

# Emerging viral threats in a globalized society: molecular, epidemiological, clinical and social aspects of emerging viral diseases

One-week interdisciplinary online course on emerging viral infectious diseases.

This online course includes lectures on SARS-CoV-2, mammalian-borne emerging viruses and arboviruses, coupled with practical sessions on the analysis of genomic and meta-genomic data through state-of-the-art bioinformatic approaches. A session on scientific communication with David Quammen (author of spillover) will conclude the course.

Lecturers include world-wide experts in vaccines development as Andrea Carfi, (Moderna) and Claudia Sala (Fondazione Toscana Life Sciences), clinicians as Fausto Baldanti (University of Pavia), epidemiologists as Giovanni Rezza (General Director of Prevention of the Italian Ministry of Health), vector biologists as Andrea Cristanti (University of Padova) and a representative of World Health Organization, Dr. Gyanendra Gongal, among many others. Check the speakers list at <https://isags-pavia.unipv.it/virology/speakers/>.

**Course Organizers:** University of Pavia  
Fausto Baldanti, Giovanni Maga, Davide Sassera

## Target group

This school is proposed for PhD students and early-stage researchers in microbiology, epidemiology, bioinformatics and public health policies. Basic biological knowledge is required.

## Course Aim

The course aims at providing an inter-sectorial overview of the rising problem of emerging viral infectious diseases, from genomics to clinical aspects, from social and demographic drivers to control strategies against emerging viral threats. Exercises with real data and a session on scientific communication round up a multidisciplinary program aimed at providing the attendees with multiple sets of theoretical and technical skills.

**When/Where:** 30 total hours on Sept. 6-10, 2021, Online on Zoom

**Language:** English

**Fee:** 100 euros  
50% discount for PhD students from developing countries

**More information at:** <https://isags-pavia.unipv.it/virology/>

