

January 2013, total: 89

International peer-reviewed publications: 28 incl. Ph.d. thesis

Larsen, L.E., Uttenthal, A., Arctander, P., Tjørnehoj, K., Viuff, B., **Røntved, C.**, Ronsholt, L., Alexandersen, S., and Blixenkroner-Møller, M., 1998. Serological and genetic characterisation 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. *Vet. Microbiol.*, 62, 265-279.

C. M. Røntved. Studier af alveolære makrofagers rolle ved pneumoni hos kalve forårsaget af bovint respiratorisk syncytial virus, December, 1999. Ph.d.-afhandling, Institut for Farmakologi og Patobiologi, Laboratorium for Veterinær Patologi, Den Kgl. Veterinær- og Landbohøjskole, København.

Papp, Z., Middleton, D.M., **Røntved, C.M.**, Foldvari, M., Gordon, J.R., Baca-Estrada, M.E., 2000. Transtracheal administration of interleukin-12 induces neutrophil responses in the murine lung. *J. Interferon Cytokine Res.*, 20(2), 191-5.

Røntved, C. M., Tjørnehøj, K., Viuff, B. Larsen, L. E., Godson, D. L., Rønsholt, L. and Alexandersen, S., 2000. Increased pulmonary secretion of tumor necrosis factor- α in calves experimentally infected with bovine respiratory syncytial virus. *Vet. Immunol. and Immunopathol.* 76: 199-214.

Juul-Madsen, H.R., Nielsen, O.L., Hansen, T.K., Jørgensen P.H., **Røntved, C.M.**, Dalgaard, T.S. and Bumstead, N., 2002. MHC-linked immuneresponse of young chickens vaccinated with an attenuated live Infectious Bursal Disease Virus vaccine followed by an IBDV-infection., *Poultry Sciences* 81: 649-656.

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Pedersen, L.H., Aalbæk, B., **Røntved, C.M.**, Ingvarsen, K. L., Sørensen, N.S., Heegaard, P.M.H., and Jensen, H.E., 2003. The initial pathogenesis and inflammatory response in experimental bovine mastitis due to *Streptococcus uberis*. *J. Comp. Pathol.*, 128: 156-164.

L. Nielsen, **C.M. Røntved**, M.O. Nielsen, L.R. Norup, and K.L. Ingvarsen, 2003. Leukocytes from heifers express insulin and insulin-like growth factor-1 (IGF-1) receptors. *Domestic Animal Endocrinology* 25: 231-238.

Røntved, C.M., Dernfalk, J., and Ingvarsen, K.L., 2004. Do high and low tumor necrosis factor-alpha responders exist in dairy cows? The 35th Scandinavian Society for Immunology and 20th Summer School, 13-16 June, Aarhus, Denmark. In *Scandinavian Journal of Immunology*, 59 (6), p 618-619.

Lehtolainen Tanja, **Røntved Christine** and Pyörälä Satu, 2004. Serum amyloid A and TNF α in serum and milk during experimental endotoxin mastitis. *Veterinary Research*, 35: 651-659.

C. M. Røntved, J. B. Andersen, L. Nielsen, J. Dernfalk and K. L. Ingvarsen, 2005. Effects of diet energy density and milking frequency in early lactation on TNF- α responsiveness in dairy cows. *Veterinary Immunology and Immunopathology*, 104: 171-181.

