

## BACKGROUND:

- CBPP is characterized by immunopathology, i.e. dysregulation of the host's immune response.
- In vitro data indicates that this dysregulation begins at the very early stages of infection, at the initial site of bacteria-host cell interaction in the lung.
- We aim towards identifying vaccine candidates that can disrupt the bacteria-induced dysregulation of the host's immune response.

## Identification of virulence factors as novel vaccine targets for contagious bovine pleuropneumonia by whole genome saturated mutagenesis

## OUTLINE:

- 1) Generation of a high quality random transposon mutant library of *Mycoplasma mycoides* subsp. *mycoides*;
- 2) Provide proof of principle that the library can be used to identify putative virulence factors to be used as future vaccine candidates

## Quick Facts:

Donor: IVVN

Funding: GBP 100,000

Duration: 1 year (yet to start)

Partners: Roslin Institute, FLI

PI: Elise Schieck

[e.schieck@cgiar.org](mailto:e.schieck@cgiar.org)

