

Publication list

1. Peer-reviewed articles in international journals

- Stenberg H, Leveringhaus E, Malmsten A, Dalin AM, Postel A, **Malmberg M**. Atypical porcine pestivirus-A widespread virus in the Swedish wild boar population. *Transbound Emerg Dis*. 2021 Jul 31.
- Hayer J, Wille M, Font A, González-Aravena M, Norder H, **Malmberg M**. Four novel picornaviruses detected in Magellanic Penguins (*Spheniscus magellanicus*) in Chile. *Virology*. 2021 Aug;560:116-123. Epub 2021 May 25.
- Balinandi S, von Brömssen C, Tumusiime A, Kyondo J, Kwon H, Monteil VM, Mirazimi A, Lutwama J, Mugisha L, **Malmberg M**. Serological and molecular study of Crimean-Congo Hemorrhagic Fever Virus in cattle from selected districts in Uganda. *J Virol Methods*. 2021 Apr;290:114075. Epub 2021 Jan 27.
- A Corduneanu, AD Mihalca, AD Sándor, S Hornok, **M Malmberg**, N Pin Viso, E Bongcam-Rudloff. The heart microbiome of insectivorous bats from Central and South Eastern Europe. *Comp Immunol Microbiol Infect Dis* 2021 Apr;75:101605.doi: 10.1016/j.cimid.2020.101605. Epub 2021 Jan 7.
- Balinandi S, Chitimia-Dobler L, Giulio G, Nakayiki T, Kabasa W, Bbira J, Lutwama JJ, Mugisha L, Malmberg M. Morphological and molecular identification of ixodid tick species (Acari: Ixodidae) infesting cattle in Uganda. *Parasitology Research* 13th June 2020.
- Stenberg H, Jacobsson M, **Malmberg M**. Detection of Atypical porcine pestivirus in Swedish pigs with congenital tremor type A-II. *BMC Veterinary Research*. <https://www.researchsquare.com/article/rs-7404/v3>
- Wille M, Wensman JJ, Larsson S, van Damme R, Theelke A-K, Hayer J, **Malmberg M**. Evolutionary genetics of canine respiratory coronavirus and recent introduction into Swedish dogs. 20th Mar 2020, *Inf. Gene. Evol.* <https://doi.org/10.1016/j.meegid.2020.104290>
- Torresi C, Fiori M, Bertolotti L, Floris M, Colitti B, Giammarioli M, Giudici SD, Oggiano A, **Malmberg M**, Gian Mario De Mia, Belák S, Granberg F. The evolution of African swine fever virus in Sardinia (1978 to 2014) as revealed by whole genome sequencing and comparative analysis. 2020 Mar 12. doi: 10.1111/tbed.13540.
- Senanayake KS, Söderberg J, Pölajev A, **Malmberg M**, Karunanayake EH, Tennekoon KH, Samarakoon SR, Bongcam-Rudloff E, Niazi A. The genome of *Setaria digitata*, a cattle nematode closely related to human filarial parasites. 2020 Feb 1;12(2):3971-3976. *Genome Biology and Evolution*, doi 10.1093/gbe/evaa017
- Mwaiswelo R, Ngasala B, Jovel I, Xu W, Larson E, **Malmberg M**, Gil JP, Premji Z, Mmbando BP, Mårtensson A. Prevalence of and risk factors associated with PCR-determined *Plasmodium falciparum* positivity on day 3 after initiation of artemether-lumefantrine treatment for uncomplicated malaria in Bagamoyo district, Tanzania. 2019 May;100(5):1179-1186. *American Journal of Tropical Medicine & Hygiene*. doi: 10.4269/ajtmh.18-0729
- Balinandi S, Mugisha L, Bbira J, Kabasa W, Nakayiki T, Bakkes DK, Lutwama JJ, Chitimia-Dobler L, **Malmberg M**. General and local morphological anomalies in *Amblyomma lepidum* (Acari: Ixodidae) and *Rhipicephalus decoloratus* infesting cattle in Uganda. *Journal of Medical Entomology*. 2018 Dec 21. DOI: 10.1093/jme/tjy221
- Cárdenas CA, González-Aravena M, Font A, Hestetun JT, Hajdu E, Trefault E, **Malmberg M**, Bongcam-Rudloff E. High similarity in the microbiota of cold-water sponges of the Genus *Mycale* from two different geographical areas. *PeerJ*. 2018 Jun 7;6:e4935 doi: 10.7717/peerj.4935
- Mwaiswelo R, Ngasala B, Gil PG, **Malmberg M**, Jovel I, Xu W, Premji Z, Mmbando BP, Björkman A, Mårtensson A. Sustained high cure rate of artemether-lumefantrine against uncomplicated *Plasmodium falciparum* malaria after 8 years of its wide-scale use in Bagamoyo District, Tanzania. *American Journal of Tropical Medicine & Hygiene*. 2017 Aug;97(2):526-532 DOI: 10.4269/ajtmh.16-0780

