



STRENGTHENING ANIMAL PRODUCTION AND HEALTH THROUGH THE IMMUNE RESPONSE

BECAUSE PREVENTION IS BETTER THAN CURE!

Developing innovative, safe, affordable and effective vaccine strategies against endemic pathogens responsible for high economic losses in livestock.

SAPHIR INNOVATIONS:

Innovative, safe, affordable and effective vaccine strategies

- New tissue culture-adapted PRRSV, PRRSV DNA vaccines, new *Mycoplasma hyopneumoniae* bacterin (pigs)
- *M. bovis* vaccine candidates, BRSV protein and attenuated vaccines (cattle)
- Recombinant *Eimeria* and *Clostridium perfringens* vector vaccines (chickens)
- Species and age specific adjuvants



Markers

Genetic, genomic and protein biomarkers from blood and/or broncho-alveolar lavages.
To be used in breeding schemes and to a tailored use of antimicrobials

Integrated Health Management Strategies

Concept for building and validating integrated holistic environmental and systems approach including “pathogens” and “hosts” as animals in “production” systems and modeling of vaccine impact.

Socio-economic drivers of vaccine use

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