

# BIOGRAPHY

June 27, 2012



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**Title and name**

Dr. Anette Bøtner

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**Nationality**

Danish

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**Panel**

Animal Health and Welfare (AHAW)

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**Education**

DVM (1979) Royal Veterinary and Agricultural University, Denmark

PhD (1984) in Veterinary Virology; Royal Veterinary and Agricultural University, Denmark

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**Scientific and risk assessment experience**

- Veterinary virology
  - Diagnostics
  - Laboratory contingency
  - Transboundary diseases
  - Emerging and zoonotic virus diseases
  - Experimental pathogenesis studies
  - Development/testing of vaccines
  - Epidemiology and risk assessment
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**Main scientific publications**

More than 65 refereed scientific papers, mainly dealing with virus diseases of livestock animals including the development of diagnostics, pathogenesis and epidemiology have been published in international journals. In addition, more than 150 other scientific papers have been published. Ten most relevant papers are as follows:

Bøtner, A., Belsham, G. J., 2012: Virus survival in slurry; analysis of the stability of foot-and-mouth disease, classical swine fever, bovine viral diarrhoea and swine influenza viruses. Vet. Micro. 157(1-2):41-9. Epub 2011 Dec 14 .

Lohse, L., Jackson, T., Bøtner, A. Belsham, G.J. Capsid coding sequences of foot-and-mouth disease viruses are determinants of pathogenicity in pigs. Vet. Res. 2012. 43(1):46. doi:10.1186/1297-9716-43-46

Rasmussen, L.D., Kristensen, B., Kirkeby, C., Rasmussen, T.B., Belsham, G.J., Bødker, R., Bøtner, A. Culicoid as Vectors of Schmallenberg Virus. *Emerging Infectious Diseases*. 2012, 18(7): 1204-1206

Bøtner, A., Kakker, N. K., Barbezange, C., Berryman, S., Jackson, T., Belsham, G. J.: Capsid proteins from field strains of foot-and-mouth disease virus confer a pathogenic phenotype in cattle on an attenuated, cell-culture-adapted virus. *J. Gen Virol*. 2011, 92:1141-1151

Belsham, G. J., Jamal, S. M., Tjørnehøj, K., Bøtner, A.: Rescue of foot-and-mouth disease viruses that are pathogenic for cattle from preserved viral RNA samples. *PLoS One*, 2011 January, 6 (1): e14621

Belsham, G. J., Polacek, C., Breum, S. Ø., Larsen, L. E., & Bøtner, A., 2010. Detection of myxoma viruses encoding a defective M135R gene from clinical cases of myxomatosis; implications for the role of the M135R protein as a virulence factor. *Virology Journal*, 7,7.

Nielsen, J., Bøtner, A., Bille-Hansen, V., Oleksiewicz, M. B. & Storgaard, T., 2002. Experimental inoculation of late-term pregnant sows with a field isolate of porcine reproductive and respiratory syndrome vaccine-derived virus. *Vet. Microbiol.*, 84, 1-13.

Ladekjær-Mikkelsen, A.-S. , Nielsen, J., Stadejek, T. , Storgaard, T. , Krakowka, S. Ellis, J., McNeilly, F., Allan, G., & Bøtner, A., 2002. Reproduction of postweaning multisystemic wasting syndrome (PMWS) in immunostimulated and non-immunostimulated conventional 3-week-old piglets experimentally infected with porcine circovirus type 2 (PCV2). *Vet. Microbiol.*, 89, 97-114.

Forsberg, R., Storgaard, T., Nielsen, H. S., Oleksiewicz, M. B., Cordioli, P., Sala, G., Hein, J. & Bøtner, A., 2002. The genetic diversity of European type PRRSV is similar to that of the North American type but is geographically skewed within Europe. *Virology*, 299, 38-47.

Allan, G., Meehan, B., Todd, D., Kennedy, S., McNeilly, F., Ellis, J., Clark, E. G., Harding, J., Espuna, E., Bøtner, A. & Charreyre, C., 1998. Novel porcine circoviruses from diseased pigs with wasting disease syndromes. *Vet. Rec.*, 142, 467-468.