

Airborne Pathogen Detection via MASC-On



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Atmospheric Science



Innosuisse

Part of the **RIQAP** Project



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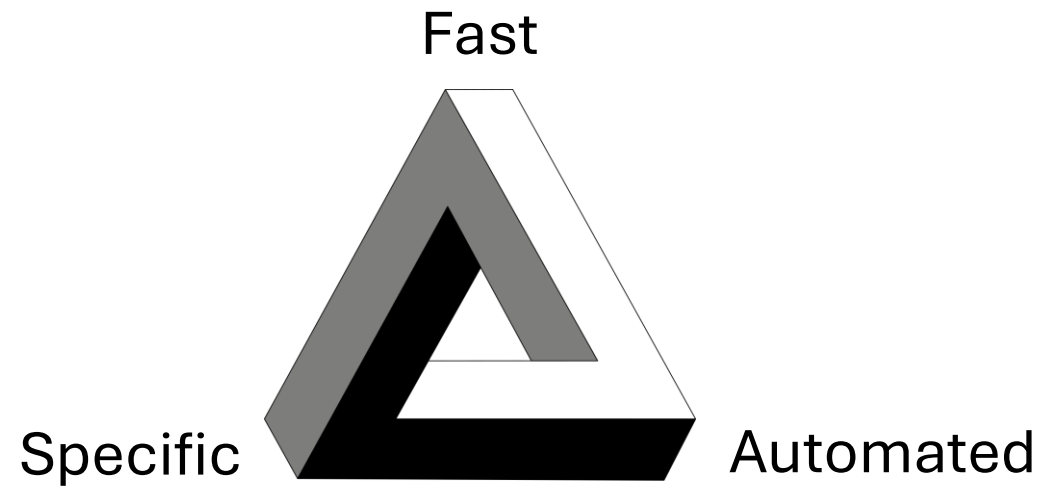
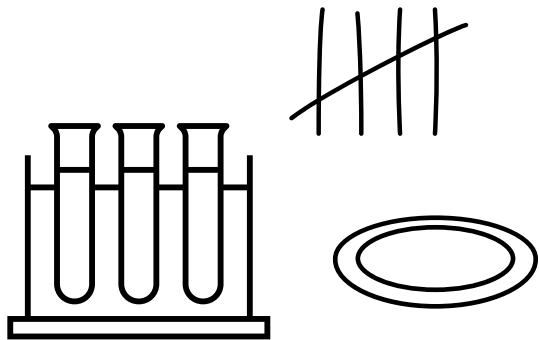


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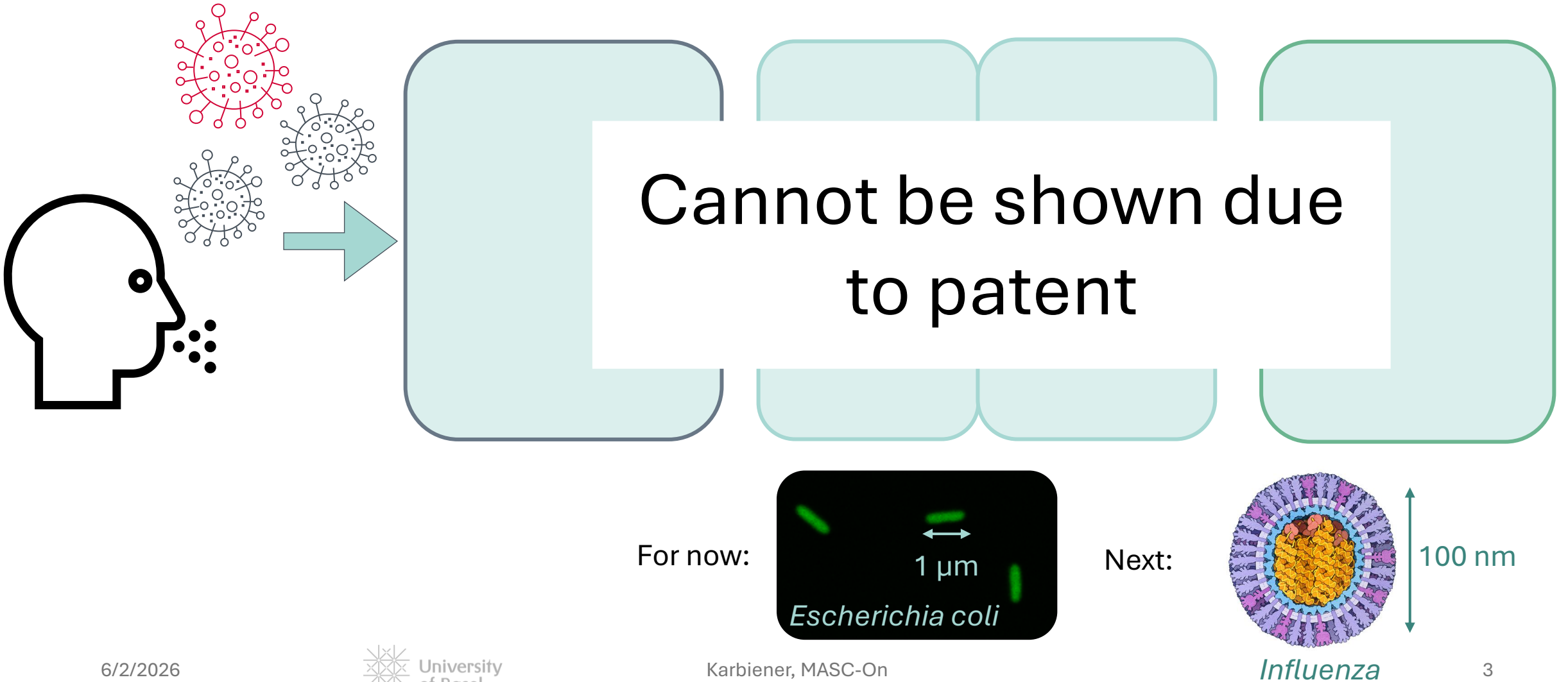
Motivation



