

# Fluids & Health 2026: Viral Respiratory Disease Transmission through the Air

1 - 5 June 2026, Leiden, the Netherlands @[lambda](#)

## Topics

- Mechanisms and stages of viral respiratory disease transmission
- Measurement & technological bottlenecks:  
Clinical, field, and laboratory challenges
- Generation of respiratory virus-laden microdroplets
- Fragmentation, rheology, multiphase turbulent flows
- Respiratory virus airborne transport, sampling, and viability
- Fluid-organism interactions and soft matter
- Deposition and infection in new hosts

## Scientific Organizers

- L. Bourouiba, Massachusetts Institute of Technology
- R. Fouchier, Erasmus Medical Center
- S. Herfst, Erasmus Medical Center
- H. Gelderblom, Eindhoven University of Technology
- M. Abkarian, University of Montpellier

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