrbrug. (red.) Sørensen, J.T., Sandøe, P. og Halberg, N. DSR Forlag, Frederiksberg. 216 pp.

Enemark, H.L., Johansen, M.V., Alban, L., 2015. Transmission dynamics of foodborne parasites in pork (pig and wild boar). In: A. Gajadhar (ed.) Parasite Transmission Dynamics in Food Sources. PART III -Chapter 11. Woodhead Publishing Ltd. 259-292.

Alban, L., 2016. Regulatory Issues Associated with Preharvest Food Safety – European Union perspective. Microbiol Spectrum 4(3):PFS-0003-2014. doi:10.1128/microbiolspec.PFS-0003-2014.

EXPERT GROUPS / INTERNATIONAL COLLABORATION (only included since 2000)

2004 - Epilab project about risk of introduction of exotic swine diseases to Denmark. I acted as project leader and Mark Bronsvoort from the United Kingdom was the visiting scientist.

2004-2005 - Acting as risk assessor in European Food Safety Authority (EFSA) working group about risk of transmission of PRRS virus in pork. Report can be found on: http://www.efsa.europa.eu/en/scdocs/scdoc/239.htm

2005 – Rapporteur for EFSA working group in colloquium about the development of guidelines for risk assessment for animal welfare.

2006 – Participation in EFSA expert group working with rabies and movement of pets. Report can be found on: http://www.efsa.europa.eu/etc/medialib/efsa/science/ahaw/ahaw_opinions/ej436_rabies.Par.0001.File.dat/ahaw_op_ej436_rabies_en.pdf

2007 – Participation in EFSA workshop about Risk Assessment in Animal Welfare. Wienna, Austria.

2007 – Teaching human health risk assessment for antibiotic resistance. TRAINAU workshop for Ph.D-students. Tune Agricultural School, Greve, Denmark.

2009-2010 – Participation in expert group about parasites under EFSA. Reports:

1) Development of harmonised schemes for the monitoring and reporting of *Trichinella* in animals and foodstuffs in the European Union http://www.efsa.europa.eu/en/scdocs/scdoc/35e.htm

2) Development of harmonised schemes for the monitoring and reporting of *Cysticercus* in animals and foodstuffs in the European Union http://www.efsa.europa.eu/en/scdocs/scdoc/34e.htm eller http://www.efsa.europa.eu/en/supporting/doc/34e.pdf

2010 – Visit from Russia. Planing and handling of 5-day course for Russian laboratory people from Moscow and St. Petersburg about antimicrobial resistance.

2010 – Project collaboration with Royal Veterinary College, London, United Kingdom about Modernization of meat inspection.

2010 – Participated in expert working group about the New Zealand authorities' risk assessment for introduction of PRRS virus through imported pork

2010 – Project leader for EFSA project Overview on current practices of meat inspection in the EU. Scientific/Technical Report. http://www.efsa.europa.eu/en/supporting/pub/190e.htm

2011 – Planning and hosting 2-day visit from US Governmental Accountability Office (GAO). Subject: Control of use of antimicrobials in livestock.

