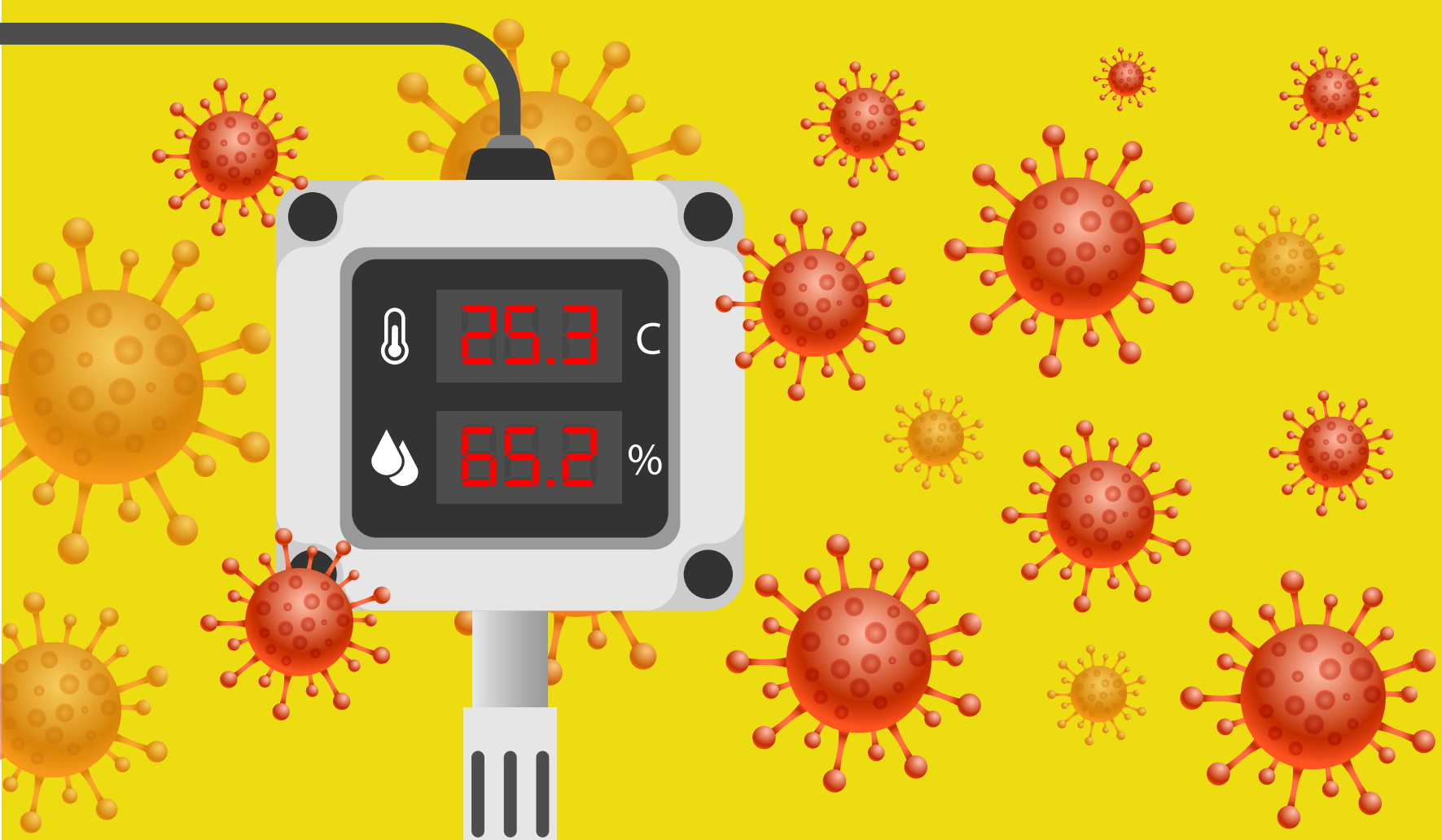


Influence of Weather Conditions and Aerosol Properties on COVID-19 Contamination Rates

Environmental
Science:
Atmospheres

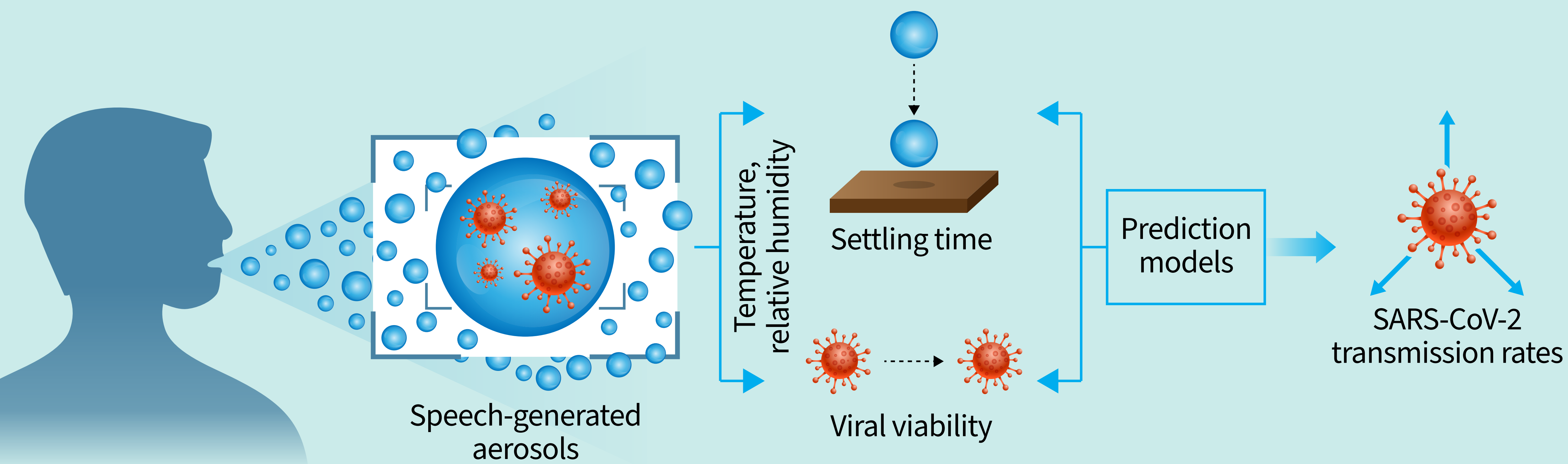


Weather conditions have been widely considered a possible contributor to SARS-CoV-2 transmission in COVID-19

However, the lack of first principles study has led to a poor understanding of weather-related transmissions



A first-principle model for predicting SARS-CoV-2 transmission based on weather-induced changes in the properties of speech-generated aerosols



The predictive ability of weather-influenced aerosol variables validates indirect airborne transmission as an important mechanism for SARS-CoV-2 spread