Malmberg M, Rubio-Guerri C, Hayer J, García-Párraga D, Nieto-Pelegrín E, Melero M, Álvaro T, Valls M, Sánchez-Vizcaino JM, Belák S, Granberg F. Phylogenomic analysis of the complete sequence of a gastroenteritis-associated cetacean adenovirus (bottlenose dolphin adenovirus 1) reveals a high degree of genetic divergence. *Infection Genetics and Evolution*. 2017 Sep;53:47-55 DOI: 10.1016/j.meegid.2017.05.008

Gadalla NB, **Malmberg M**, Adam I, Oguike MC, Beshir K, Elzaki SE, Mukhtar I, Gadalla AA, Warhurst DC, Ngasala B, Mårtensson A, El-Sayed BB, Gil JP, Sutherland CJ. Alternatively spliced transcripts and novel pseudogenes of the *Plasmodium falciparum* resistance-associated locus *pfcr1* detected in East African malaria patients. *Journal of Antimicrobial Chemotherapy*. 2015 Jan;70(1):16-23

Meera Venkatesan, Nahla B. Gadalla, Kasia Stepniewska, Prabin Dahal, Christian Nsanzabana, Clarissa Moriera, Ric N. Price, Andreas Mårtensson, Philip Rosenthal, Grant Dorsey, Colin J. Sutherland, Philippe Guérin, Timothy M. E. Davis, Didier Ménard, Ishag Adam, George Ademowo, Cesar Arze, Frederick N. Baliraine, Nicole Berens-Riha, Anders Björkman, Steffen Borrmann, Francesco Checchi, Meghna Desai, Mehul Dhorda, Abdoulaye A. Djimdé, Badria B. El-Sayed, Teferi Eshetu, Frederick Eyase, Catherine Falade, Jean-François Faucher, Gabrielle Fröberg, Anastasia Grivoyannis, Sally Hamour, Sandrine Houzé, Jacob Johnson, Erasmus Kamugisha, Jean-René Kiechel, Fred Kironde, Poul-Erik Kofoed, Jacques LeBras, **Malmberg M**, Leah Mwai, Billy Ngasala, Francois Nosten, Samuel L. Nsoyba, Alexis Nzila Mary Oguike, Sabina Dahlström Otienoburu, Bernhards Ogutu, Jean-Bosco Ouédraogo, Patrice Piola, Lars Rombo, Birgit Schramm, A. Fabrice Somé, Julie Thwing, Johan Ursing, Rina P. M. Wong, Ahmed Zeynudin, Issaka Zongo, Carol Hopkins Sibley, Christopher V. Plowe. Polymorphisms in *pfcr1* and *pfmdr1*: parasite risk factors that affect treatment outcomes for *falciparum* malaria after artemether-lumefantrine and artesunate-amodiaquine. *The American Journal of Tropical Medicine and Hygiene*. 2014 Oct;91(4):833-43

Jovel TI, Ferreira PE, Veiga MI, **Malmberg M**, Mårtensson A, Kaneko A, Zakeri S, Murillo C, Nosten F, Björkman A, Ursing J. Single nucleotide polymorphisms in *Plasmodium falciparum* V type H⁺ pyrophosphatase gene (*pfvp2*) and their associations with *pfcr1* and *pfmdr1* polymorphisms. *Infection, Genetics and Evolution*. 2014 Jun;24:111-5.

