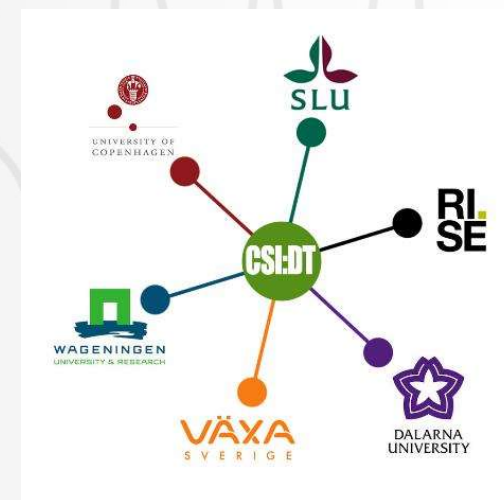


# Duration of intramammary infections

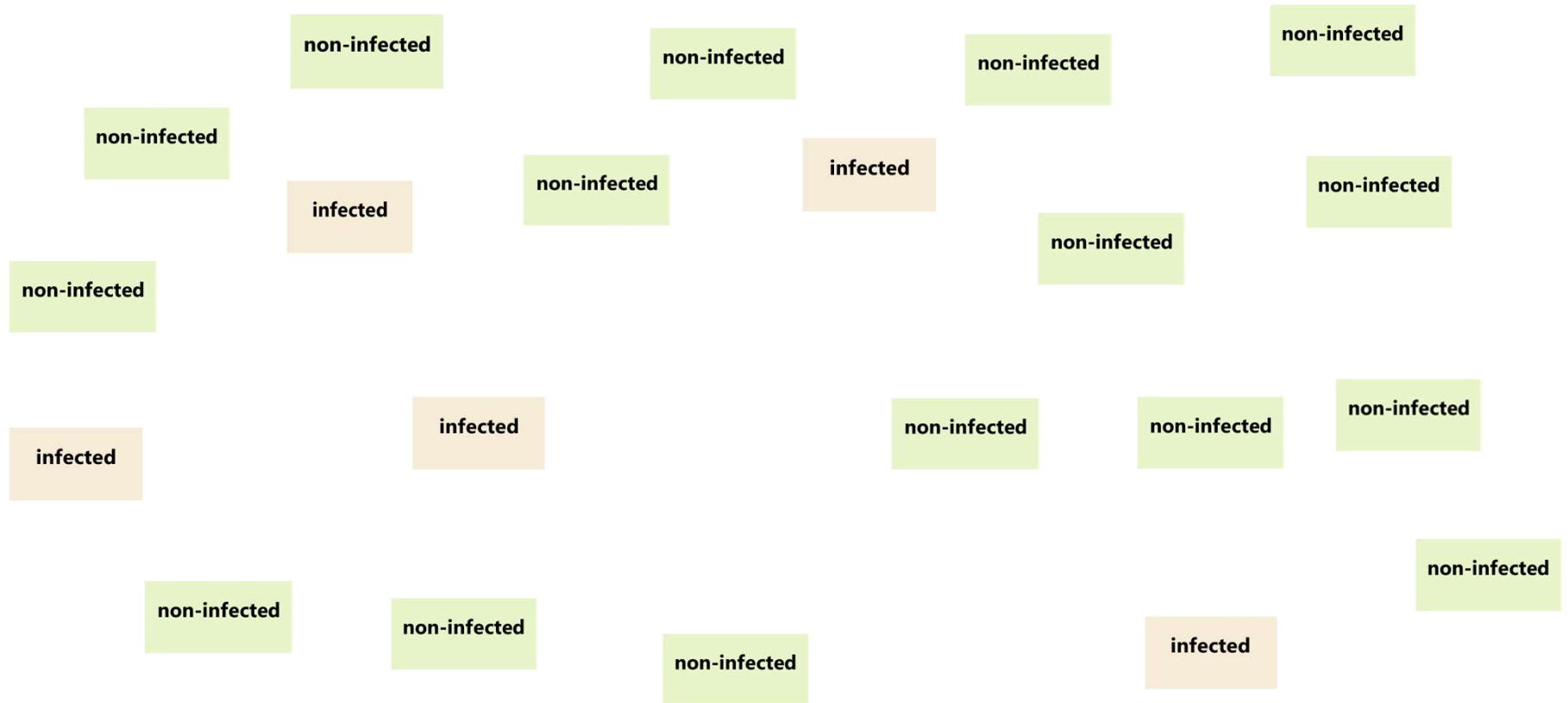
CPH cattle 2022

**Svenja Woudstra**, Nicole Wente, Yanchao  
Zhang, Stefanie Leimbach, Carsten Kirkeby,  
Maya Gussmann, Volker Krömker

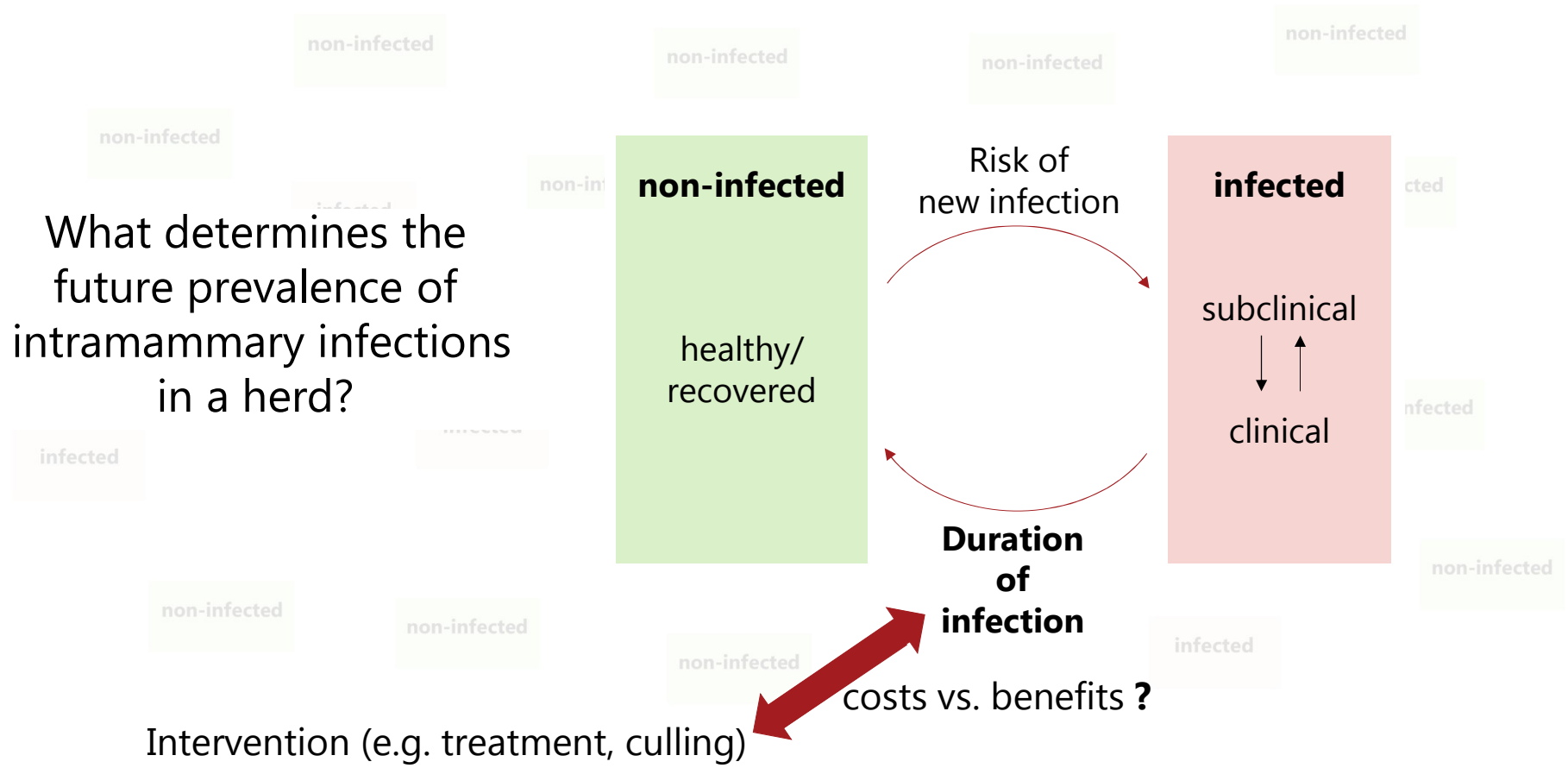
KØBENHAVNS UNIVERSITET



### Intramammary infection dynamics on herd level



### Intramammary infection dynamics on herd level



## Study objective

Data on durations of intramammary infections in dairy cows is scarce

- on species level (e.g. non-aureus Staphylococci)
- on strain level (i.e. different genotypes of the same species)
  - important to distinguish ongoing from new infections

