

## Interaction between *Ascaris suum* and *Pasteurella multocida* in the lungs of mice - DTU Orbit (08/11/2017)

### Interaction between *Ascaris suum* and *Pasteurella multocida* in the lungs of mice

In an experiment including 8 groups of 15 mice, the effect of migrating *Ascaris suum* larvae in the lungs on the establishment and pathogenicity of aerosol exposure to *Pasteurella multocida* was investigated. Following aerosol exposure to *P. multocida*, mice with migrating *A. suum* in their lungs developed more severe pneumonia and septicaemia than did parasite-free mice. The parasite-induced effect on bacterial pathogenicity was more marked for a non-toxin-producing *P. multocida* as compared with a toxin-producing strain of *P. multocida*, possibly due to the higher spontaneous pathogenicity of the non-toxigenic strain of *P. multocida*. The present results should encourage controlled experiments on possible interactions between *A. suum* and various airborne microbial infections in pigs.

### General information

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