Injection of *S. aureus* in the left udder

The right udder remains the uninfected control

**Kinetics of infection**

Non-invasive sampling (milk) collected at different times:

- 6h
- 12h
- 18h
- 24h
- 30h

MFG with cytoplasmic crescent

RNA extraction from this material before challenge and then every 6 hours post infection

**Slaughter**

- Laser capture microdissection on mammary tissue slices

- Infrared laser capture
- Lift cap from slide
- Cap with captured cells

RNA extraction from this material before challenge and then every 6 hours post infection