Malmberg M, Ngasala B, Ferreira PE, Larsson E, Jovel I, Hjalmarsson A, Petzold M, Premji Z, Gil JP, Björkman A, Mårtensson A. Temporal trends of molecular markers associated with artemether-lumefantrine tolerance/resistance in Bagamoyo District, Tanzania. *Malaria Journal* 2013, Mar 18; 12:103.

Malmberg M, Ferreira PE, Tarning J, Ursing J, Ngasala B, Björkman A, Mårtensson A, Gil JP. *Plasmodium falciparum* drug resistance phenotype as assessed by patient antimalarial drug levels and its association with *pfmdr1* polymorphisms. *Journal of Infectious Diseases* 2013 Mar 1;207(5):842-7.

Veiga MI, Ferreira PE, **Malmberg M**, Jörnham L, Björkman A, Nosten F, Gil JP. *pfmdr1* amplification is related to increased *Plasmodium falciparum* in vitro sensitivity to the bisquinoline piperazine. *Antimicrob Agents Chemother*. 2012 Jul;56(7):3615-9.

Veiga MI, Ferreira PE, Jörnham L, **Malmberg M**, Kone A, Aydin-Schmidt B, Petzold M, Björkman A, Nosten F, Gil JP. Novel polymorphisms in *Plasmodium falciparum* ABC transporter genes are associated with major ACT antimalarial drug resistance. *PLoS One*. 2011;6(5):e20212.

Ngasala BE, **Malmberg M**, Carlsson AM, Ferreira PE, Petzold MG, Daniel Blessborn, Bergqvist Y, Gil JP, Premji Z, Björkman A, Mårtensson A. Efficacy and effectiveness of artemether-lumefantrine after initial and repeated treatment in under-five children with acute uncomplicated *Plasmodium falciparum* malaria in rural Tanzania: a randomized trial. *Clinical Infectious Diseases* 2011 Apr 1; 52(7):873-82.

Ngasala BE, **Malmberg M**, Carlsson AM, Ferreira PE, Petzold MG, Daniel Blessborn, Bergqvist Y, Gil JP, Premji Z, Björkman A, Mårtensson A. Effectiveness of artemether-lumefantrine provided by community health workers in under-five children with uncomplicated malaria in rural Tanzania: an open label prospective study. *Malaria Journal* 2011, Mar 16;10:64.

2. Research review article

A review of congenital tremor type A-II in piglets. Stenberg H, Jacobsson M, **Malmberg M**. Animal Health Research Reviews 1–5. Published 18th of Feb 2020. <https://doi.org/10.1017/S146625232000002X>

3. Research perspective articles

Malmberg M, Malm T, Gustafsson O, Sturchio A, Garff C, Espay A, Wright A. P. H., El Andaloussi S, Linden A, Ezzat K. Disentangling the Amyloid Pathways: A Mechanistic Approach to Etiology. Preprints 23rd of Sep 2019 - <https://www.preprints.org/manuscript/201909.0273/v1>, Accepted in Frontiers Neurosciences 25th of Feb 2020.