- After *Sars-CoV-2* – the next pandemic is coming
- How do we measure pathogens in the air?
- Needs to be...



MASC-On Overview



Methods Detection

Cannot be shown due
to patent

Results Detection

Cannot be shown due
to patent

Methods Selection

Cannot be shown due
to patent

Results Selection

Cannot be shown due
to patent

Methods Collection

Cannot be shown due
to patent

Methods Collection

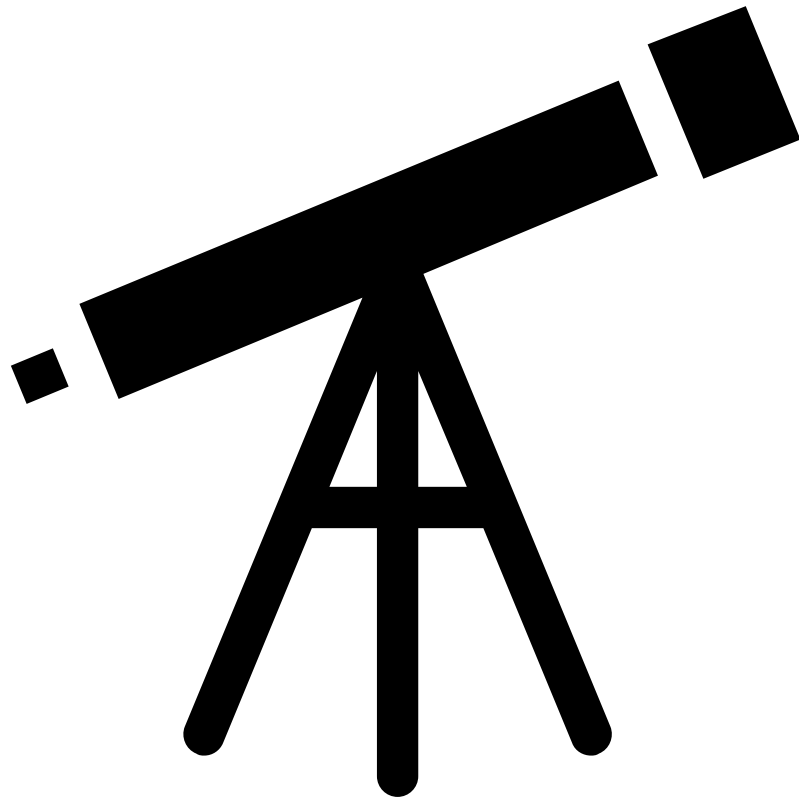
Cannot be shown due
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Results Collection