2011 – Planning and hosting visit from Russia; 3-day course for Russian laboratory people from Moscow and St. Petersburg. Subject: Food safety.
2011 – Planning and hosting seminar about the Danish Livestock sector – with focus on the veterinary aspects" for foreign researchers affiliated by Univ. of Copenhagen and the Danish Technical University". Axelborg, Copenhagen, Denmark.
2011 - Expert in connection with external scientific collaboration for EFSA about animal health and modernization of meat inspection in collaboration with Ellerbroek, L., Mateus, A., Stärk, K., Alonso, S., Lindberg, A., 2011. Contribution of meat inspection to animal health surveillance in Swine http://www.efsa.europa.eu/en/supporting/pub/191e.htm?WT.mc_id=EFSAHL01&emt=1.
2012 – 2014 Appointed to be member of EFSA Stakeholder Consultative group on Emerging Risks.
2012 – Visit from Belgium. Planning and hosting workshop about the Danish antibiotic policy – in collaboration with DVFA and the Danish Knowledge Centre for Pig Production.
2012 – Participation in Round Table Discussion about the need for development of new type of antibiotics, organized by Pfizer, with participation of the EU commission, Brussels, Belgium.
2012 – Participation in Evaluation Panel about future course in risk assessment, Royal Veterinary College, London, United Kingdom.
2013 – Evaluation of project "Trial of visual inspection of fattening pigs from non-controlled housing conditions for the British Food Standard Agency.
2013 – Visit from the US National Pork Producers' Council, US National Pork Board, Univ. of Pennsylvania and Iowa State Univ. Planning and hosting 3-days workshop about the Danish antibiotic policy – in collaboration with DVFA and the Danish Knowledge Centre for Pig Production.
2013 – Invited as participant in workshop organised by the International Committee for Trichinella. Best Practices in Documenting Low or Negligible Risk Status. Berlin, Germany.
2013 – Acted as external reviewer of risk analysis with the title "Rabies Import Risk Analysis Including Quantitative Risk Estimation For The Hawaii Department of Agriculture" undertaken by Dr. Solenne Costard & Dr. Francisco J. Zagmutt, from EpiX Analytics.
2013 – Participation in seminar about women in veterinary public health. Organized by Katharina Stärk, Faulensee, Switzerland.
2013 – Representing the European Meat Processors' Organization CLITRAVI in seminar about "How to make meat controls to strengthen consumer confidence in the meat chain" organized by the EU Commission in collaboration with UECBV and FSA. Brussels, Belgium.
2013 – Evaluation of research project description about use of antibiotic in Swiss pig herds for the Swiss authorities
2013 – Participation in Joint Codex/FAO/WHO Expert Meeting on Trichinella and Cysticercus bovis. Geneva, Switzerland.
2013-2014 – Evaluation of research project proposals dealing with Cysticercus bovis for the British Food Standard Agency.
2014 – Host at meeting about risk analysis for Hajime Toyofuku, Yamaguchi University and Kohei Makita, Rakuno Gakuen University, Japan. Copenhagen, Demark.
2014 – 2016 Re-appointed as member of EFSA Stakeholder Consultative group on Emerging Risks.
2014 – Acted as external evaluator of extension-project "Trial of visual inspection of fattening pigs from non-controlled housing conditions" for the British Food Standard Agency.
2013-2015 – Member of scientific committee i RISKSUR project about animal health financed by FP7.
2014 – Participation in Joint Codex/FAO/WHO Expert Meeting on Trichinella and Cysticercus bovis. Rome, Italy.
2014 – Host at workshop about "Ways of monitoring use of antimicrobials" for ECVPH residents in connection with the annual meeting in European College of Veterinary Public Health, Copenhagen, Denmark.
2014 – Organized workshop about veterinary public health in relation to visit by David Jordan, Principal Research Scientist at NSW Department of Primary Industries, Wollongbar, NSW, Australia. Copenhagen, Denmark.
2015 – Participation as expert in Evidence Gatherering Project "Potential use of farm of origin

information for more targeted inspection of *Cysticercus bovis"*. Royal Veterinary College/SAFOSO/Food Standard Agency.

2015 – Participation on behalf of CLITRAVI in Codex meeting about development of guidelines for handling of Salmonella i beef and pork. Brussels, Belgium.

2015 – Organizer of SafePork workshop "Status for implementation of visual-only meat inspection in swine". 11th Safepork, Porto, Portugal.

2015 – Participation in Joint Codex/FAO/WHO Expert Meeting on control of non-typhoidal Salmonella spp. in beef and pork meat: Interventions and mitigations. Rome, Italy. FAO/WHO, 2016. Interventions for the Control of Non-typhoidal *Salmonella* spp. in Beef and Pork: Meeting report and systematic review. Microbiological Risk Assessment Series No. 30. Rome, Italy. 276 pp.

2015 – Planning and hosting workshop about risk analysis for Russian delegation from the newly established risk assessment institute in Moscow.

2016 – Teacher in 2-day course about risk analysis and risk management in production and processing of food of animal origin". St. Petersborg, Russia.

2016 – 2018 Re-appointed as member of EFSA Stakeholder Consultative group on Emerging Risks.

2016 – Participation in international SANTERO project about risk-based surveillance

2016 – Invited participant in workshop about Pre-Harvest Testing for Zoonotic Diseases organized by Thermofisher. Zürich, Switzerland.

2017 - Invited participant in workshop Future trends in antimicrobial resistance risk management organized by Thermofisher. Zürich, Switzerland.

2017 – Organizer of SafePork workshop "Status for implementation of visual-only meat inspection in swine". 12th Safepork, Iguacu, Brazil.

2017 – Invited to a panel debating commercial, economic, social and political perspective regarding pig production. Panel 4: How to prevent presence of residues in pig meat – on-farm actions and monitoring to check for compliance. 12th Safepork, Iguacu, Brazil.

