

PERSONAL INFORMATION Merete Blixenkroner-Møller**WORK EXPERIENCE**

- May 2011–Present **Senior scientific officer, Denmark (since 2011)**
Danish Health & Medicines Agency (Denmark)
- 2010–Present **Associate professor**
Faculty of Health Sciences, Experimental Virology, University Copenhagen, Denmark (since 2010) (Denmark)
- 1996–2010 **Professor (full), Chair of Veterinary Virology**
Faculty of Life Sciences, University of Copenhagen, Denmark (Denmark)
Veterinary and zoonotic microbial disease:
Experimental Virology
Molecular biology and epidemiology
Vaccinology
- 1985–1996 **Research associate, post doc, assistant professor, PhD-student, scientific assistant**
Royal Veterinary and Agricultural University, Department of Microbiology and Immunology, Frederiksberg (Denmark)
- 1984–1985 **Veterinary surgeon**
Slagelse Animal Hospital (Denmark)
Veterinary surgeon and practitioner.
- 1983–1984 **Clinics of Small and Large Animal Surgery, assistant adjunct.**
Royal Veterinary and Agricultural University (Denmark)
Veterinary surgeon

EDUCATION AND TRAINING

- 1993– **Doctor of veterinary science**
Royal Veterinary and Agricultural University, Frederiksberg (Denmark)
- 1990– **PhD (virology and immunology)**
Royal Veterinary and Agricultural University, Frederiksberg (Denmark)
- 1983– **Doctor of Veterinary Medicine**
Royal Veterinary and Agricultural University, Frederiksberg (Denmark)

ADDITIONAL INFORMATION

- Expertise** Areas of expertise
Veterinary and zoonotic microbial disease: Immunity, pathogenesis, virus-host interactions,

vaccinology, recombinant vaccines, molecular epidemiology. Immunology.

Referee functions for:

Emerging Infectious Diseases, Virus Research, Vaccine, Journal of Virological Methods, Veterinary Microbiology, Acta Veterinaria Scandinavica, APMIS, Jones and Bartlett Publishers, Blackwell Science, and Academic Press. Referee functions for: The Danish Board of Research Education, The Danish Hightechnology Foundation, Governmental Research and Innovation Body.

Research Residences

2010-2011: Dept. International Health, Immunology and Microbiology, Faculty of Health Sciences, Univ. Copenhagen, Exp.Virology.

1997: Faculté de Médecine Lâennec, Neurobiologie Expérimentale et Physiopathologie, France, Inserm, CNS Virus Group.

1995-96: Faculté de Médecine Lâennec, Neurobiologie Expérimentale et Physiopathologie, France, Inserm, CNS Virus Group.

1994-96: Institut Pasteur, Immunité et Vaccination, France, Morbillivirus Group, DNA vaccination, transgenic animals.

1990-91: Karolinska Institute, Morbillivirus Group, Department of Virology, Medical Faculty, Stockholm.

1988: Thule District Hospital, Northern Greenland.

Publications

International peer reviewed scientific publications with emphasis on molecular virology, virus-host interactions (RNA viruses), immunity, vaccinology (selected list):

Screening for viral extraneous agents in live-attenuated avian vaccines by

using a microbial microarray and sequencing; Olesen ML, Jørgensen LL, Blixenkron-Møller M, Sandberg E, Frandsen P, Østergaard E, Bækdaahl ER, Fridholm H, Fomsgaard A, Rosenstjerne AMV; *Biologicals* 2017, <http://dx.doi.org/10.1016/j.biologicals.2017.10.005>

Canine distemper virus DNA vaccination of mink can overcome interference by maternal antibodies. Jensen TH, Nielsen L, Aasted B, Pertoldi C, Blixenkron-Møller M. *Vaccine* 2015, <http://dx.doi.org/10.1016/j.vaccine.2015.01.029>.

DNA vaccines encoding proteins from wild-type and attenuated canine distemper virus protect equally well against wild-type virus challenge. Nielsen L, Jensen TH, Kristensen B, Jensen TD, Karlskov-Mortensen P, Lund M, Aasted B, Blixenkron-Møller M. *Arch Virol.* 2012 Jun 20. [Epub ahead of print].

CAF01 Potentiates Immune Responses and Efficacy of an Inactivated Influenza Vaccine in Ferrets. Martel CJ, Agger EM, Poulsen JJ, Hammer Jensen T, Andresen L, Christensen D, Nielsen LP, Blixenkron-Møller M, Andersen P, Aasted B. *PLoS One.* 2011;6(8):e22891. Epub 2011 Aug 5.

