



Curriculum Vitae

Personal information **Frida Hasslung Wikström**

Work experience

1. Employer: Medical Products Agency
 - Start date: May 2018
 - End date: present
 - Position: CVMP member
 - Country: Sweden
2. Employer: Medical Products Agency
 - Start date: December 2013
 - End date: April 2018
 - Position: CVMP alternate member
 - Country: Sweden
3. Employer: Medical Products Agency
 - Start date: September 2008
 - End date: present
 - Position: Clinical Assessor
 - Activities: Clinical assessor of veterinary medicinal products; efficacy of pharmaceuticals and safety and efficacy of biologicals and immunologicals including novel therapies. EU-activities: Member and alternate member of CVMP, vice-chair of CVMP, member, vice-chair and chair of SAWP-v, member of CVMP IWP, member of CVMP NTWP
 - Country: Sweden
4. Employer: Swedish University of Agricultural Sciences
 - Start date: February 2003
 - End date: August 2008
 - Position: PhD Student
 - Activities: Research and teaching in Veterinary immunology and infection biology. Laboratory work (biotechnological and immunological techniques, cell culture)
 - Country: Sweden
5. Employer: Hallands Djursjukhus; Mälaren Smådjursklinik; Lundabygdens Djursjukhus
 - Start date: June 2001
 - End date: December 2010
 - Position: Veterinary surgeon
 - Activities: Small animal practitioner (part time)
 - Country: Sweden

Education and training

1. Subject: PhD, Veterinary immunology, infection biology, virology. Research education, laboratory work and teaching
 - Start date: February 2003
 - End date: June 2008
 - Qualification: PhD
 - Organisation: Swedish University of Agricultural Sciences, Dept of Biomedical Sciences and Veterinary Public Health, Immunology.
 - Country: Sweden
2. Subject: Veterinary Medicine
 - Start date: August 1997
 - End date: February 2003
 - Qualification: DVM (BSc and MSc in Veterinary Medicine)
 - Organisation: Swedish University of Agricultural sciences
 - Country: Sweden

Additional information

Publications

Doctoral thesis:

Hasslung Wikström, F. (2008) *Interaction between Porcine Circovirus type 2 and the immune system of the pig with special reference to immunomodulatory sequences in the viral genome*. Doctoral Thesis No. 2008:29, Faculty of Veterinary Medicine and Animal Science, Swedish University of Agricultural Sciences. ISSN 1652-6880, ISBN 978-91-85913-62-6.

Peer reviewed articles:

Wikström FH, Fossum C, Fuxler L, Kruse R, Lövgren T. *Cytokine induction by immunostimulatory DNA in porcine PBMC is impaired by a hairpin forming sequence motif from the genome of Porcine Circovirus type 2 (PCV2)*. *Vet Immunol Immunopathol*. 2011 Feb 15;139(2-4):156-66. Epub 2010 Oct 7.

Wallgren P, Brunborg IM, Blomqvist G, Bergström G, Wikström F, Allan G, Fossum C, Jonassen CM. (2009) *The index herd with PMWS in Sweden: presence of serum amyloid A, circovirus 2 viral load and antibody levels in healthy and PMWS-affected pigs*. *Acta Vet Scand*. 2009 Mar 27;51:13

Timmusk S, Wallgren P, Brunborg IM, Wikström FH, Allan G, Meehan B, McMenamy M, McNeilly F, Fuxler L, Belák K,

Pödersoo D, Saar T, Berg M, Fossum C. *Phylogenetic analysis of porcine circovirus type 2 (PCV2) pre- and post-epizootic postweaning multisystemic wasting syndrome (PMWS)*. Virus Genes. 2008 Jun;36(3):509-20. Epub 2008 Mar 15.

Wikström FH, Meehan BM, Berg M, Timmusk S, Elving J, Fuxler L, Magnusson M, Allan GM, McNeilly F, Fossum C. *Structure-dependent modulation of alpha interferon production by porcine circovirus 2 oligodeoxyribonucleotide and CpG DNAs in porcine peripheral blood mononuclear cells*. J Virol. 2007 May;81(10):4919-27. Epub 2007 Feb 28.

