

Mette Sif Hansen
Associate Professor
Pathobiological Sciences
Postal address:
Grønnegårdsvej 7
1870
Frederiksberg C
Email: msha@sund.ku.dk
Phone: +4535326468
Web address: <https://ivh.ku.dk/forskning/patobiologi/>

Employment

Associate Professor

Pathobiological Sciences

Frederiksberg C

19 Aug 2019 → nu

Research outputs

Intranasal Inoculation with Classical Swine Fever Virus Provided a More Consistent Experimental Disease Model Compared to Oral Inoculation

Hansen, Mette Sif, Nielsen, J., Uttenthal, Å., Jensen, G. Ø. & Lohse, L., 2024, In: *Veterinary Sciences*. 11, 2, 56.

SKIN ULCERATIONS IN DANISH NURSERY PIGS

Barington, Kristiane, Pankoke, K., Hartmann, Katrine Top, Hansen, Mette Sif, Jensen, Henrik Elvang, Blirup-Plum, Sophie Amalie, Jørgensen, B. M., Nielsen, Jens Peter, Eriksen, E. Ø., Kudirkiene, E., Olsen, John Elmerdahl & Pedersen, Ken Steen, 30 Aug 2023.

Computed Tomography as a Method for Age Determination of Carnivora and Odontocetes with Validation from Individuals with Known Age

Baier-Stegmaier, S., Gundlach, C., Chriél, M., Hansen, Mette Sif, Vedel-Smith, C., Hansen, C. V., Johansson, D. K., Henriksen, L. B., Wahlberg, M., Thøstesen, C. B., Alstrup, A. K. O., Gregersen, K. M., Pertoldi, C. & Pagh, S., 2023, In: *Animals*. 13, 11, 1783.

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.

Immunogenicity of Bacillus Calmette-Guérin in pigs: potential as a translational model of non-specific effects of BCG

Jensen, K. J., Hansen, Mette Sif, Skovgaard, K., Svensson, E., Larsen, Lars, Heegaard, P. M. H., Benn, C. S. & Jungersen, G., 2023, In: *Frontiers in Immunology*. 14, 1219006.

Lesions and pathogens found in pigs that died during the nursery period in five Danish farms

Barington, Kristiane, Eriksen, E. Ø., Kudirkiene, E., Pankoke, K., Hartmann, Katrine Top, Hansen, Mette Sif, Jensen, Henrik Elvang, Blirup-Plum, Sophie Amalie, Jørgensen, B. M., Nielsen, Jens Peter, Olsen, John Elmerdahl, Goecke, Nicole Bakkegård, Larsen, Lars & Pedersen, Ken Steen, 2023, In: *Porcine Health Management*. 9, 26.

Experimental infection of high health pigs with porcine circovirus type 2 (PCV2) and *Lawsonia intracellularis*

Hansen, Mette Sif, Jensen, T. K., Hjulsager, C. K., Angen, Ø., Riber, U., Nielsen, J., Heegaard, P. M. H. & Larsen, Lars, 2022, In: *Frontiers in Veterinary Science*. 9, 994147.

Detecting bird's eggs in the diet of raccoon dog (*Nyctereutes procyonoides*)

Bahlke, S. Ø., Nash, David Richard, Pedersen, Jes Søren, Hansen, Mette Sif, Chriél, M. & Pagh, S., 2021, In: *Genetics and Biodiversity Journal*. 5, 2, p. 127-139 12 p.

Estimation of the age and reproductive performance of wild-born and escaped mink (*Neovison vison*) caught in the wild in Denmark

Pagh, S., Pertoldi, C., Chriél, M., Petersen, H. H., Jensen, T. H., Madsen, S., Kraft, D. C. E., Schou, T. M. & Hansen, Mette Sif, 2021, In: *Animals*. 11, 1, 11 p., 162.

First finding of *Streptococcus phocae* infections in mink (*Neovison vison*)

Nikolaisen, Nanett Kvist, Lindegaard, M., Lyhs, U., Strube, M. L., Hansen, Mette Sif, Struve, T., Chriél, M., Jensen, L. B. & Pedersen, K., 2021, In: *Research in Veterinary Science*. 139, p. 145-151 7 p.

Characterisation of footpad lesions in organic and conventional broilers

Riber, A. B., Rangstrup-Christensen, L., Hansen, Mette Sif, Hinrichsen, L. K. & Herskin, M. S., 2020, In: *Animal*. 14, 1, p. 119-128 10 p.