Lights and shades on an historical vaccine canine distemper virus, the Rockborn Strain. Martella V, Blixenkron-Møller M, Elia G, Lucente MS, Cirone F, Decaro N, Nielsen L, Bányai K, Carmichael LE, Buonavoglia C. *Vaccine* Martella V, Blixenkron-Møller M, Elia G, Lucente MS, Cirone F, Decaro N, Nielsen L, Bányai K, Carmichael LE, Buonavoglia C. *Vaccine*, 2010, 29;1222-7.

Genetic diversity and phylogenetic analysis of the attachment glycoprotein of phocine distemper viruses of the 2002 and 1988 epizootics. Nielsen, L, Arctander, P, Jensen, T H, Dietz, H-H, Hammer, AS, Banyard, AC, Barrett, T, Blixenkron-Møller, M. *Virus Research*, 2009,144; 323-328.

Early life DNA vaccination with the H gene of Canine distemper virus induces robust protection against distemper. Jensen, TH, Nielsen L, Aasted B, Blixenkron-Møller M. *Vaccine*, 2009, 27; 5178-5183.

Lymphotropism and host responses during acute wild-type canine distemper virus infections in a highly susceptible natural host. Nielsen L, Søgaaard M, Hammer Jensen T, Klindt Andersen M, Aasted B, Blixenkron-Møller M. *Journal General Virology*, 2009, 90; 2157-2165.

Humoral and cell-mediated immune responses in DNA immunized mink challenged with wild-type canine distemper virus. Nielsen L, Jensen T H, Karlskov-Mortensen P, Jensen T D, Aasted B, Blixenkron-Møller M. *Vaccine*, 2008, 27; 4791-4797.

Genotyping canine distemper virus (CDV) by a hemi-nested multiplex PCR provides a rapid approach for investigation of CDV outbreaks. Martella V, Elia G, Lucente S, Decaro N, Lorusso E, Banyai K, Blixenkron-Møller M, Lan NT, Yamaguchi R, Cirone F, Carmichael LE, Buonavoglia C. *Veterinary Microbiology* 2007, 122, 32-42.

Heterogeneity within the hemagglutinin genes of canine distemper virus (CDV) strains detected in Italy: identification of atypical CDV strains of the Arctic lineage. Martella V, Cirone F, Elia G, Lorusso E, Decaro N, Campolo M, Desario C, Lucente S, Bellacicco A, Blixenkron-Møller M, Carmichael LE, Buonavoglia C. *Veterinary Microbiology*, 2006,116; 301-309.