4. Popular science activities

Feminiseringen av veterinäryrket. Gullberg V, Wlosinska J, Nordéus K, Prytz C, **Malmberg**. s.24-29. Nummer 9, Volym 71, Sep 2019. Svensk Veterinär Tidning

Berg M, Blomström A, **Malmberg M**. Forskningsrapport - Forsknings-samarbete mellan Sveriges lantbruksuniversitet (SLU) och University of São Paulo (USP), Brasilien. Submitted to Svensk Veterinärtidning 2018

Berg M, Blomström A, Bongcam-Rudloff E, Cholleti H, Granberg F, Hayer J, Karlsson O, **Malmberg M**. Ultradjud sekvensering- science fiction eller din nästa diagnostiska metod på kliniken? Svensk Veterinärtidning 2015 Vol 10; 19-24.

5. Non peer-reviewed publications with international coverage

Granberg F, Torresei C, Oggiano A, **Malmberg M**, Iscaro C, De Mia GM, Belák, S. Complete Genome Sequence of an African Swine Fever Virus Isolate from Sardinia, Italy. Genome Announcements. 2016 Nov 17;4(6)

Malmberg M. The role of molecular markers in emerging artemether-lumefantrine resistant *Plasmodium falciparum*. PhD thesis Karolinska Institutet, 2013

Andreasson A, Bergqvist L, Bergström A, Fahlén M, Folkesson M, Hadjab-Lallemend S, Holst S, Hägg S, Juneja A, Karshikoff B, Karimi Arzenani M, Lohela Karlsson M, **Malmberg M**, Stenler S, Tükel S, Yang H, Eliasson M, Nilsson F. Not the chosen one – gender, ethnicity and power in research careers. Karolinska Institutet, 2014 <http://www.uhr.se/Global/DJ%20projektredovisningar%20och%20rapporter/Not%20the%20chosen%20one%20-%20gender%20ethnicity%20and%20power%20in%20research%20careers.pdf>

6. Presentations at conferences

Oral presentations

Balinandi S, Monteil VM, Mugisha L, Mirazimi A, Lutwama JJ, **Malmberg M**. A cross-sectional seroprevalence study of Crimean-Congo Hemorrhagic Fever Virus in cattle, Uganda, 2017. 15th Smögen Summer Symposium on Virology 22-24th Aug 2019, Smögen, Sweden.

Balinandi S, Chitimia-Dobler L, Giulio G, Nakayiki T, Kabasa W, Bbira J, Lutwama JJ, **Malmberg M**, Mugisha L. An investigation of ixodid tick species (Acari: Ixodidae) infesting cattle in Uganda using morphological and molecular identification methods. Swedish Network for Tick Researcher yearly meeting (SNÄFF) 2019, 3-5th June, Ystad, Sweden.

Malmberg M. An interdisciplinary approach addressing tick-borne diseases in Ugandan indigenous cattle. SNÄFF 2017, 3th – 5th May 2017, Varberg, Sweden.

Johansson Wensman J, Wille M, Larsson S, Theelke A, Muradrasoli S, **Malmberg M.** Genetic characterization of canine respiratory coronavirus (CRCoV) in Swedish dogs diagnosed with canine infectious respiratory disease. 12th Smögen Summer Symposium on Virology, Aug 25th - 27th, 2016 – Smögen, Sweden

Malmberg M, Rubio-Guerri C, García-Párraga D, Nieto-Pelegrín E, Melero M, álvaro T, Valls M, Crespo JL, Sánchez-Vizcaíno JM, Belák S, Granberg F. Genetic characterization of novel adenovirus detected in captive bottlenose dolphin (*Tursiops truncatus*) suffering from self-limiting gastroenteritis. Xth International Congress of Veterinary Virology joint with 9th Annual Meeting of EPIZONE, 2015, Aug 31st – Sep 3rd, Montpellier, France

Malmberg M, Hayer J, Karlsson O, Blomström A, Ström Holst B, Johansson Wensman J. Canine infectious tracheobronchitis in Swedish dogs – what does a metagenomics approach reveal? Xth International Congress of Veterinary Virology joint with 9th Annual Meeting of EPIZONE, 2015, Aug 31st – Sep 3rd, Montpellier, France

Malmberg M, Segalés J, Hayer J, Cabezón O, Rosell R, Belák S, Granberg F. Kobuvirus in brains of piglets diagnosed with congenital tremor type A-II. Pathobiome: pathogens in microbiotas in hosts. 24-26th of June, Paris, France.