Diagnostic studies of abortion in Danish cattle 2015-2017

Wolf-Jäckel, G. A., Hansen, Mette Sif, Larsen, G., Holm, E., Agerholm, Jørgen Steen & Jensen, Tim Kåre, 2020, In: *Acta Veterinaria Scandinavica*. 62, 12 p., 1.

Health assessment of harbour porpoises (*PHOCOENA PHOCOENA*) from Baltic area of Denmark, Germany, Poland and Latvia

Siebert, U., Pawliczka, I., Benke, H., von Vietinghoff, V., Wolf, P., Pilāts, V., Kesselring, T., Lehnert, K., Prenger-Berninghoff, E., Galatius, A., Anker Kyhn, L., Teilmann, J., Hansen, Mette Sif, Sonne, C. & Wohlsein, P., 2020, In: *Environment International*. 143, 11 p., 105904.

Morphological and molecular characterization of *Cystoisospora laidlawi* oocysts (Apicomplexa Eimeriidae) in farmed American mink (*Neovison vison*) in Denmark

Petersen, H. H., Yang, R., Chriél, M., Liu, D., Hansen, Mette Sif & Ryan, U. M., 2020, In: *Parasitology Research*. 119, p. 3549–3553

RÆVE OG MÅRHUNDE KAN REGULERE ANTALLET AF HVALPE

Pagh, S., Pertoldi, C., Chriél, M. & Hansen, Mette Sif, 2020, In: *Aktuel Naturvidenskab*. 2020, 2, p. 31-35

Kvantitativ PCR kan være et godt supplement til påvisning af cytomegalovirus-infektion: Meddelelse nr. 1162

Tolstrup, L., Haugegaard, S., Larsen, Lars, Hjulsager, C. K., Jensen, Tim Kåre, Hansen, Mette Sif & Kristensen, C. S., 2019

The effect of inactivated mycobacterium paratuberculosis vaccine on the response to a heterologous bacterial challenge in pigs

Jensen, K. J., Hansen, Mette Sif, Heegaard, P. M. H., Benn, C. S. & Jungersen, G., 2019, In: *Frontiers in Immunology*. 10, 1557.

Bovine Abortions and Stillbirths in Denmark 2015 to 2017

Wolf-Jäckel, G., Hansen, Mette Sif, Larsen, G., Holm, E. & Jensen, Tim Kåre, 2018.

Bovine abortions in Denmark 2015–2017

Wolf-Jäckel, G., Hansen, Mette Sif, Larsen, G., Holm, E. & Jensen, Tim Kåre, 2018.

Rapportering af diagnostiske undersøgelser af faldvildt 2018

Chriél, M., Hansen, Mette Sif, Larsen, G., Holm, E., Hjulsager, C. K., Jensen, Tim Kåre & Petersen, H. H., 2018

Genetic and biological characterization of a Porcine Reproductive and Respiratory Syndrome Virus 2 (PRRSV-2) causing significant clinical disease in the field

Kvisgaard, L. K., Larsen, Lars, Hjulsager, C. K., Bøtner, A., Rathkjen, P. H., Heegaard, P. M. H., Bisgaard, N. P., Nielsen, J. & Hansen, Mette Sif, Nov 2017, In: *Veterinary Microbiology*. 211, p. 74-83 10 p.

Rapportering af diagnostiske undersøgelser af faldvildt 2017

Chriél, M., Hansen, Mette Sif, Larsen, G., Holm, E., Petersen, H. H., Hjulsager, C. K., Jensen, Tim Kåre & Fertner, M. E., 2017

Buevåbnets effektivitet

Jensen, Tim Kåre, Hansen, Mette Sif, Wolf-Jäckel, G. & Chriél, M., 2016

Diagnostiske undersøgelser af pelsdyr ved DTU Veterinærinstituttet - november 2015 - oktober 2016

Chriél, M., Larsen, G., Holm, E., Hjulsager, C. K., Pedersen, K., Jensen, V. F., Jensen, Tim Kåre & Hansen, Mette Sif, 2016, DTU Veterinærinstituttet.

Rapportering af diagnostiske undersøgelser af faldvildt 2016

Chriél, M., Hansen, M. F., Hansen, Mette Sif, Larsen, G., Holm, E., Petersen, H. H., Hjulsager, C. K. & Jensen, Tim Kåre, 2016, DTU Veterinærinstituttet.

Concurrent host-pathogen gene expression in the lungs of pigs challenged with *Actinobacillus pleuropneumoniae*

Brogaard, L., Schou, K. K., Heegaard, P., Hansen, Mette Sif, Jensen, Tim Kåre & skovgaard, K., 2015, In: B M C Genomics.