- L. Carstensen, **C.M. Røntved**, J.P. Nielsen. 2005. Determination of tumor necrosis factor- α responsiveness in piglets around weaning using an ex vivo whole blood stimulation assay *Veterinary Immunology and Immunopathology*, 105: 59-66.
- H.R. Juul-Madsen, T. S. Dalgaard, **C.M. Røntved**, K. H. Jensen, and N. Bumstead 2006 Immune response to a killed Infectious Disease Virus (IBDV) vaccine in inbred chicken lines with different MHC haplotypes. *Poultry Sciences*, 85: 986-998.
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- Li Jiang, Peter Sørensen, **Christine Røntved**, Lotte Nielsen, Klaus L. Ingvarsten Gene expression profiling of liver from dairy cows treated intra-mammary with LPS, 2008. *BMC Genomics*, Sep 24;9:443.
- L. Vels, **C. M. Røntved**, M. Bjerring, K. L. Ingvarsten. Cytokine and Acute Phase Protein Gene Expression in Liver Biopsies from Dairy Cows with a Lipopolysaccharide –induced mastitis, 2009. *J Dairy Sci.*, Mar;92(3):922-34.
- Marianne Danielsen, Marius Cosmin Codrea, Klaus Lønne Ingvarsten, Nicolas C. Friggens, Emøke Bendixen and **Christine Maria Røntved**, 2010. Quantitative milk proteomics – host responses to LPS mediated inflammation of bovine mammary gland. *Proteomics*, 10, 2240–2249.
- Torben Larsen, **C. M. Røntved**, K. L. Ingvarsten, L. Vels and M. Bjerring and, 2010. Enzyme activity and acute phase proteins in milk utilized as indicators of acute clinical LPS-induced mastitis. *Animal*, 4:10, pp 1672–1679.
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- Fogsgaard KK, **Røntved CM**, Sørensen P, Herskin MS. 2012. Sickness behavior in dairy cows during *Escherichia coli* mastitis. *J Dairy Sci.* 95(2): 630-8.
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- Jiang L, Sørensen P, Thomsen B, Edwards SM, Skarman A, **Røntved CM**, Lund MS, Workman CT. 2012. Gene prioritization for livestock diseases by data integration. *Physiol Genomics.* Mar 1;44(5): 305-17. Epub 2012 Jan 10.
- Jørgensen HB, Buitenhuis B, **Røntved CM**, Jiang L, Ingvarsten KL, Sørensen P. Transcriptional profiling of the bovine hepatic response to experimentally induced *E. coli* mastitis. 2012. *Physiol Genomics.* 1;44(11):595-606.
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M. Khatun, B. M. Damgaard, J. B. Andersen, [C. M. Røntved](#). Ex vivo tumor necrosis factor- α response of blood leukocytes against Gram-positive and Gram-negative bacteria in Danish Holstein Friesian cows. Submitted to Veterinary Immunology and Immunopathology, May 2011

Bislev, S. L., Kusebauch, U., Codrea, M., Moritz, R., [Røntved, C. M.](#), Bendixen, E. Comparing time resolved pathogen specific bovine host response profiles by SRM analyses of milk (resubmitted to Journal of Proteome Research, 2013)

M. Khatun, P. Sørensen, K. L. Ingvarsen, M. Bjerring and [C.M. Røntved](#). (2012). Effects of combined liver and udder biopsying on the acute phase response of dairy cows with experimentally induced *E. coli* mastitis (accepted with moderate revision in Animal, 2013)

Publications in international popular – or company magazines: 1

[Christine M. Røntved](#), 2011. The biological concepts and management: Principles behind “the ColoQuick system”. The ColoQuick International Magazine, #1, p. 21-26. Presented at the World Dairy Expo 2011, October 4-8. “Around the World of Dairy in 5 Days”, Alliant Energy Center, Madison, Wisconsin, USA.

Danish publications: 10

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Hedemann, M.S., Lærke, H.N., [Røntved, C.M.](#), Damgaard, B.M., Jensen, B.B. & Bach Knudsen, K.E. 2003. Effekt af endotoksin. I: Optimering af mave-tarmmiljøet hos grise omkring fravæning. (Eds. Jensen, B.B. & Pedersen, L.T.) DJF intern rapport, 32-37.

[Christine M. Røntved](#), Jens Bech Andersen, Lotte Nielsen, Klaus Lønne Ingvarsen. Foderets energikoncentration og malkningsfrekvensens effekt på malkekøers betændelsesrespons i tidlig laktation? (kvægportalen, Dansk kvæg, august, 2004).

Margit Bak Jensen og [Christine M. Røntved](#), 2006. Kælvning og den spæde kalv. I: Velfærd hos malkekvæg og kalve. DJF rapport nr. 74, kapitel 8, s. 163-174.