- DNA vaccination with the Aleutian mink disease virus NS1 gene confers partial protection against disease. Castelruiz Y, Blixenkron-Møller M, Aasted B. *Vaccine*, 2005, 26:1225-31.
- DNA vaccination of pigs with open reading frame 1-7 of PRRS virus. Barfoed A, Blixenkron-Møller M, Jensen MH, Botner A, Kamstrup S. *Vaccine*, 2004 22:3628-41.
- Distemper virus as a cause of central nervous disease and death in badgers (*Meles meles*) in Denmark. Hammer AS, Dietz HH, Andersen TH, Nielsen L, Blixenkron-Moeller M. *Veterinary Record* 2004 Apr 24;154(17):527-30.
- Immunization with plasmid DNA encoding the hemagglutinin and the nucleoprotein confers robust protection against a lethal canine distemper virus challenge.
- Dahl L., Jensen T.H. Gottschalck E, Karlskov-Mortensen P, Jensen TD, Nielsen L., Andersen MA, Bolt G, Buckland R, Wild TH, Blixenkron-Møller M *Vaccine*, 2004 Sep 9;22(27-28):3642-8.
- Influence of routes and administration parameters on antibody response of pigs following DNA vaccination.
- Barfoed A, Kristensen B, Dannemann-Jensen T, Viuff B, Bøtner A, Kamstrup S, Blixenkron-Møller M. *Vaccine*, 2004, 29; 22(11-12), 1395-405.
- Changes in the receptorbinding haemagglutinin protein of wild-type morbilliviruses are not required for adaptation to Vero cells. Nielsen, L., Klindt Andersen, M., Danneman Jensen, T., Blixenkron-Møller, M, and Bolt G. *Virus Genes*, 2003, 27, 157-162.
- Measles virus-induced modulation of host cell gene expression studied by cDNA microarrays. Bolt, G., Berg, K., Blixenkron-Møller, M. (2002) *Journal General Virology*, 83, 1157-1165.
- Adaptation of wild-type measles virus to CD46 receptor usage. Nielsen L, Blixenkron-Møller, M., Thylstrup, M., Hansen NJV., Bolt G. *Archives of Virology*, 2001, 146, 197-208.
- Processing of N-linked oligosaccharides on the measles virus glycoproteins: importance for antigenicity and for production of infectious particles. Bolt, G., Pedersen, I. R., Blixenkron-Møller, M. *Virus Research*, 1999, 61, 43-51.
- Role of CD46 in Measles Virus Infection in CD46 Transgenic Mice. Blixenkron-Møller M, Bernard A, Bencsik A., Sixt, N, Diamond L, Logan JS, Wild, FT. *Virology*, 1998, 225, 293-299.
- Serologic and genetic characterization of bovine respiratory syncytial virus (BRSV) indicates that Danish isolates belong to the intermediate subgroup: No evidence of a selective effect on the variability of G protein nucleotide sequence by prior cell culture adaptation and passages in cell culture or calves. Larsen, L., Uttenthal, A., Arctander, P., Tjørnehøj, K., Viuff, B., Røntved, C., Rønsholt, L., Alexandersen, S., Blixenkron-Møller, M. *Veterinary Microbiology*, 1998, 62, 265-279, 1998.
- Genetic diversity of the attachment (H) protein gene of current field isolates of canine distemper virus. Bolt, G., Dannemann Jensen, T., Gottschalck, E., Arctander, P., Appel, M. J. G. Buckland, R., Blixenkron-Møller, M. *Journal of General Virology*, 1997, 78, 367-372.
- Immunization with plasmid DNA encoding the measles virus hemagglutinin and nucleoprotein leads to humoral and cell-mediated immunity. Cardoso, A. I., Blixenkron-Møller, M., Fayolle, J., Liu, M., Buckland, R., Wild, T. F. (1996) *Virology* 225, 293-299.
- Comparative analysis of the attachment protein gene (H) of dolphin morbillivirus. Blixenkron-Møller, M., Bolt, G., Dannemann Jensen, T., Harder, T., Svansson, V. *Virus Research*, 1996, 40, 47-56.
- Comparative analysis of the structural genes of dolphin morbillivirus reveals its distant evolutionary relationship to measles virus and ruminant morbillivirus. Blixenkron-Møller, Bolt, G., Gottschalck, E., Rima, B. K. (1995) In *Immunobiology of Viral Infections*, p. 428-431. Editors M. Schwyzer, M. Ackermann, G. Bertoni, R. Kocherhans, K. McCullough, M. Engels, R. Wittek, R. Zanoni.
- The phosphoprotein (P) gene of a dolphin morbillivirus (DMV) isolate exhibit genomic variation at the editing site. Bolt, G, Alexandersen, S., Blixenkron-Møller, M. (1995) *Journal of general Virology*, 1995, 76, 3051-3058.
- Morbillivirus in Aquatic Mammals: report on roundtable discussion. Barrett, T, Blixenkron-Møller, M. Di Guardo, G., Domingo, M., Duignan, P., Hall, A., Mamaev, L. Osterhaus, ADME *Veterinary Microbiology*, 1995, 44, 261-265.
- Nucleotide and deduced amino acid sequences of the matrix (M) and fusion (F) protein genes of cetacean morbilliviruses isolated from a porpoise and a dolphin. Bolt, G., Blixenkron-Møller M, Gottschalck E., Wishaupt R. G. A., Welsh M. J., Earle J. A. P., Rima B. K. *Virus Research*, 1994 34, 291-304.
- Nucleic acid hybridization analyses confirm the presence of a hitherto unknown morbillivirus in mediterranean dolphins. Bolt, G., Blixenkron-Møller, M. *Veterinary Microbiology*, 1994, 41, 363-372.
- Comparative analysis of the gene encoding the nucleocapsid protein of dolphin morbillivirus reveals its

