

## **COUNTRY: DENMARK**

### **ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES**

**JANUARY 2024**

<b>Project title</b>	<b>Start year</b>	<b>End year</b>	<b>Contact person</b>	<b>Contact e-mail / telephone</b>
Mandatory Streptococcus agalactiae surveillance in Danish Dairy Herds	2009	Ongoing	Michael Farre	+45 23835400 <a href="mailto:MIFA@SEGES.dk">MIFA@SEGES.dk</a>
PhD-project: Towards herd-specific udder health management	2019	2024	Michael Farre	+45 23835400 <a href="mailto:MIFA@SEGES.dk">MIFA@SEGES.dk</a>
Selective DCT at quarter level with responsibly consumption of antimicrobials	2022	2024	Michael Farre, Volker Krömker, Lærke Boye Astrup, Carsten Kirkeby Nadia Alsted	+45 23835400 <a href="mailto:MIFA@SEGES.dk">MIFA@SEGES.dk</a> <a href="mailto:carsten.kirkeby@sund.ku.dk">carsten.kirkeby@sund.ku.dk</a> <a href="mailto:volker.kroemker@sund.ku.dk">volker.kroemker@sund.ku.dk</a> <a href="mailto:boyeastrup@gmail.com">boyeastrup@gmail.com</a>
Safe diagnostics i B-streptococci herds	2023	2025	Michael Farre, Malene Budde, Malene Byskov, Line Svennesen	<a href="mailto:MIFA@SEGES.dk">MIFA@SEGES.dk</a>
Climate, animal welfare and economy in healthy cows (KlimaKS)	2022	2025	Søren Østergaard, Mogens Agerbo Krogh, Karl Pedersen	<a href="mailto:soren.ostergaard@anivet.au.dk">soren.ostergaard@anivet.au.dk</a>
Assess the economic and societal burden of selected priority diseases and production diseases. EU Partnership of Animal Health and Welfare	2024	2026	Søren Østergaard, Mogens Agerbo Krogh, Karl Pedersen	<a href="mailto:soren.ostergaard@anivet.au.dk">soren.ostergaard@anivet.au.dk</a>
Why does some cases of E-coli-mastitis cause so much production loss?	2024	2024	Sofie Kromann, Henrik Elvang, Helle Andreasen, Marc Stegger, Rikke Heidemann, Volker Krömker	<a href="mailto:sok@sund.ku.dk">sok@sund.ku.dk</a>
Development of on-farm mastitis tests to identify Klebsiella mastitis	2024	2024	Volker Krömker	<a href="mailto:Volker.kroemker@sund.ku.dk">Volker.kroemker@sund.ku.dk</a>

**COUNTRY: FINLAND****ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES****JANUARY 2024**

Project title	Start yr	End yr	Contact person	Contact e-mail telephone
Interaction of <i>S. aureus</i> and the bovine udder	2024	2027	Suvi Taponen, Joanna Koort, Silja Åvall-Jääskeläinen	<a href="mailto:suvi.taponen@helsinki.fi">suvi.taponen@helsinki.fi</a> <a href="mailto:joanna.koort@helsinki.fi">joanna.koort@helsinki.fi</a> <a href="mailto:silja.avall@helsinki.fi">silja.avall@helsinki.fi</a>
Antimicrobial resistance of mastitis pathogens – 2022 survey	2022	2024	Tiina Autio, Päivi Rajala-Schultz Heli Simojoki	<a href="mailto:tiina.autio@ruokavirasto.fi">tiina.autio@ruokavirasto.fi</a>
Healthy udders with low or no use of antibiotics – Nordic mastitis researchers' network	2020	2024	Päivi Rajala-Schultz, Karin Persson Waller, Volker Krömker, Ingrid Hunter Holmøy	<a href="mailto:paivi.rajala-schultz@helsinki.fi">paivi.rajala-schultz@helsinki.fi</a>
On-farm deaths of dairy cows – reasons and risk factors (manuscript preparation continues during 2024)	2020	2024	Päivi Rajala-Schultz Heli Nordgren, Karoliina Hagner, Kristiina Sarjokari	<a href="mailto:paivi.rajala-schultz@helsinki.fi">paivi.rajala-schultz@helsinki.fi</a>
Prevalence, risk factors and genetic diversity of mastitis-causing <i>Streptococcus uberis</i> in dairy herds	2024	2027	Päivi Rajala-Schultz Riitta Niemi Tiina Autio	<a href="mailto:paivi.rajala-schultz@helsinki.fi">paivi.rajala-schultz@helsinki.fi</a> <a href="mailto:riitta.e.niemi@helsinki.fi">riitta.e.niemi@helsinki.fi</a> <a href="mailto:tiina.autio@ruokavirasto.fi">tiina.autio@ruokavirasto.fi</a>