2017 – Invited to discuss how to undertake risk assessments for antimicrobials with the European Medicines Agency. London, September 21, 2017.

2018 – Invited participant in First Annual General Meeting of ENETWILD project. 16.-18. January 2018, Parma, Italy.

2018 – 2020 Re-appointed as member of EFSA Stakeholder Consultative group on Emerging Risks.

2018 – Host for meeting with Rebecca Davies from University of Minnesota, who gave a presentation about "Quality Assurance in the Lab and in Research" at University of Copenhagen, March 19, 2018.

CENSOR

Censor for a number of undergraduate students, Master students or Ph.D.-students in Veterinary Epidemiology, Veterinary Public Health, or Population Medicine and Herd Health at the Univ. of Copenhagen.

Censor for a number of bachelor and Master's students for their final thesis at Univ. of Copenhagen.

EVALUATION OF PH.D.-THESIS:

2000 - Evaluation of Ph.D. thesis by Mohammed Kheir Omer, Norwegian Vet School. The epidemiology of Brucella spp. and Mycobacterium bovis infections in Eritrea.

2001 - Evaluation of Ph.D.-thesis by Madelaine Norström,Norwegian Vet School. An outbreak of respiratory disease associated with BRSV in Norwegian cattle herds.

2011 - Evaluation of Ph.D.-thesis by Idesbald Boone, University of Liege, Belgium. Quality Assurance in Quantitative Microbial Risk Assessment: Application of methods to a model for *Salmonella* in pork.

2013 – Evaluation of Ph.D.-thesis by Héctor Argüello Rodríguez from Departamento Patologia Animal, Universidad de Leon, Spanien. Salmonella infection in pig production in Spain: risk factors in breeding pigs, control strategies in finishing pigs and the role of the slaughtering in the pork contamination (only written evaluation).

2014 - Evaluation of Ph.D.-thesis by Carla Sofia Correia Gomes from Instituto de Ciencias Biomédicas

Abel Salazar, University of Porto, Portugal. Salmonella in Swine in Portugal – Characterization of Risk Factors and Modeling infection.

2014 - Evaluation of Ph.D.-thesis by Sara Schärrer, University of Basel, Switzerland. The slaughterhouses as data source for monitoring programmes in cattle.

2016 - Evaluation of Ph.D.-thesis by Pia Brandt, Danish Meat Research Institute / Århus University. Assessment of welfare of finishing pigs from farm to slaughter.

2016 - Evaluation of Ph.D.-thesis by Phillip Mark Gurman. University of Tasmania, Australia. Quantitative Microbial Process Model to Estimate the Risk of Salmonellosis from Consuming Pork and Pork Products (only written evaluation).

2016 - Evaluation of Ph.D.-thesis by Anouk Veldhuis, Utrecht University, The Netherlands. Surveillance of emerging diseases in cattle – Application to the Schmallenberg virus epidemic in the Netherlands.

2017 - Evaluation of Ph.D.-thesis by Anne Mette Bollerslev, Danish Food Institute, Denmark. Risk-based approaches for evaluating hygiene performance in pork processing.

COURSE LEADER (only since 2000):

2004 - Course leader at Nordic Society for Veterinary Epidemiology (NOSOVE) course in Analysis of Mixed Models. Teacher: Henrik Stryhn. Borrevejle, Denmark.

2008 - Course leader at Nordic Society for Veterinary Epidemiology (NOSOVE) course i Freedom from Disease. Gilleleje, Denmark.

PARTICIPATION IN COURSES IN STATISTICS, EPIDEMIOLOGY AND RISK ASSESSMENT:

1993 - Nordic Council's Research Course in i Veterinary Epidemiology, I. Teacher: Ian Dohoo. Suitia, Finland.

1994 - Nordic Council's Research Course i Veterinary Epidemiology, II. Teachers: Ian Gardener and Tim Carpenter. Tune, Denmark.

1995 - Nordic Council's Research Course i Veterinary Epidemiology, III. Biri, Norway.

1995 - NOSOVE course in diagnostic testing. Askov, Denmark.

1996 - NOSOVE course in clinical trials. Malmø, Sweden.

1997 - Multi-level modelling course, Tune, Denmark.

1997 - NOSOVE course in repeated measurements. Teachers: Ynte Schukken og Yrje Gröhn. Oslo, Norway.