- distant evolutionary relationship to measles virus and ruminant morbilliviruses. Blixenkroner-Møller, M., Bolt, G. Gottschalck, E., Kenter, M. *Journal of General Virology*, 1994, 75, 2829-2834.
- Studies on manifestations of canine distemper virus infection in an urban dog population. Blixenkroner-Møller, M., Svansson, V., Have, P., Örvell, C., Appel, M., Pedersen, I. R., Dietz, H.-H., Henriksen, P. *Veterinary Microbiology*, 1993, 37, 163-173.
- Infection studies with canine distemper virus in harbour seals. Svansson, V., Blixenkroner-Møller, M., Have, P., Skirnisson, K., Nielsen, J., Heje, N.-I., Lund, E. *Archives of Virology*, 1993, 131, 349-359.
- Biological properties of phocine distemper virus and canine distemper virus. Blixenkroner-Møller, M. *APMIS*, 1993 101, no. 36, 5-51.
- Antigenic relationships between field isolates of morbilliviruses from different carnivores. Blixenkroner-Møller, M., Svansson, V., Appel, M., Krogsrud, J., Have, P., Örvell, C. *Archives of Virology*, 1992, 123: 279-294.
- Round table on morbilliviruses in marine mammals. Barrett, T., Blixenkroner-Møller, M., Domingo, M., Harder, T., Have, P., Liess, B., Örvell, C., Osterhaus, A. D. M. E., Plana, J., Svansson, V. (1992) *Veterinary Microbiol.* 33, 287-295.
- Humanized animal viruses with special reference to the primate adaptation of morbillivirus. Norrby, E., Kövamees, J., Blixenkroner-Møller, M., Sharma, B., Örvell, C., *Veterinary Microbiology*, 1992, 33, 275-286.
- The nucleotide and deduced amino acid sequence of the M gene of phocid distemper virus (PDV): the most conserved protein of morbilliviruses shows a uniquely close relationship between PDV and canine distemper virus. Sharma, B., Norrby, E., Blixenkroner-Møller, M., Kövamees, J. *Virus Research*, 1992, 23, 13-25.
- Sequence analysis of the genes encoding the nucleocapsid protein and phosphoprotein (P) of phocid distemper virus, and editing of the P gene transcript. Blixenkroner-Møller, M., Sharma, B., Varsanyi, T. M., Hu, A., Norrby, E., Kövamees, J. *Journal of General Virology*, 1992, 73, 885-893.
- The nucleotide sequence and deduced amino acid composition of the haemagglutinin and fusion proteins of the morbillivirus phocid distemper virus. Kövamees, J., Blixenkroner-Møller, M., Sharma, B., Örvell, C., Norrby, E. *Journal of General Virology*, 1991, 72, 2959-2966.
- The nucleotide and predicted amino acid sequence of the attachment protein of canine distemper virus. Kövamees, J., Blixenkroner-Møller, M., Norrby, E. *Virus Research*, 1991, 19, 223-234.
- Detection of IgM antibodies against canine distemper virus in dog and mink sera employing enzyme-linked immunosorbent assay (ELISA). Blixenkroner-Møller, M., Pedersen, I. R., Appel, M. J., Griot, C. *Journal of Veterinary Diagnostic Investigation*, 1991, 3, 3-9.
- Seroepidemiological studies of morbillivirus infections in whales. Svansson, V., Arnason, A., Blixenkroner-Møller, M. *Int. Whaling Com.*, 1991, 1-5, 1991.
- Immunological relationships between phocid and canine distemper virus studied with monoclonal antibodies. Örvell, C., Blixenkroner-Møller, M., Svansson, V., Have, P. *Journal of General Virology*, 1990, 71, 2085-2092.
- Phocid distemper virus - a threat to terrestrial mammals? Blixenkroner-Møller M, Svansson V, Örvell C, Have P. *Veterinary Record*, 1990, 127: 263-264.
- Canine distemper virus infections, Virological and immunological diagnosis and vaccination. Department of Veterinary Virology and Immunology, Blixenkroner-Møller, M. (1989) PhD thesis. DK, The Royal Veterinary and Agricultural University,
- Infection studies in mink with seal-derived morbillivirus. Blixenkroner-Møller M., Svansson, V., Have, P., Bötner, A. *Archives of Virology*, 1989, 106, 165-170.
- A serious outbreak of canine distemper among sled-dogs in Northern Greenland. Bohm, J., Blixenkroner-Møller, M., Lund, E. *Arctic Medical Research*, 1989, 48, 195-203.
- Detection of intracellular canine distemper virus antigen in mink inoculated with an attenuated or a virulent strain of canine distemper. Blixenkroner-Møller, M. *American Journal of Veterinary Research*, 1989, 50, 1616-1620.
- Reactivity of eleven anti-human leucocyte monoclonal antibodies with lymphocytes from several domestic animals. Aasted, B., Blixenkroner-Møller, M., Bang Larsen, E., Bielefeldt Ohmann, H., Bueman Simesen, R., Uttenthal, Å. *Veterinary Immunology and Immunopathology*, 1988, 19, 31-38.

Projects

- Memberships** Since 2012: Member of Immunologicals Working Party, European Medicines Agency (EMA).

Since 2011: Alternate member of the Committee for Medicinal Products for Veterinary Use (EMA).

Since 2011: European Expert Nomination (EMA).

Boards

2010: External peer-reviewer for The Agency for Science, Technology and Research's (A*STAR) Biomedical Research Council (BMRC). A*STAR is Singapore's national agency.

2010: External peer-reviewer for The Research Council of Norway, Division of Innovation.

2006-10: The Research School of Immunology, board member.

2005-07: The Danish Research Council for Technology and Production, committee member.

2005-06: The Danish Research Council for Technology and Production, the executive committee.

2004-2016: The Danish Fur Excise Foundation, board member.

2000-05: The Danish Agricultural and Veterinary Research Council, committee member.

1999-2005: Jubilee Fund, board member, The Royal Veterinary and Agricultural University (RVAU), DK.

1997-2010: Danish Pasteur Society, committee member.

1996-2010: Danish Furbreeders Research Foundation, board member.

1996-2005: Danish Society of Virology, board member.

1999-2001: The Institute of Veterinary Microbiology, RVAU, board member.

Other Relevant Information