Malmberg M, Segalés J, Hayer J, Cabezón O, Rosell R, Belák S, Granberg F. Kobuvirus in brains of piglets diagnosed with congenital tremor type A-II. 8th annual EPIZONE meeting, 2014, 23-25 September, Copenhagen, Denmark.

Malmberg M, Kone A, Ngasala B, Ferreira PE, Björkman A, Mårtensson A. Selection of *Plasmodium falciparum* MDR1 polymorphisms among recurrent infections after artemether-lumefantrine treatment but not during parasite clearance. Malaria Multilateral Initiative on Malaria (MIM), 2013, 9th of Oct, Durban, South Africa.

Poster presentations

Feminiseringen av veterinäryrket - Från manlig dominans till kvinnlig på mindre än ett sekel. Gullberg V, Wlosinska J, **Malmberg M.** Lika Villkorskonferensen 19-20th of Nov 2019, Luleå, Sweden.

Balinandi S, Mugisha L, Lutwama J, **Malmberg M.** A Seroprevalence Study of Crimean-Congo Hemorrhagic Fever Virus in Cattle, Uganda, 2017. One Health Sweden conference 26-27 March 2019, Uppsala, Sweden.

Mugisha L, Balinandi S, Berg M, Bongcam-Rudloff E, Chenais E, Chitimia-Dobler L, Fischer K, Grandi G, Hansson I, Hayer J, Pettersson JHO, **Malmberg M.** An interdisciplinary approach addressing ticks and tick-borne diseases of cattle in Uganda., XIth International Congress of Veterinary Virology joint with Annual Meeting of EPIZONE, 27-30th of Aug, 2018, Vienna, Austria & 14th Smögen Summer Symposium on Virology, 25-27th of Aug, 2018, Smögen,

Hayer J, Font A, Gonzalez M, **Malmberg M.** Novel virus detected in Magellanic penguins (*Spheniscus magellanicus*). 13th Smögen Summer Symposium on Virology, 24-16th of Aug, 2017, Smögen, Sweden

Malmberg M, Rubio-Guerri C, Hayer J, García-Párraga D, Nieto-Pelegrín E, Melero M, álvaro T, Valls M, Crespo JL, Sánchez-Vizcaíno JM, Belák S, Granberg F. Genetic characterization of a novel adenovirus detected in captive bottlenose dolphin (*Tursiops truncatus*) suffering from self-limiting gastroenteritis., Virus Genomics and Evolution 2016, 8-10th June, Cambridge, UK.

Andreasson A, Bergqvist L, Bergström A, Fahlén M, Folkesson M, Haddad-Lallemend S, Holst S, Hägg S, Juneja A, Karshikoff B, Karimi Arzenani M, Lohela Karlsson M, **Malmberg M,** Stenler S, Tükel S, Yang H, Eliasson M, Nilsson F. Mentor4Equality – Karolinska Institutet. Jämställdhetskonferens, 2014, 5th of Nov, Stockholm, Sweden.

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Malmberg M, Veiga MI, Dahlström S, Ngasala B, Björkman A, Mårtensson A, Gil JP. In vivo early response of *Plasmodium falciparum* to artemether-lumefantrine is associated with ABC transporter transcripts. Wellcome Trust Conference on Genomic Epidemiology of Malaria, Cambridge, 10-12 June 2012

Malmberg M, Carlsson A, Ferreira PE, Veiga MI, Petzold M, Ngasala B, Bjorkman A, Gil JP, Martensson A. Molecular genotypes and clearance of different *P. falciparum* sub populations in children treated with ACT. 7th European Congress on Trop Med & Int. Health, Barcelona, Spain, 3-6 October 2011