IVBM 2020 has been postponed to 08-09 October 2020.

We are happy to announce that the International Virus Bioinformatics Meeting 2020 has been rescheduled to 8-9 October 2020. The venue remains the same: Eventforum, Fabrikstrasse 12, Bern, Switzerland. Most of the speakers have already approved the new date. Registrations remain valid. Please cancel your registration at some point, if you cannot make it to the meeting.

Further, the submission deadline of the special issue “Virus Bioinformatics 2020” in Viruses has been extended to 31 October 2020.

Recent Selected Publications on SARS-CoV-2 by EVBC Members


SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and is Blocked by a Clinically Proven Protease Inhibitor. Cell 10.1016/j.cell.2020.02.052


A Sequence Homology and Bioinformatic Approach Can Predict Candidate Targets for Immune Responses to SARS-CoV-2. Cell Host Microbe 10.1016/j.chom.2020.03.002

Crystal structure of SARS-CoV-2 main protease provides a basis for design of improved α-ketoamide inhibitors. Science 10.1126/science.abb3405

Full-genome evolutionary analysis of the novel corona virus (2019-nCoV) rejects the hypothesis of emergence as a result of a recent recombination event. Infect Genet Evol 10.1016/j.meegid.2020.104212

Preprints

LY6E impairs coronavirus fusion and confers immune control of viral disease. bioRxiv 10.1101/2020.03.05.979260

Clinical presentation and virological assessment of hospitalized cases of coronavirus disease 2019 in a travel-associated transmission cluster. medRxiv 10.1101/2020.03.05.20030502

Comparative Pathogenesis Of COVID-19, MERS And SARS In A Non-Human Primate Model. bioRxiv 10.1101/2020.03.17.995639

Efficient inactivation of SARS-CoV-2 by WHO-recommended hand rub formulations and alcohols. bioRxiv 10.1101/2020.03.10.986711

SARS-CoV-2 specific antibody responses in COVID-19 patients. medRxiv 10.1101/2020.03.18.20038059

A prospect on the use of antiviral drugs to control local outbreaks of COVID-19. medRxiv 10.1101/2020.03.19.20038182

SARS-CoV-2 launches a unique transcriptional signature from in vitro, ex vivo, and in vivo systems. bioRxiv 10.1101/2020.03.24.004655

SARS-CoV-2 asymptomatic and symptomatic patients and risk for transfusion transmission. medRxiv 10.1101/2020.03.29.20039529

For more frequent updates on publications, please follow us on Twitter @EVirusBioinfC or check our publications website.

News and Announcements

Database and analysis resource for COVID-19: Iman Almansour is looking for a cooperation partner to establish a comprehensive bioinformatics database and analysis resource for COVID-19, including complete sequences retrieval and curation of SARS-CoV-2, user-friendly search interfaces, several analytic tools (alignment, phylogeny) and download of sequences and analysis results.

For more details, please contact Iman Almansour: ikAlmansour@iau.edu.sa.

Resource for SARS-CoV-19 genomes: https://4virology.net/organisms/coronaviridae/