



PRESS RELEASE

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Probi and Örebro University to collaborate on research into exploration of novel, needle free vaccines.

Örebro University, in collaboration with Probi AB, and nine other Swedish companies have been granted funding for research into novel, needle free vaccines through delivery via mucous membranes instead of using traditional injections.

Researchers will develop different types of novel vaccines and investigate vaccination through the mucous membranes. The delivery technology project will include the use of probiotic bacteria as carriers for the vaccine antigens, with the aim of inducing immunity against pathogens. The capability of probiotic bacteria to persist in close proximity to the mucosal surfaces will be utilized for presenting the vaccine antigens to the immune system and exerting immune-stimulating effects.

“This type of vaccine already exists today, for instance for polio. However, in general, vaccination via the mucous membranes are underused, even though many virus and bacteria enter the body this way”, says Magnus Johansson, professor in bio-medicine and project manager of the research project.

“A lot of virus and bacteria enter the body through the mucous membranes, where a majority of our immune system is located. Therefore, we believe that probiotics can play a vital role as delivery carrier”, Professor Magnus Johansson explains.

Titti Niskanen, Director R&D & Clinical Operations at Probi adds: “We are proud to be working with Örebro University and the other parties in order to examine how to meet a clear unmet medical need. Being part of a vaccine technology development which can actually help save lives is very special to Probi, as this was the reason for Probi’s foundation almost 30 years ago.”

“Industry-academic partnerships are powerful engines to drive innovation, and we hope that the research project will result in a new vaccine delivery technology that can be used in the fight of any future virus pandemic, like the Covid-19 which we are currently experiencing”, Professor Magnus Johansson concludes.

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ABOUT PROBI

Probi is a world leader within probiotics. Our vision is to help people live healthier lives by delivering effective and well-documented probiotics, with proven health benefits based on scientific research. Probi offers dedicated probiotic expertise and partnership all the way from R&D to finished products for companies within the consumer healthcare and food industry. Our GMP certified manufacturing facilities produce probiotics in custom made formats with value-adding delivery technologies. Founded by scientists in Sweden 1991, Probi is a multinational company with 4 centers of excellence, active in more than 40 markets around the world and holding over 400 patents worldwide. Read more at www.probi.com



The 10 companies participating in "utvecklavaccin@oru":

Valneva Sweden AB

Eurocine Vaccines AB

Adlego Biomedical AB

Svenska Vaccinfabriken Produktion AB

Mivac Development AB

Nordic BioAnalysis AB

Probi AB

Academy of Quality in Pharm Science AB

GU Ventures AB

Vecura (Karolinska universitetssjukhuset)