Hasslung F, Wallgren P, Ladekjaer-Hansen AS, Bøtner A, Nielsen J, Watrang E, Allan GM, McNeilly F, Ellis J, Timmusk S, Belák K, Segall T, Melin L, Berg M, Fossum C. *Experimental reproduction of postweaning multisystemic wasting syndrome (PMWS) in pigs in Sweden and Denmark with a Swedish isolate of porcine circovirus type 2*. Vet Microbiol. 2005 Mar 20;106(1-2):49-60

Wallgren P, Hasslung F, Bergström G, Linder A, Belak K, Hård af Segerstad C, Stampe M, Molander B, Björnberg Kallay T, Nörregård E, Ehlorsson CJ, Törnquist M, Fossum C, Allan GM, Robertsson JA. *Postweaning multisystemic wasting syndrome PMWS the first year with the disease in Sweden*. Vet Q. 2004 Dec;26(4):170-87.

Hasslung FC, Berg M, Allan GM, Meehan BM, McNeilly F, Fossum C. *Identification of a sequence from the genome of porcine circovirus type 2 with an inhibitory effect on IFN-alpha production by porcine PBMCs*. J Gen Virol. 2003 Nov;84(Pt 11):2937-45.

Conference presentations:

Merlot, E., Hasslung Wikström, F., Timmusk, S., Fuxler, S., Fossum, C. (2007). *Norepinephrine modulates proliferation and IFN α production by porcine immune cells*. Proceedings from 8th International Veterinary Immunology Symposium, Ouro Preto, Brasil, 15-19 August, 2007. Poster.

Lövgren, T., Hasslung Wikström, F., Fuxler, L., Timmusk, S., Watrang, E., Fossum, C. (2007) *Inhibition of IFN- α production by Porcine circovirus-derived DNA motifs*. Proceedings from 8th International Veterinary Immunology Symposium, Ouro Preto, Brasil, 15-19 August, 2007. Poster.

Hasslung Wikström, F. (2006). *PCV2 och PMWS – Nya forskningsrön*. Veterinärmötet, Uppsala, 8-9 November 2006. Oral Presentation

Hasslung Wikström, F., Elving, J., Berg, M., and Fossum, C. (2006). *Importance of secondary structures of ODNs for the induction of interferon-alpha by porcine PBMCs*. Proceedings from 2nd European Veterinary Immunology Workshop, Paris, France, 4-6 September 2005. Poster

Hasslung, F. (2006). *Nyheter rörande PCV2*. Svenska Djurhälsovårdens Fortbildningskonferens, Tylösand, 22-23 mars 2006. Oral Presentation

Hasslung, F., Berg, M., Fuxler, L. and Fossum, C. (2005). *Structure dependent regulatory effect of an oligonucleotide from the genome of PCV2 on interferon-alpha production in vitro*. Proceedings from International conference on animal circoviruses and associated diseases, Belfast, Northern Ireland, Great Britain 11-13 September 2005. Poster

Hasslung, F., Wallgren, P. och Fossum, C. (2004). *PMWS (Postweaning multisystemic wasting syndrome) hos gris – ny sjukdom i Sverige*. Jordbrukskonferensen, Uppsala, 23_24 November 2004. Oral Presentation.

Hasslung, F. (2004). *Interaktion mellan PCV2 och immunsystemet – varför blir grisar sjuka?* Veterinärmötet, Uppsala, 11-12 November 2004. Oral Presentation.

Hasslung, F., Wallgren, P., Allan, G.M., McNeilly, F., Fuxler, L., Watrang, E. and Fossum, C. (2004). *Serum interferon-alpha and interleukin-10 during experimental reproduction of postweaning multisystemic wasting syndrome in pigs*. Proceedings from 7th International Veterinary Immunology Symposium, Quebec City, Canada, 25-30 July, 2004. Oral presentation and poster.

Hasslung, F., Wallgren, P., Watrang, E., McNeilly, F., Allan, G.M., Ellis, J., Segall, T., Belák, K., Melin, L., Berg, M. and Fossum, C (2004). *Experimental reproduction of PMWS in Swedish pigs with two strains of porcine circovirus type 2*. Proceedings from 4th International Geminivirus Symposium and 2nd International ssDNA Comparative Virology Workshop, Cape Town, South Africa, 15-20 February, 2004. Oral presentation.

Hasslung, F., Berg, M. and Fossum, C. (2003). *Interferon-alpha modulatory sequences from the genome of porcine circovirus type 2*. Proceedings from 6th International Congress of Veterinary Virology, Virus Persistence and evolution, Saint-Malo, France, 24-27 August, 2003. Oral presentation.

Projects

Memberships

CVMP vice chair (July 2022-present)

CVMP member (May 2018-present)

CVMP alternate member (December 2013-April 2018)

CVMP IWP member (January 2013-November 2019)

CVMP SAWP-v chair (May 2019-present), vice chair (October 2016-May 2019), member (December 2014-present)

CVMP NTWP member (April 2021-September 2022)

Other Relevant Information