



# USAID: Engineering of *Theileria parva* using CRISPR-Cas9 for an improved live vaccine without use of antibiotics

ILRI will employ Nobel-price winning technology

Long term aim: To avoid antibiotics and to ease delivery compared to existing vaccine

**BRAND NEW PROJECT !**

Seek to attenuate *Theileria parva*

Somebody ?



New PhD student

## Facts

Budget : 653,000 USD (ILRI) (component)

Donor: USAID / CGIAR

Partners: Washington State University and others.

Duration: Oct 2020 – Oct 2025

PI: Lucilla Steinaa

## The project in short

- Mining/ analyzing genomic data for selection of target genes for modification.
- Genetically modification of *Theileria parva* genes using CRISPR Cas.
- Testing of attenuated *T. parva*'s in cattle.