Influenza a(H10N7) virus in dead harbor seals, Denmark

Krog, J. S., Hansen, Mette Sif, Holm, E., Hjulsager, C. K., Chriél, M., Pedersen, K., Andresen, L. O., Abildstrøm, M., Jensen, T. H. & Larsen, Lars, 2015, In: Emerging Infectious Diseases. 21, 4, p. 684-687 4 p.

New reassortant and enzootic european swine influenza viruses transmit efficiently through direct contact in the ferret model

Fobian, K., Fabrizio, T. P., Yoon, S. W., Hansen, Mette Sif, Webby, R. J. & Larsen, Lars, 2015, In: Journal of General Virology. 96, 7, p. 1603-1612 10 p.

Diagnostiske undersøgelser af pelsdyr ved DTU Veterinærinstituttet: november 2013 - oktober 2014

Chriél, M., Hansen, Mette Sif, Larsen, G., Holm, E., Jensen, Tim Kåre, Hjulsager, C. K., Strandbygaard, B. & Enemark, H., 2014

Faldvildt undersøgelser på DTU Veterinærinstituttet i 2013

Hansen, Mette Sif, Larsen, G., Holm, E., Jensen, Tim Kåre, Al-Sabi, M. N. S. & Chriél, M., 2014.

Monitoring of *Francisella tularensis* and *Yersinia pseudotuberculosis* in Danish hares (*Lepus europaeus*) by fluorescent in situ hybridization

Hansen, Mette Sif, Chriél, M., Larsen, G., Holm, E. & Jensen, Tim Kåre, 2014.

Nyt fra Veterinærinstituttet: Undersøgelse af svineaborter for klamydia - *Cp. pecorum* påvist ved fluorescens in situ hybridisering

Jensen, Tim Kåre & Hansen, Mette Sif, 2014

Poster: Faldvildt undersøgelser på DTU Veterinærinstituttet i 2013

Hansen, Mette Sif, Larsen, G., Holm, E., Jensen, Tim Kåre, Al-Sabi, M. N. S. & Chriél, M., 2014, In: Flora og Fauna.

Rapportering af diagnostiske undersøgelser af faldvildt 2014

Chriél, M., Hansen, Mette Sif, Larsen, G., Holm, E., Jensen, Tim Kåre, Enemark, H., Hjulsager, C. K. & Al-Sabi, M. N. S., 2014

Snabelklove hos danske rådyr

Hansen, Mette Sif, Buelund, Lene Elisabeth, Holm, E., Larsen, G., Nielsen, Dorte Hald, Jensen, Tim Kåre & Chriél, M., 2014, 13 p.

Sammenhæng mellem maveforandringer og lungesygdom hos slagtesvin

Nielsen, E. O., Haugegaard, S., Hansen, Mette Sif, Jensen, Tim Kåre & Nielsen, M. B. F., 28 Oct 2013

Sammenhæng mellem maveforandringer og lungesygdom hos slagtesvin

Nielsen, E. O., Haugegaard, S., Hansen, Mette Sif, Jensen, Tim Kåre & Nielsen, M. B. F., 28 Oct 2013

A wasting syndrome in farmed mink

Jensen, Tim Kåre, Hansen, Mette Sif & Chriél, M., 2013

Detection of porcine circovirus type 2 and viral replication by in situ hybridization in primary lymphoid organs from naturally and experimentally infected pigs

Hansen, Mette Sif, Segalés, J., Fernandes, L. T., Grau-Roma, L., Bille-Hansen, V., Larsen, L. E. & Nielsen, O. L., 2013, In: *Veterinary Pathology*. 50, 6, p. 980-988 9 p.

Immunhistokemisk metode til påvisning af mink virus enteritis

Hansen, Mette Sif, Chriél, M., Larsen, G., Holm, E. & Jensen, Tim Kåre, 2013, *Faglig Årsberetning 2013*.

Immunohistochemical study of porcine lung lesions associated with *Pasteurella multocida*

Pors, S. E., Hansen, Mette Sif, Bisgaard, M., Jensen, Henrik Elvang & Iburg, T. M., 2013, In: *Veterinary Journal*. 197, 2, p. 483-488 6 p.

Simultaneous analysis of host and pathogen gene expression changes during bacterial infection

Brogaard, L., Hansen, Mette Sif, Jensen, Tim Kåre, Heegaard, P., skovgaard, K. & Schou, K. K., 2013.