Christian Børsting, Kvægbrugets Forsøgscenter, [Christine Røntved](#), Det Jordbrugsvidenskabelige Fakultet, AU, Henrik Martin, Dansk Kvæg, Torben Christensen, Ørum-Vammen Dyr lægerne. God hygiejne i råmælken vigtig ved brug af råmælksbank, NyKvægforskning, 2009. Ny KvægForskning Nr. 5, 7. årgang, oktober. s. 4-5.

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[Christine M. Røntved](#), Susanne Pejstrup og Bjarne Boysen, 2012. Optimer din råmælks-procedure - Der er store penge at tjene, ved at bruge frossen, kvalitetstestet råmælk til kalvene. Bovilogsik, Årg. 26, nr. 6, s. 12-14.

Net articles: 1

[Christine M. Røntved](#). Einfluss des Einfrierens von Rinderkolostrum auf den Immunglobulingehalt. <http://www.holm-lauue.de/fachinformationen.php?FaGrNr=1&FaNr=6>

International conference abstracts: 49

K. Tjørnehøj, Å. Uttenthal, B. Viuff, L.E. Larsen, [C. Røntved](#), S. Alexandersen and L. Rønsholt, 1997. An index-based experimental model for evaluation of the protective effect of vaccines against Bovine Respiratory Syncytial Virus (BRSV) in calves. 10th international conference on negative strand viruses. September 21st-26th, Dublin, Ireland.

L.E. Larsen, Å. Uttenthal, K. Tjørnehøj, B. Viuff, [C. Røntved](#), L. Rønsholt, S. Alexandersen, M. Blixenkron-Møller, 1997. Variability of the G-protein of Bovine Respiratory Syncytial Virus: Analysis of Danish field viruses isolated between 1983 and 1996. 10th international conference on negative strand viruses. September 21st-26th, Dublin, Ireland.

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[C.M. Røntved](#), K. Tjørnehøj, B. Viuff, L.E. Larsen, D.L. Godson, L. Rønsholt and S. Alexandersen. Infection with bovine respiratory syncytial virus in calves is accompanied by a significant pulmonary secretion of tumor necrosis factor- α . Immunology 2000. The American Association of Immunologists and Clinical Immunology Society Joint Annual Meeting, Seattle, USA, May 12-16, [CEP97-6].

H.R. Juul-Madsen, O.L. Nielsen, [C.M. Røntved](#), T.K. Hansen, P. Sørensen, P.H. Jørgensen, T.S. Dalgard and N. Bumstead, 2000. The major histocompatibility complex (MHC) is involved in the antibody response to attenuated live infectious bursal disease virus (IBDV) vaccine. XXI World's Poultry Congress, Montreal, Canada, August 20-24.

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Røntved, C.M., Andersen, J.B., Larsen, T., Ingvarsten, K.L., 2001. The effect of feeding and milkings on blood leukocytes, CD14 expression on monocytes and production of TNF- α *in vitro*. In the 6th IVIS (International Veterinary Immunology Symposium), Uppsala, Sweden abstract, PS4: 16 (181), p 117.

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L. Nielsen, **C.M. Røntved** and K.L. Ingvarsten, 2004. Quantitative acute phase protein and cytokine mRNA expression in liver from cows challenged with lipopolysaccharide (LPS) intramammary. In the 7th IVIS, July 25-30, Quebec City, Canada. p. 413.

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C. M. Røntved, J. B. Andersen, L. Nielsen, and K. L. Ingvarsten. Effects of diet energy density and milking frequency in early lactation on serum amyloid a concentrations in dairy cows. 6th European Colloquium on Acute phase Proteins, August 24-26, 2006, Copenhagen, Denmark, p. 36.

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L. Jiang, P. Sørensen, **C. Røntved**, L. Nielsen and K. L. Ingvarsten. LPS induced mastitis alters gene expression patterns in bovine liver tissue. International Symposium on Animal Genomics for Animal Health, Paris, France, 23-25 October 2007. (abstract ok, men paper trukket tilbage pga submission in BMC)

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