Cannot be shown due
to patent

Results Collection

Cannot be shown due
to patent



Outlook

Cannot be shown due
to patent

- Swiss TPH: antibodies for Influenza
- FHNW: air sampler (100 Lpm)

Swiss TPH

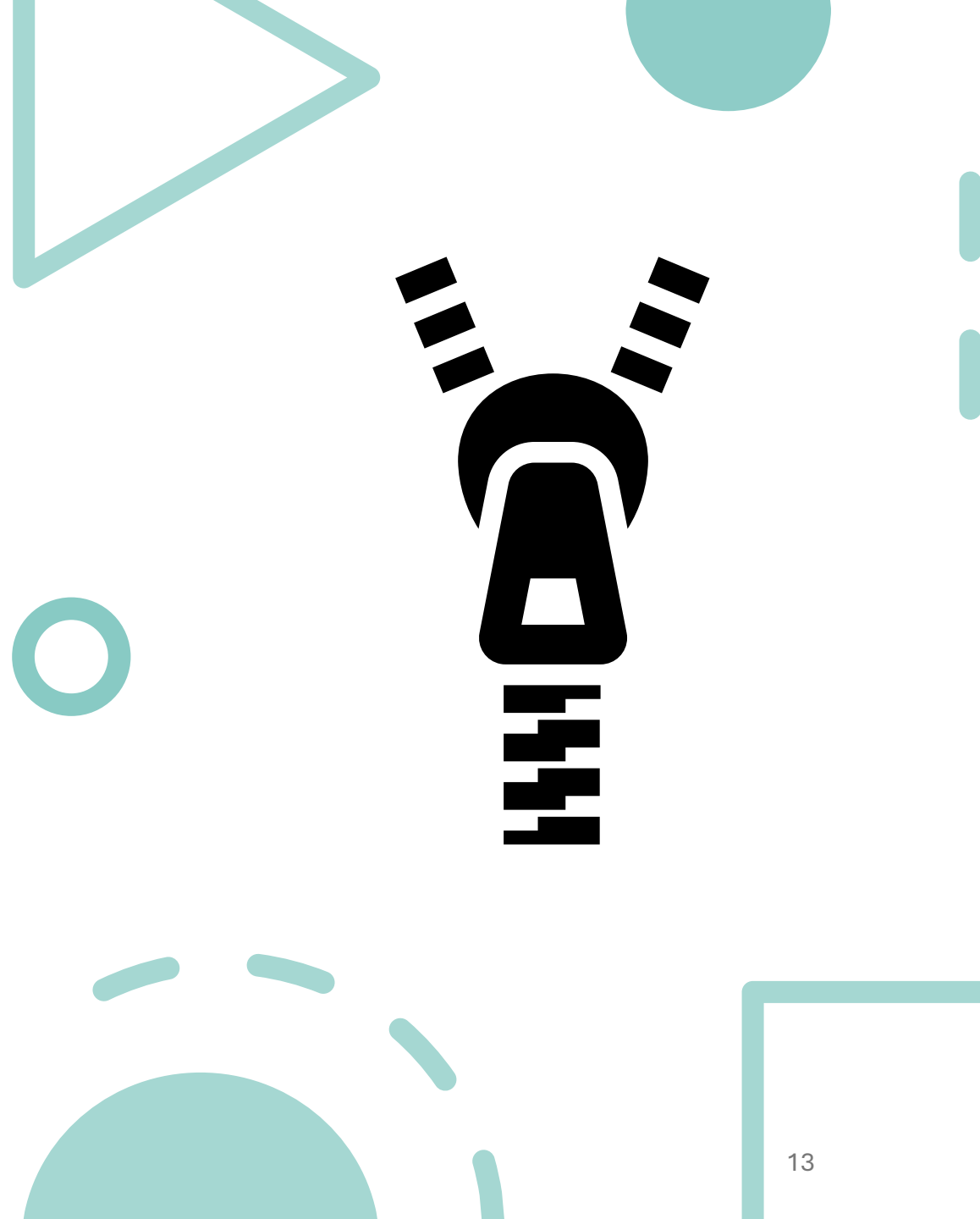


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Summary

- MASC-On as promising method for automated pathogen detection

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to patent



Thank you!

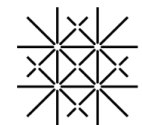
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Collaborators



Swiss TPH



University
of Basel