Undersøgelse af rørmink ved en dansk fodercentral

Chriél, M., Hansen, Mette Sif, Jensen, Tim Kåre & Clausen, J., 2013

Årsrapport for vildtsundhed 2013

Chriél, M., Hansen, Mette Sif, Larsen, G., Holm, E., Jensen, Tim Kåre, Enemark, H., Hjulsager, C. K., Birkegård, A. C. & Nielsen, P. K., 2013

Epidemi af hvalpesyge i jyske mink: Nyt fra Veterinærinstituttet

Larsen, G., Holm, E., Hjulsager, C. K., Larsen, L. E., Jensen, Tim Kåre, Hansen, Mette Sif & Chriél, M., 2012, In: *Dansk Veterinærtidsskrift*.

Halvårsrapport for vildtsundhed 2012

Chriél, M., Holm, E., Larsen, G., Jensen, Tim Kåre, Hansen, Mette Sif, Enemark, H. & Hjulsager, C. K., 2012

***Coxiella burnetii* associated placental lesions and infection level in parturient cows**

Hansen, Mette Sif, Rodolakis, A., Cochonneau, D., Agger, Jens Frederik Gramstrup, Christoffersen, A., Jensen, Tim Kåre & Agerholm, Jørgen Steen, 2011, In: *The Veterinary Journal*. 190, 2, p. e135-e139

Genetic diversity and associated pathology of *Pasteurella multocida* isolated from porcine pneumonia

Pors, S. E., Hansen, Mette Sif, Christensen, Henrik, Jensen, Henrik Elvang, Petersen, A. H. H. & Bisgaard, M., 2011, In: *Veterinary Microbiology*. 150, 3-4, p. 354-361 8 p.

Occurrence and associated lesions of *Pasteurella multocida* in porcine bronchopneumonia

Pors, S. E., Hansen, Mette Sif, Bisgaard, M. & Jensen, Henrik Elvang, 2011, In: *Veterinary Microbiology*. 150, 1-2, p. 160-166 7 p.

Selection of method is crucial for the diagnosis of porcine circovirus type 2 associated reproductive failures

Hansen, Mette Sif, Hjulsager, C. K., Bille-Hansen, V., Haugegaard, S., Dupont, K., Høgedal, P., Kunstmann, L. & Larsen, Lars, Jul 2010, In: *Veterinary Microbiology*. 144, 1-2, p. 203-209 7 p.

***Coxiella burnetii* associated placental lesions in parturient cattle**

Agerholm, Jørgen Steen, Hansen, Mette Sif, Rodolakis, A., Cochonneau, D., Agger, Jens Frederik Gramstrup, Christoffersen, A. & Jensen, T. K., 2010, *Proceedings of the XXVI World Buiatrics Congress: Updates on Ruminant Production and Medicine*. 1 p.

An investigation of the pathology and pathogens associated with porcine respiratory disease complex in Denmark

Hansen, Mette Sif, Pors, S. E., Jensen, Henrik Elvang, Bille-Hansen, V., Bisgaard, M., Flachs, E. M. & Nielsen, O. L., 2010, In: *Journal of Comparative Pathology*. 143, 2-3, p. 1-12 12 p.

***Coxiella burnetii* associated placental lesions in parturient cattle**

Hansen, Mette Sif, Rodolakis, A., Cochonneau, D., Christoffersen, A. & Jensen, Tim Kåre, 2010.

Nutritional secondary hyperparathyroidism in two cats: evaluation of bone mineral density with dual-energy X-ray absorptiometry and computed tomography

Dimopoulou, M., Kirpensteijn, J., Nielsen, Dorte Hald, Buelund, Lene Elisabeth & Hansen, Mette Sif, 2010, In: *Veterinary and Comparative Orthopaedics and Traumatology*. 2010, 1, p. 56-61 6 p.

Occurrence and tissue distribution of porcine circovirus type 2 identified by immunohistochemistry in danish finishing pigs at slaughter

Hansen, Mette Sif, Pors, S. E., Bille-Hansen, V., Kjerulff, S. K. J. & Nielsen, O. L., 2010, In: *Journal of Comparative Pathology*. 142, 2-3, p. 109-121 13 p.

An immunohistochemical study of inflammatory cells in lung lesions of pigs naturally infected with *Pasteurella multocida*

Pors, S. E., Bisgaard, M., Jensen, Henrik Elvang, Hansen, Mette Sif & Iburg, T. M., 2009. 1 p.