1998 - Ph.D.-course in Multivariate analysis and random effects organized by Per B. Brockhoff. Institute for Mathematics and Physics, Univ. of Copenhagen, Denmark.

1998 - NOSOVE course in survival analysis. Teacher: Yrje Gröhn. Helsinki, Finland.

1998 - Participation in study group about risk analysis. Univ. of Copenhagen.

1999 - NOSOVE course in analysis of Multi-dimensional epidemiologic data. Teacher: Dirk Pfeiffer. Tune, Denmark.

2000 - Course in risk analysis organized by University of Reading and Veterinary Laboratory Agency, Weybridge, Uniter Kingdom. Teachers among others Louise Kelly and Marion Wooldridge. Reading, United Kingdom.

2000 - Course in population dynamics in connection with ISVEE i Colorado. Teachers among others Mart de Jong.

2000 - Ph.D.-course arrangeret of RAPH. Risk analysis in Animal Health and Food Safety.Univ. of Copenhagen. Teachers: Dirk Pfeiffer and Katharina Stärk.

2000-2001 - Participation in study group population dynamic under the head of associate professor Annette Ersbøll, Univ. of Copenhagen.

2001 - NOSOVE course in population dynamic. Teacher: Mart de Jong. Oslo, Norway,

2002 - Course in quantitative risk analysis. Teacher: David Vose. Organised by the Danish Veterinary Instutute, Copenhagen, Denmark.

2002 - Course in quantitative risk analysis. Teacher: Noel Murray. Swiss Federal Veterinary Office, Bern, Switzerland.

2004 - NOSOVE course in Analysis of Mixed Models. Teacher: Henrik Stryhn. Borrevejle, Denmark.

2004 - Course in microbiologic quantitative risk assessment. Teachers: Husni Mohammed & Moez Sana. Pamplona, Spain.
2005 - NOSOVE course in geographical information systems (GIS) and geo statistics. Teacher: Dirk Pfeiffer. Stockholm, Sweden.
2006 - NOSOVE course in Estimation of Prevalence and Incidence for use in Descriptive Epidemiology and Risk Assessment. Teacher: David Vose. Oslo, Norway.
2006 - Course in Risk-based national surveillance, ISVEE in Cairns, Australia. Teachers: Ulrich Kihm, Katharina Stärk and Marcus Doherr.
2007 - NOSOVE course in Surveys and monitoring systems. Teachers: Nils Toft and Marcus Doherr. Helsinki, Finland.
2008 - NOSOVE course in Freedom from Disease. Teacher: Tony Martin. Gilleleje, Denmark.
2009 - Pre-ISVEE workshop: Methods for Effective surveillance. Organised by VLA Weybridge/DEFRA. Durban, South Africa.
2010 - NOSOVE course i Economics of animal health and surveillance. Teacher: Karl Rich. Oslo, Norway.
2012 - Excel-course, Axelborg, Denmark.
2013 - NOSOVE course i Introduction to R and Advanced prevalence estimation using R. Teachers Anja Bråthen Kristoffersen, Matthias Greiner, Håkan Vigre and Nils Toft. Copenhagen, Denmark.

PARTICIPATION IN HUMAN RESOURCE/LEADERSHIP COURSES ETC
1998-1999 - Participation in 1-year didactic course for assistant professors at Univ. of Copenhagen led by associate professor Helge Dohn, Univ. of Copenhagen.
2004 - Course in Project management 1. Danish Engineers' continued education. Silkeborg, Denmark.
2006 - Course "The project leader as coach". Danish Technological Institute. Tåstrup, Denmark.
2007 - Techniques and tools in optimal meeting management. DDD-course.
2011 - The successful proposal for EU FP7. Forsknings- og Innovationstyrelsen. Copenhagen, Denmark.
2013 - Course "Strong Relations". 6-months course. WOHA, Copenhagen, Denmark.
2015 – Two courses in retorics by Rhetor. Copenhagen, Denmark.
2016 - Course in management of conflicts "Have a nice conflict" organized by the Danish Vet Association. Aarhus, Denmark.
2016-2017 – "The neuro-affective compass". 12-months course. WOHA, Copenhagen, Denmark.

