



STRENGTHENING ANIMAL PRODUCTION AND HEALTH
THROUGH THE IMMUNE RESPONSE

CONTENTS

SAPHIR

[News](#)

[Project People](#)

[Events](#)

[Contact](#)

SAPHIR: A New Era For Animal Health!

SAPHIR brings together interdisciplinary expertise from fourteen academic institutes including a Chinese partner, five SMEs, one pharmaceutical company and the European association of animal breeding organisations.

World-wide or local eradication of several animal diseases has been achieved with the support of vaccines, but for many commercial vaccines remain ineffective. In SAPHIR, we have selected representative pathogens that are responsible for major diseases for which next generation vaccines are crucial to ensure sustainable food animal production.



By generation of innovative vaccine strategies SAPHIR will minimize public health risks by preventing and controlling animal diseases and reducing the use of antibiotics in the 'one health' perspective. A decrease in animal diseases and anti-microbial use will result in an improved animal welfare and therefore will increase productivity, efficiency and profitability of animal agriculture.

[Read more about SAPHIR.](#)

NEWS

SAPHIR WP2 - Identification of the sociological pathways for SAPHIR diseases

The objective of WP2 is to develop a sociological pathway to understand farmers' vaccination behaviours. There are two deliverables which have been achieved: Theoretical framework and a practical story-based methodology. [Read more.](#)

SAPHIR WP7 - Progress on Development of DIVA BRSV Vaccines

The goal of WP7 is to;

- i) bring a safe, cost-effective, single shot DIVA BRSV vaccine to the demonstration stage,
- ii) identify immune correlates of protection in vaccinated animals and,
- iii) monitor BRSV-specific immunity longitudinally in naturally infected animals to be able to tailor the vaccination to stop the circulation of this virus.

[Read more.](#)

SAPHIR WP11 - Latest DMN Developments

As an alternative to conventional needle and syringe delivery of vaccines, this project involves the development of a novel DNA vaccine-loaded dissolving microneedle patch (Figure 1).

[Read more.](#)

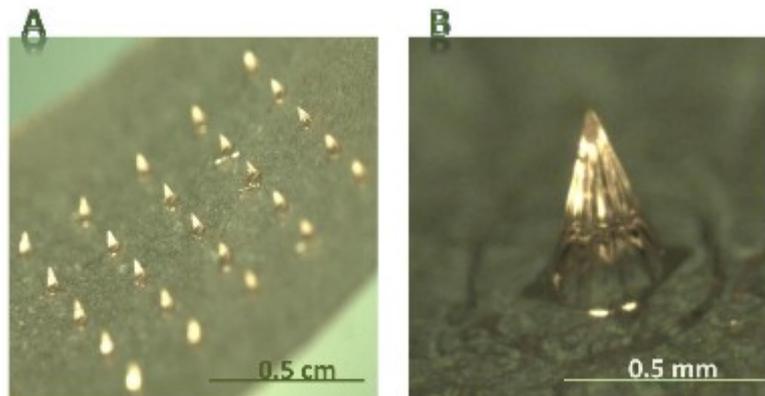


Figure 1: Microscopic image of (A) DNA vaccine-loaded dissolving microneedle patch and (B) single DNA vaccine-loaded microneedle

SAPHIR WP17 - Integrated Animal Health Management website is now online

NOW ONLINE!

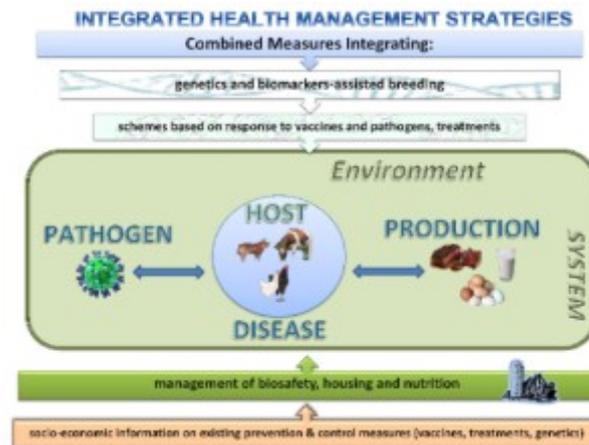


The first page of Integrated Health Management Strategies is now online at SAPHIR Website. It provides an overall view of the whole understanding which lies underneath the SAPHIR project;

PREVENTION IS BETTER THAN CURE!

