

COUNTRY: DENMARK**ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES****FEBRUARY 2019**

Project title	Start yr	End yr	Contact person	Contact e-mail telephone
Mandatory <i>Streptococcus agalactiae</i> surveillance in Danish Dairy Herds	2009	Ongoing	Michael Farre	+45 87406658 MIFA@SEGES.dk
Udder health in a top class	2019	2022	Michael Farre	+45 87406658 MIFA@SEGES.dk
Udder health in a world class	2019	2020	Michael Farre	+45 87406658 MIFA@SEGES.dk
Effective monitoring and control of mastitis (EMCo-Mast)	2015	2020	Carsten Kirkeby Tariq Halasa	ckir@vet.dtu.dk +45 30709439 tahbh@vet.dtu.dk

COUNTRY: FINLAND**ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES****FEBRUARY 2019**

Project title	Start yr	End yr	Contact person	Contact e-mail telephone
Virulence of <i>S. aureus</i> and coagulase-negative staphylococci (several ongoing subprojects)	2003	ongoing	Suvi Taponen, Joanna Koort, Silja Åvall-Jääskeläinen, Heli Simojoki	suvi.taponen@helsinki.fi joanna.koort@helsinki.fi silja.avall@helsinki.fi heli.simojoki@helsinki.fi
Effect of duration of intramammary treatment in clinical mastitis due to Gram-positive agents in Uruguay	2013	2020	Satu Pyörälä Mari Friman Mette Bouman	satu.pyorala@helsinki.fi mari.friman@helsinki.fi mette@adinet.com.uy
Microbiome of bovine milk	2013	ongoing	Suvi Taponen Satu Pyörälä Heli Simojoki Heidi Hiitio Ruth Zadoks	suvi.taponen@helsinki.fi satu.pyorala@helsinki.fi heli.simojoki@helsinki.fi heidi.hiitio@helsinki.fi ruth.zadoks@more.dun.ac.uk
Pathogen specific knowledge - new approach to control mastitis	2013		Anna-Maija Heikkilä Satu Pyörälä Suvi Taponen Päivi Rajala-Schultz Johanna Vakkamäki	anna-maija.heikkila@mtt.fi satu.pyorala@helsinki.fi suvi.taponen@helsinki.fi paivi.rajala-schultz@helsinki.fi Johanna.vakkamaki@helsinki.fi
Drying-off practices in Finnish dairy herds	2016	2022	Päivi Rajala-Schultz Riitta Niemi Maria Vilar Mari Hovinen, Heli Simojoki	paivi.rajala-schultz@helsinki.fi riitta.e.niemi@helsinki.fi
Teat diseases in Finland	2016	2020	Heli Simojoki, Niina Airas, Mari	heli.simojoki@helsinki.fi niina.airas@helsinki.fi

			Hovinen, Päivi Rajala-Schultz	mari.hovinen@helsinki.fi paivi.rajala-schultz@helsinki.fi
<i>Mycoplasma bovis</i> in bulk tank milk	2015	2020	Vera Haapala Piret Kalmus Heidi Hiitiö Jani Holopainen Heli Simojoki Timo Soveri	vera.haapala@helsinki.fi piret.kalmus@emu.ee heidi.hiitio@helsinki.fi jani.holopainen@thermofisher.com heli.simojoki@helsinki.fi timo.soveri@helsinki.fi
Antimicrobial resistance of mastitis causing staphylococci	2019	2021	Päivi Rajala-Schultz Suvi Taponen Heli Simojoki	paivi.rajala-schultz@helsinki.fi suvi.taponen@helsinki.fi
Antimicrobial resistance of <i>Streptococcus uberis</i> in milk samples of mastitic cows	2019	2022	Maria Vilar Päivi Rajala-Schultz Heli Simojoki	maria.vilar@helsinki.fi paivi.rajala-schultz@helsinki.fi heli.simojoki@helsinki.fi
Can Maldi-ToF MS differentiate <i>Staphylococcus agnetis</i> and <i>S. hyicus</i> ?	2018	2020	Suvi Taponen	suvi.taponen@helsinki.fi karin.persson-waller@sva.se

COUNTRY: NORWAY**ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES****FEBRUARY 2019**

Project title	Start yr	End yr	Contact person	Contact e-mail telephone
Selection experiment with Norwegian Red Selection for low clinical mastitis in one group and high protein yield in the other group	1978	ongoing	Bjørg Heringstad, NMBU Collaboration with Geno, IHA, UMB, and 8 herds (UMB+ agri school herds)	bjorg.heringstad@nmbu.no
Genetic and genomic studies of mastitis (Geno and NMBU)	2002	ongoing	Bjørg Heringstad, NMBU	Bjorg.heringstad@nmbu.no
Bovine mastitis: Genetic background of animals with chronic / subclinical mastitis (PhD project by Elena Kirsanova)	2016	2019	Ingrid Olsaker, Bjørg Heringstad, Anna M. Lewandowska- Sabat	Ingrid.olsaker@nmbu.no
A multidisciplinary approach to the control of pathogen-specific mastitis (Multimast)	2013	2019	Ane Nødtvedt, Anne Storset, Ingrid Olsaker, Bjørg Heringstad, NMBU	Ane.nodtvedt@nmbu.no
Udder health in Automatic Milking Systems (AMS)	2015	2019	Gunnar Dalen TINE/NMBU, Olav Reksen NMBU	Gunnar.dalen@tine.no
Evaluation of VADIA-measurements and relation to mastitis	2015	2019	Håvard Nørstebø TINE/NMBU, Olav Reksen NMBU	Havard.norstebo@tine.no