Association between placental lesions and presence of *Coxiella burnetii* in cattle

Hansen, Mette Sif, Rodolakis, A., Cochonneau, D., Agger, Jens Frederik Gramstrup, Christoffersen, A. & Agerholm, Jørgen Steen, 2009, *Pathology Today*. p. 179 1 p.

Morphologic studies of the pathogenesis of naturally occurring porcine circovirus type 2 diseases in pigs

Hansen, Mette Sif, 2009, Department of Veterinary Disease Biology, University of Copenhagen. 153 p.

Detection of porcine circovirus 2 and viral replication in primary lymphoid organs from naturally and experimentally infected pigs

Hansen, Mette Sif, Nielsen, O. L., Fernandes, L., Llorens, G. R. & Segales, H., 2008. 1 p.

Inflammatory reactions in lung tissue of pigs infected with *Pasteurella multocida*: An immunohistochemical study

Pors, S. E., Iburg, T., Hansen, Mette Sif, Nielsen, O. L., Bisgaard, M. & Jensen, Henrik Elvang, 2008, *European Society of Veterinary Pathology: Programme and book of abstracts*. p. 191 1 p.

Characterisation of alveolar polyps associated with bronchopneumonia in Danish finishing pigs at slaughter

Hansen, Mette Sif, Pors, S. E. & Nielsen, O. L., 2007. 1 p.

Detection of porcine circovirus type 2 and viral replication in primary lymphoid organs from postweaning multisystemic wasting syndrome affected pigs

Hansen, Mette Sif, Nielsen, O. L., Roma, L. G. & Segalés, J., 2007, *European Society of Veterinary Pathology: 26th meeting*. p. 109 1 p.

Activities

ECVP 2023

Becker, Cecilie Brandt (Participant), Flyger, Christoffer Kirkelund (Participant), Barington, Kristiane (Participant), Leifsson, Páll S. (Participant) & Hansen, Mette Sif (Participant)

30 Aug 2023 → 1 Sep 2023

24th ISVD annual meeting

Hansen, Mette Sif (Participant)

28 Aug 2023 → 29 Aug 2023

NSVP Nordic Society of Veterinary Pathology

Jensen, Henrik Elvang (Participant), Leifsson, Páll S. (Participant), Hansen, Mette Sif (Participant), Jensen, Louise Kruse (Participant), Hartmann, Katrine Top (Participant), Birch, Julie Knippel Melsted (Participant), Bendtsen, K. M. B. (Participant), Blirup-Plum, Sophie Amalie (Participant), Quaade, Michelle Lauge (Participant), Jensen, M. T. (Participant),

Jørgensen, B. M. (Participant), Becker, Cecilie Brandt (Participant), Kristensen, Charlotte (Participant), Kromann, S. (Participant), Barington, Kristiane (Participant) & Pankoke, K. (Participant)

15 Jun 2022 → 17 Jun 2022

NOVA kursus

Hansen, Mette Sif (Participant)

28 Jan 2008 → 1 Feb 2008

Pædagogisk kursus for ph.d. studerende

Hansen, Mette Sif (Participant)

23 Jan 2008 → 25 Jan 2008

Forskningsophold ved Universitet Autònoma i Barcelona, UAB

Hansen, Mette Sif (Participant)

2 Nov 2007 → 22 Dec 2007

"Hvad døde dyret af" - deltagelse i Kulturnatten

Hansen, Mette Sif (Participant)

12 Oct 2007

RAPH summerschool

Hansen, Mette Sif (Participant)

20 Aug 2007 → 24 Aug 2007

Ethics in Science

Hansen, Mette Sif (Participant)

13 Aug 2007 → 17 Aug 2007

Characterisation of alveolar polyps associated with bronchopneumonia in Danish finishing pigs at slaughter

Hansen, Mette Sif (Lecturer)

15 Jun 2007

Mucosal Immunology

Hansen, Mette Sif (Participant)

4 Dec 2006 → 7 Dec 2006

Immunologi

Hansen, Mette Sif (Participant)

12 Sep 2006 → 22 Nov 2006

RAPH Summerschool

Hansen, Mette Sif (Participant)

21 Aug 2006 → 25 Aug 2006

19th International Pig Veterinary Society Congress 2006

Hansen, Mette Sif (Participant)

16 Jul 2006 → 19 Jul 2006

NORDIC SOCIETY FOR VETERINARY PATHOLOGY

Hansen, Mette Sif (Participant)

15 Jun 2006 → 17 Jun 2006