TEACHING (since 2000):
2000 - Ph.D.-course in epidemiology at Univ of Copenhagen-
2000-2001 – Certified Specialist course in pig herd management for vets.
2005 - Course in risk assessment for EFSA in collaboration with Husni Mohammed, Moez Sanaa, Telmo Nunes, and Matthias Greiner.
2010-2012 - Course organised by the Danish Veterinary Association "Antibiotics; the correct choice". in various places all over Denmark.
2011-2013 – Annual theme day about risk analysis for ELITE-students at Univ. of Copenhagen.
2011-2017 - Lecturing for Veterinary students in meat inspection at Univ. of Copenhagen – 4 times per year
2012-2013 – Annual organization of workshop about modernization of meat inspection/risk assessment and food safety for veterinary students at the food safety specialization at Univ. of Copenhagen.
2012 - Masters course in risk analysis. Univ. of Copenhagen. Course responsible: Liza Rosenbaum Nielsen, Univ. of Copenhagen.
2013-2017 – Organization of annual theme morning/afternoon about risk-based surveillance for *Cysticercus bovis* as part of Master's course in parasitology. Course responsible: Maria Vang Johansen, Univ. of Copenhagen.
2014 - Lecturing in risk analysis at the Herd and Public Health course. Univ. of Copenhagen.

2014 - Organized seminar about the surveillance programs in Danish agriculture for veterinary students. Course responsible: Liza Rosenbaum Nielsen and Hanne Ingmer, Univ. of Copenhagen
2014-2016 – Annual lecturing for participants in Ph.D.-course about antibiotic resistance at Univ. of Copenhagen. Course responsible: Arshnee Moodley, Valeria Bortolaia and Carmen Espinosa-Gongora
2014 - Lecturing about MRSA and Yellow Card – at Univ. og Copenhagen's One Health Summer School.
2014 - Teaching at Masters course in risk analysis. Univ of Copenhagen. Course responsible: Liza Rosenbaum Nielsen, Univ. of Copenhagen.
2015 - Lecture at workshop about Danish agriculture's surveillance program for Veterinary students at the production animal/One Health specialization. Course responsible: Liza Rosenbaum Nielsen, Univ. of Copenhagen
2015 - Organized 3-hour workshop about risk analysis for Veterinary students at One Health specialization. Univ. of Copenhagen.
2016 - Organized 2-hours workhop about risk analysis for Veterinary students at the One Health specialization. Univ. of Copenhagen
2016 - Lecturing about risk assessment for antimicrobials in relation to course "Environmental and Human Health Risk Assessment". Course responsible Tyler Joshua Kaspenbauer, Univ. of Copenhagen.
2017 - Lecturing at One Health Specialization course at Univ. of Copenhagen. Course responsible: Anders Dalsgaard.

SUPERVISION (since 2000):
2000 - Supervisor for Jette Pedersen in her Master's project. Co-supervisor Mette Vaarst fra Danmarks Jordbrugsforskning Foulum.
2000 - Supervisor for theme group consisting of Nana Lind and Mette Gilberg Petersen in Population medicine and Herd Health.
2000 - Supervisor for theme group consisting of Morten Vejlsted, Nina Schriver Nilsson and Johanne Birgitte Iversen in Population medicine and Herd Health Management.
2002-2003 - Co-supervisor for Jeanet Bruun, KVL, in her Ph.D.-study dealing with treatment of disease in dairy cows. Supervisor Annette Ersbøll (Univ. of Copenhagen), co-supervisor Jette Christensen (Statens Veterinære Serumlaboratorium).
2007-2010 - Co-supervisor for Filipa Matos Baptista in her Ph.D.-study on "Risk Based Surveillance of Salmonella in Production Animals in Denmark and Portugal". Supervisor Liza Rosenbaum Nielsen, Univ. of Copenhagen.
2010-2013 - Co-supervisor for Francisco Fernando Calvo-Artavia, in his Ph.D.-study "Improving Surveillance for *Cysticercus bovis* and *Mycobacterium bovis* at meat inspection". Supervisor Liza Rosenbaum Nielsen, Univ. of Copenhagen.
2010-2011 - Co-supervisor for Masters student Dorte Murmann Clausen. "Risk factors for Cysticercus bovis in cattle". Supervisor Liza Rosenbaum Nielsen, Univ. of Copenhagen.
2012 - Supervisor for Amanda Brinch Kruse in her industry project undertaken as part of her education in Food Science and Technology at Univ. of Copenhagen.
2013 - Co-supervisor for Astrid Molkte in her Master's project about wild boar in Denmark. In collaboration with Søren Saxmose Nielsen and Henrik Vejre, Univ. of Copenhagen.
2013 - Co-supervisor for Luís Pedro Carmo. ERASMUS-student from Portugal. ESBL and the role of meat for the exposure of humans. In collaboration with Liza Rosenbaum Nielsen, Univ. of Copenhagen.
2013 - Co-supervisor for Amanda Brinch Kruse in her Masters project dealing with the importance of pyaemia in finishing pigs. In collaboration with Marianne Halberg Larsen, Univ. of Copenhagen.
2013 - Co-supervisor for Veterinary student Marie Caspar Uth in her bachelor project "Antibiotic consumption and resistance in the Danish swine production.
2014 - Supervisor for Inam Rakel Yasin in her internship at Danish Agriculture & Food Council.