The udder microbiome in dairy cows: importance for animal health and welfare, mastitis and milk quality	2017	2020	Judith Narvhus, project leader Birgit Ranheim, NMBU, Anne Cathrine Whist, TINE	Judith.narvhus@nmbu.no
Changing patterns of ovine mastitis in a Norwegian meat sheep flock: risk factors, outcomes and impacts on flock health, welfare and production	2016	ongoing	Clare Phythian, NMBU	clare.phythian@nmbu.no
Antimicrobial resistance (AMR): a sheep mastitis treatment problem or a sheep in wolf's clothing? (Moredun Research Institute/ Glasgow University & NMBU)	2016	ongoing	Ruth Zadoks, Glasgow Nuno Silva, Moredun Clare Phythian, NMBU	clare.phythian@nmbu.no
STAT3 expression in healthy and diseased ovine mammary tissue (University of Cambridge & NMBU)	2017	2019	Kate Hughes, Cambridge Clare Phythian, NMBU	clare.phythian@nmbu.no
Increasing sustainability of Norwegian food production by tackling streptococcal infections in modern livestock systems	2018	2022	Hannah Jørgensen, Norwegian Veterinary Institute (NVI)/ Marit Smistad, Tine/NVI	Hannah.jorgensen@vetinst.no Marit.smistad@tine.no
Bacterial causes of ovine mastitis in Norway	2018	2019	Marianne Gilhuus, Hannah Jørgensen, Annette Kampen (NVI), Tore Tollersrud, Vibeke Tømmerberg (Animalia)	Hannah.jorgensen@vetinst.no

COUNTRY: SWEDEN

ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES

FEBRUARY 2019

Project title	Start yr	End yr	Contact person	Contact e-mail telephone
Microbiome analysis of bovine milk – a tool for better understanding of mammary health	2013	2019	Sigrid Agenäs, SLU	Sigrid.Agenas@slu.se +46 (0)18 671000
Udder cleft dermatitis and hock lesions in dairy cows	2014	2020	Karin Persson Waller, SVA	Karin.Persson-Waller@sva.se +46 (0)18 674000
Mastitis in dairy cows in Rwanda: characterization, prevalence, etiology, molecular epidemiology and effects on milk quality	2015	2019	Renée Båge, SLU Ylva Persson, SVA	Renee.bage@slu.se +46(0)18 671000 Ylva.Persson@sva.se +46(0)18 674000
Improved detection of mastitis in dairy cows	2016	2020	Ulf Emanuelson, SLU	Ulf.Emanuelson@slu.se
Control of <i>Streptococcus agalactiae</i> to reduce subclinical mastitis in pastoralist camel herds in Kenya	2016	2019	Erika Chenais, SVA	Erika.Chenais@sva.se +46(0)18 674098
Studies on evolution of <i>Streptococcus agalactiae</i> milk isolates in Sweden from 1953 to 2012	2016	2019	Karin Persson Waller, SVA	Karin.Persson-Waller@sva.se +46 (0)18 674000
Update and modernization of existing information material on mastitis in dairy cows	2017	2020	Karin Persson Waller, SVA	Karin.Persson-Waller@sva.se +46 (0)18 674000
Good udder health in primiparous cows – a way to good economy in the dairy farm	2017	2020	Karin Persson Waller, SVA	Karin.Persson-Waller@sva.se +46 (0)18 674000
Swedish dairy farmers' decision making, attitudes, and motives to work preventively towards mastitis for improved animal welfare	2017	2020	Nina Lind, SLU	Nina.Lind@slu.se +46(0)18 671000
Individually adapted lactation length for paying and sustainable milk production	2018	2020	Kjell Holtenius, SLU	Kjell.holtenius@slu.se +46(0)18671000
Sensor based mastitis management in automatic milking system	2018	2023	Ulf Emanuelson, SLU	Ulf.Emanuelson@slu.se +46(0)18671826
Genotyping of <i>Staphylococcus aureus</i> from Swedish dairy cows with mastitis as a basis for future guidance	2018	2019	Karin Artursson, SVA	Karin.artursson@sva.se +4618674000

Targeting key virulence factors in <i>Staphylococcus aureus</i> during the initial phase of infection using omics and live cell microscopy analyses	2018	2020	Karin Artursson, SVA	Karin.artursson@sva.se +4618674000
Evaluation of differential somatic cell count as a tool for udder health evaluation	2018	2019	Ann Nyman, Växa Sverige	Ann.nyman@vxa.se +46 (0)10 4710656
Genotyping for better knowledge of spread, virulence and resistance of coagulase-negative staphylococci from cases of mastitis in dairy cows including zoonotic aspects	2019	2021	Karin Persson Waller, SVA	Karin.Persson-Waller@sva.se +46 (0)18 674000
Drying-off and dry cow therapy – routines and attitudes among Swedish dairy farmers and veterinarians	2019	2020	Karin Persson Waller, SVA	Karin.Persson-Waller@sva.se +46 (0)18 674000
Climate change mitigation by a sustainable water buffalo dairy chain in Bangladesh.	2019	2021	Ylva Persson, SVA	Ylva.persson@sva.se +46(0)18674000