## **COUNTRY: NORWAY**

### **ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES**

**JANUARY 2024**

<b>Project title</b>	<b>Start yr</b>	<b>End yr</b>	<b>Contact person</b>	<b>Contact e-mail</b>
New Approaches to MASTitis treatment and Effective prevention: NAMASTE	2022	2025	Ingrid Holmøy, NMBU Håvard Nørstebø TINE	<a href="mailto:ingrid.holmoy@nmbu.no">ingrid.holmoy@nmbu.no</a>
Trawl: Applying transmission model techniques and biosensor data to improve animal health and welfare in Norwegian dairy herds	2021	2025	Camilla Kielland, NMBU	<a href="mailto:camilla.kielland@nmbu.no">camilla.kielland@nmbu.no</a>
Whole genome sequencing of Streptococcus agalactiae from bovine mastitis	2023	2024	Solveig Sølverød Mo, NVI/Marit Smistad TINE	<a href="mailto:Solveig.mo@vetinst.no">Solveig.mo@vetinst.no</a> <a href="mailto:Marit.smistad@tine.no">Marit.smistad@tine.no</a>
HoliCow: A holistic approach to an old problem: deciphering complex host-microbiome-pathogen relationships in bovine mastitis	2021	2024	Davide Porcellato, NMBU	<a href="mailto:davide.porcellato@nmbu.no">davide.porcellato@nmbu.no</a>
Whole genome sequencing of Staphylococcus aureus from ovine udders. (Samples collected in the Ovimast project)	2022	2024	Solveig Sølverød Mo, NVI	<a href="mailto:Solveig.mo@vetinst.no">Solveig.mo@vetinst.no</a>
Ovimast: Can vaccination against Staphylococcus aureus prevent mastitis in ewes in the grazing period?	2022	2024	Lisbeth Hektoen NMBU	<a href="mailto:lisbeth.hektoen@nmbu.no">lisbeth.hektoen@nmbu.no</a>
GoatMilkSCC: High somatic cell numbers in goat milk – influence on product quality	2021	2024	Siv Skeie, NMBU/Marit Smistad, TINE	<a href="mailto:Siv.skeie@nmbu.no">Siv.skeie@nmbu.no</a> <a href="mailto:marit.smistad@tine.no">marit.smistad@tine.no</a>
PrevEco: OneHealth approach to sustainable prevention and treatment of infectious diseases	2021	2024	Morten Kjos NMBU	<a href="mailto:morten.kjos@nmbu.no">morten.kjos@nmbu.no</a>
Elucidating the biology of bovine mastitis pathogens by novel molecular tools (PhD)	2022	2025	Davide Porcellato, Marita Torrisen, NMBU	<a href="mailto:davide.porcellato@nmbu.no">davide.porcellato@nmbu.no</a>
iKu – Innovative analyses of milk components, sensor and registry data for improved breeding, health, and reproduction in dairy cows	2022	2027	Olav Reksen NMBU	<a href="mailto:olav.reksen@nmbu.no">olav.reksen@nmbu.no</a>
High somatic cell counts in Norwegian dairy goat bulk milk. Seasonal changes.	2023	2024	Erik Georg Granquist	<a href="mailto:erikgeorg.granquist@nmbu.no">erikgeorg.granquist@nmbu.no</a>
Vaccination against Staphylococcus aureus in Norwegian dairy goat herds	2024	2025	Erik Georg Granquist	<a href="mailto:erikgeorg.granquist@nmbu.no">erikgeorg.granquist@nmbu.no</a>

## **COUNTRY: SWEDEN**

### **ONGOING MASTITIS-RELATED RESEARCH PROJECTS IN THE NORDIC COUNTRIES**

**JANUARY 2024**

<b>Project title</b>	<b>Start yr</b>	<b>End yr</b>	<b>Contact person</b>	<b>Contact e-mail telephone</b>
Climate change mitigation by a sustainable water buffalo dairy chain in Bangladesh	2019	2024	Ylva Persson, SVA	<a href="mailto:Ylva.persson@sva.se">Ylva.persson@sva.se</a> +46(0)18674000
Extreme weather – impacts on health and productivity of dairy cows	2019	2024	Lena-Mari Tamminen, SLU	<a href="mailto:Lena.mari.tamminen@slu.se">Lena.mari.tamminen@slu.se</a> +46 (0)18 671000
Mastitis in a sustainable dairy production - strategies and recovery	2020	2024	Lisa Ekman och Nils Fall, SLU	<a href="mailto:Lisa.ekman@slu.se">Lisa.ekman@slu.se</a> +46 (0)18 671000
Understanding antibiotic use decision making in contrasting countries and animal species - On the road to reducing antimicrobial resistance	2020	2024	Gabriela Olmos Antillón, SLU Nils Fall, SLU	<a href="mailto:gabriela.olmos.antillon@slu.se">gabriela.olmos.antillon@slu.se</a> +46 (0)702891055 <a href="mailto:nils.fall@slu.se">nils.fall@slu.se</a>
Digital precision breeding – increased welfare and production in dairy cows (Swedish part)	2020	2024	Lars Rönnegård, SLU	<a href="mailto:Lars.Ronnegard@slu.se">Lars.Ronnegard@slu.se</a> +46 (0)18 671000
Biosecurity, herd health management and milk production in smallholder farms in northern province Rwanda	2020	2024	Renée Båge, SLU	<a href="mailto:Renee.bage@slu.se">Renee.bage@slu.se</a> +46 (0)18 671000
Using AI for automatic identification of bacterial growth on a multiple-media agar plate	2021	2024	Josef Dahlberg, SLU	<a href="mailto:Josef.Dahlberg@slu.se">Josef.Dahlberg@slu.se</a> +46 (0)18 671000
Evaluation of a vaccine against S. aureus mastitis through experimental infusion	2023	2025	Josef Dahlberg, SLU	<a href="mailto:Josef.Dahlberg@slu.se">Josef.Dahlberg@slu.se</a> +46 (0)18 671000
Mapping the road for a sustainable digitalization within dairy production	2022	2025	Lisa Ekman, SLU	<a href="mailto:Lisa.ekman@slu.se">Lisa.ekman@slu.se</a> +46 (0)10 4710725