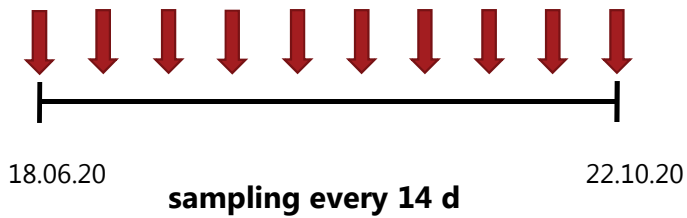


Longitudinal study on infection durations of intramammary infections on strain level

## Study design



~ 200 lactating cows  
freestall barn  
milking parlour

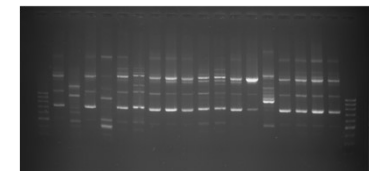
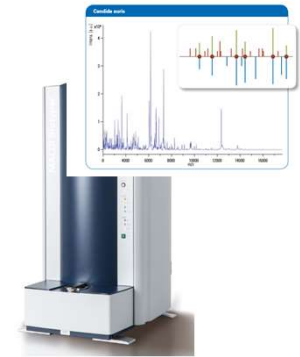


### additional data:

cow information (calving, culling, drying off, treatments)



standard microbiology  
of 8093 milk samples



## Pathogens in foremilk samples\*:

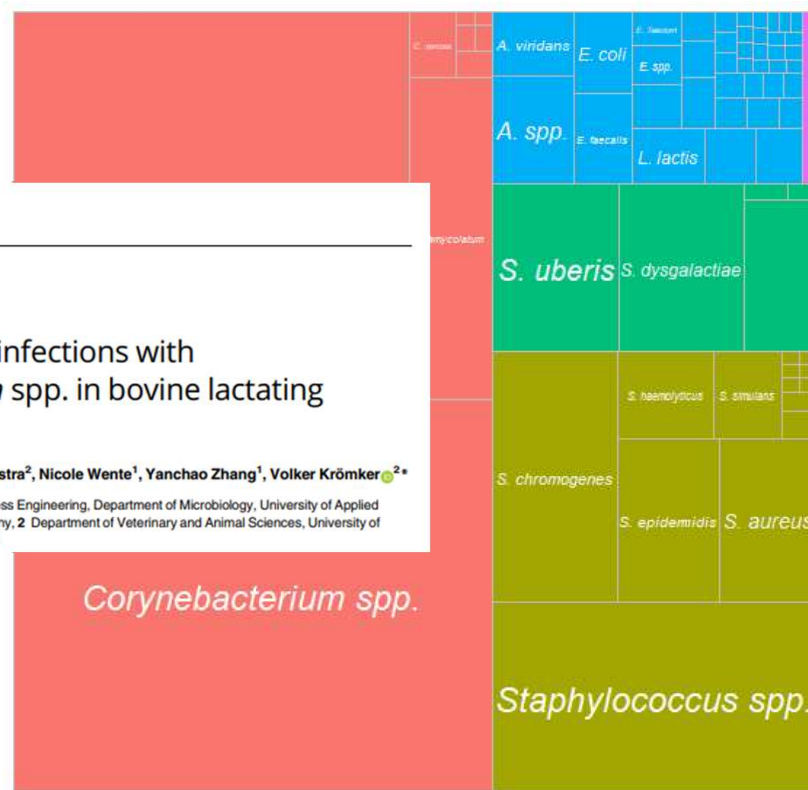
PLOS ONE

RESEARCH ARTICLE

### Intramammary infections with *Corynebacterium* spp. in bovine lactating udder quarters

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Genus

- Corynebacterium*
- Staphylococcus*
- Streptococcus*
- others
- not identified

Thank you for listening

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