2014 - Co-supervisor for Carolina Temten. ERASMUS-student from Portugal. ”Association between use of PCV2 vaccine and antibiotics in swine production. In collaboration with Liza Rosenbaum Nielsen, Univ. of Copenhagen.

2014-2017 - Co-supervisor for Amanda Brinch Kruse in her Ph.D.-study ”Epidemiological and economic assessment of animal and human health effects of strategies to prevent antibiotic resistance in livestock. Supervisor Liza Rosenbaum Nielsen, Univ. of Copenhagen.

2014 - Supervisor for Helene Rugbjerg, DVFA, in relation to her Master of Veterinary Public Health at Univ. of Copenhagen. Title: Epidemiology and economic evaluation of risk-based monitoring of antimicrobial residues in pork products.

2013-2014 - Supervisor for Anne Kristine Bækbo in Master’s project ”Use of de-boning for chronic cases of pyaemia in Danish finisher pigs – Evaluation of efficiency and importance for food safety”. In collaboration with Marianne Halberg Larsen, Univ. of Copenhagen.

2013-2014 - Supervisor for Silja Unnarsdóttir in her Master’s project ”Accepted for de-boning – cattle”. In collaboration with Univ. of Copenhagen.

2014-2015 - Supervisor for Anne-Mette Olsen, DAFC in relation to her Masters project in Veterinary Public Health “Assessment of the “additional Danish guarantees” to ensure compliance with Russian standards for residues of tetracyclines in Danish pork for export” at Univ. of Copenhagen.

2014-2015 - Supervisor for Clarisse Fernandes. Veterinary student from Portugal. Subject: Risk factors for Salmonella in breeding and multiplier sow herds in Danmark. In collaboration with Porto University, Portugal.

2015 - Project host for Tanja Østergaard Pedersen in her industry study project

2015-2016 - Co-supervisor for Christina Johansen in her veterinary Master’s project. ”Assessment of biosecurity in 140 Danish swine herds” in collaboration with Liza Rosenbaum Nielsen, Univ. of Copenhagen.

2015-2016 - Supervisor for Tanja Østergaard Pedersen in her Master’s project ”Use of de-boning for chronic cases of pyaemia in Danish sows” at Univ. of Copenhagen. In collaboration with Marianne Halberg Nielsen, Univ. of Copenhagen.

2014-2017 - ECVPH co-supervisor for Madalena Viera-Pinto from Portugal in her residency program.

2014-2017 - ECVPH Supervisor for Marianne Sandberg from DAFC in her residency program.

2016 - Supervisor for Marie van Maarschalkerweerd in her industry internship at DAFC.

2016 - Supervisor for Tanja Østergaard Pedersen in her industry internship at DAFC.

2016 - Co-supervisor for Kristina Kofoed and Mia Vorslund-Kiær in their veterinary Master’s project. Title: Development and assessment of an in-house ELISA for the detection of Toxoplasma gondii antibodies in serum and meat juice from Danish pigs. In collaboration with Maria Vang Johansen, Univ. of Copenhagen.

2016-2017 - Co-supervisor for Anne-Sofie Glavind and Caroline Ramvad in their veterinary Master’s project. Title: Evaluation of validity and adjustment of questionnaire for the assessment of the biosecurity in Danish sow herds without finishing pigs. In collaboration with Liza Rosenbaum Nielsen, Univ. of Copenhagen.

2017 – Supervisor for Ricardo Lopes, veterinary student from Portugal, in his ERASMUS project about association between antimicrobial use, productivity, vaccines and biosecurity in collaboration with Liza Rosenbaum Nielsen, Univ. of Copenhagen.

2018-2021 – Project supervisor for Abbey Olsen in her industry Ph.D.-project about the role of pig meat for the exposure of humans to Toxoplasma gondii. In collaboration with Maria Vang Johansen, Univ. of Copenhagen, and Tina Birk Jensen, SEGES-Swine.