Major goals of the in vivo study

- Role of mallards (*Anas platyrhynchos*) after pre-exposure to LPAIV in dynamics of clade 2.3.4.4 B HPAIV infection (*LPAIV + heterologous HPAIV*).

- Variances in dynamics after re-infection of surviving ducks with the homologous clade 2.3.4.4 B virus (*HPAIV + homologous HPAIV*).
Results: LPAIV + heterologous HPAIV H5N8 - clinical score & survival rates

**Mallards**

- Clinical score
- Survival

**Infection control**

- Clinical score
- Survival

**Mallards:** mild symptoms

Fatal disease in contact and naïve Pekin ducks, up to 100% case fatality rate
Results: HPAIV + homologous HPAIV H5N8 - clinical score & survival rates

No clinical symptoms & no infection of contact ducks