BUT

INTEGRATING DIFFERENT PREVENTING & CONTROL MEASURES IS EVEN BETTER!



[Read more on Integrated Health Management Strategies.](#)

PROJECT PEOPLE



a Isabelle Schwartz-Cornil
SAPHIR Coordinator

isabelle.schwartz@jouy.inra.fr

Isabelle Schwartz-Cornil, the SAPHIR coordinator, is working at the National Institute for Agriculture Research (INRA) in France. She is head of the "Vaccine, Viruses and Immunopathology" team in the Molecular Virology and Immunology department at INRA in Jouy-en-Josas, near Paris.

[Read more.](#)

Marie-Hélène Pinard-van der Laan
SAPHIR Deputy-Coordinator

marie-helene.pinard@jouy.inra.fr



Dr MH Pinard-van der Laan, the SAPHIR deputy-coordinator, is a senior scientist in the Animal Genetics Division at the French National Agronomic Research Institute (INRA) in Jouy-en-Josas. She leads research in

immunogenetics and genetics of disease resistance.

[Read more.](#)



Aurélie Brehmer
SAPHIR Manager

Aurelie.Brehmer@paris.inra.fr

Aurélie Brehmer is a consultant in the European projects department of INRA Transfert, INRA subsidiary.

[Read more.](#)

Miriam van Straten
SAPHIR Pillar E and WP 17 Leader

miriam.vanstraten@effab.info



Miriam van Straten is Project Manager at the European Forum of Farm Animal Breeders (EFFAB), based in Wageningen, The Netherlands.

[Read more.](#)

EVENTS

European Veterinary Vaccinology Workshop

9-10 May, 2016, Ghent/BELGIUM

The European Veterinary Vaccinology Workshop, which is organised by H2020 SAPHIR, H2020 PARAGONE and the UK Veterinary Vaccinology Network, will take place on the 9th and 10th of May 2016 at HetPand in Ghent, Belgium .
[Read more](#)

SAPHIR Annual Meeting

10-12 May, 2016, Ghent/BELGIUM

SAPHIR Annual Meeting 2016 will take place between 10 - 12 of May 2016 at HetPand in Ghent, Belgium.
[Read more](#)

SAPHIR Stakeholder Meeting

29 August - 2 September, 2016, Belfast/UK

SAPHIR Stakeholder Meeting will be organised during the 67th Annual Meeting of the European Federation of Animal Science which will run from 29 August – 2 Sept 2016, in Belfast, UK.

[Read more](#)

[Read more about upcoming SAPHIR events.](#)

CONTACT

Isabelle Schwartz-Cornil^a
Project Coordinator
INRA
+33 13 46 526 43
Isabelle.schwartz@jouy.inra.fr

Marie-Hélène Pinard
Deputy Coordinator
INRA
+33 13 46 521 84
marie-helene.pinard@jouy.inra.fr

 Visit our website



This project has received funding from the European Union's Horizon 2020 Programme for research, technological development and demonstration under the Grant Agreement n°633184 and Swiss Government.

Copyright © 2015 SAPHIR project, All rights reserved.

This publication reflects the views only of the author, and not the European Commission (EC). The EC is not liable for any use that may be made of the information contained herein.

You receive this newsletter because you are on the SAPHIR contact list or on the contact list of one of our project partners and we sincerely think you might be interested in SAPHIR project news.

Do you wish not to receive further newsletters of SAPHIR, please click the unsubscribe button below.