

Upcoming Events

EVBC does not endorse any of the listings and is only involved in events marked as **EVBC Events**.

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International Virus Bioinformatics Meeting 2020

05–06 March 2020, Bern, Switzerland

It is our pleasure to invite you to participate in this unique conference focussing on bioinformatics approaches in virology.

Application deadline PhD Travel Award: **12 January 2020**

Submission deadline oral presentation: **15 January 2020**

Viruses 2020 – Novel Concepts in Virology

05–07 February 2020, Barcelona, Spain

This conference will bring together leading virologists from around the world and across the broad field of virology to share results of their recent studies.

Registration deadline: **24 January 2020**

Recent Selected Publications by EVBC Members

A beginner's guide for FMDV quasispecies analysis: sub-consensus variant detection and haplotype reconstruction using next-generation sequencing. *Brief Bioinform* [10.1093/bib/bbz086](#)

Post-exposure prophylaxis with rVSV-ZEBOV following exposure to a patient with Ebola virus disease relapse in the UK: an operational, safety and immunogenicity report. *Clin Infect Dis* [10.1093/cid/ciz1165](#)

Incorporating heterogeneous sampling probabilities in continuous phylogeographic inference - application to H5N1 spread in the Mekong region. *Bioinformatics* [10.1093/bioinformatics/btz882](#)

Distinct rates and patterns of spread of the major HIV-1 subtypes in Central and East Africa. *PLoS Pathog* [10.1371/journal.ppat.1007976](#)

The Host Factor Erlin-1 is Required for Efficient Hepatitis C Virus Infection. *Cells* [10.3390/cells8121555](#)

Evolution of BACON Domain Tandem Repeats in crAssphage and Novel Gut Bacteriophage Lineages. *Viruses* [10.3390/v11121085](#)

Re-assessing the diversity of negative strand RNA viruses in insects. *PLoS Pathog* [10.1371/journal.ppat.1008224](#)

Fluorescent TAP as a Platform for Virus-Induced Degradation of the Antigenic Peptide Transporter. *Cells* [10.3390/cells8121590](#)

Evolutionary classification of CRISPR-Cas systems: a burst of class 2 and derived variants *Nat Rev Microbiol* [10.1038/s41579-019-0299-x](#)

Viral Fitness Landscapes in Diverse Host Species Reveal Multiple Evolutionary Lines for the NS1 Gene of Influenza A Viruses. *Cell Rep* [10.1016/j.celrep.2019.11.070](#)

Bat-Borne Influenza A Viruses: An Awakening. *Cold Spring Harb Perspect Med* [10.1101/cshperspect.a038612](#)

The COMPARE Data Hubs. *Database (Oxford)* [10.1093/database/baz136](#)

Preprints

The history of measles: from a 1912 genome to an antique origin. *bioRxiv* [10.1101/2019.12.29.889667](#)

Direct RNA sequencing reveals m6A modifications on adenovirus RNA are necessary for efficient splicing. *bioRxiv* [10.1101/865485](#)

Inclusion of Oxford Nanopore long reads improves all microbial and phage metagenome-assembled genomes from a complex aquifer system. *bioRxiv* [10.1101/2019.12.18.880807](#)

Evolutionary stasis of an RNA virus indicates arbovirus re-emergence triggered by accidental release. *bioRxiv* [2019.12.11.872705](#)

Special Issue Virus Bioinformatics 2020

Rapid, Unbiased PRRSV Strain Detection Using MinION Direct RNA Sequencing and Bioinformatics Tools. *Viruses* [10.3390/v11121132](#)

We are happy to announce your research in our newsletter. Send your publications to evbc@uni-jena.de.

News and Announcements

Binomial nomenclature for virus species: a consultation. The ICTV recognizes the need for a standardized nomenclature for virus species but also understands that adopting a binomial system would have major practical consequences. The ICTV invites comments from the virology community before making any decisions to change the existing nomenclature. The Executive Committee will take account of these comments in deciding whether to approve a standardized binomial system at its next meeting in October 2020. [10.1007/s00705-019-04477-6](#)

Special Issue “The Quest for Conserved RNAs in Viral Genomes” in Genes (MDPI). The special issues is guest edited by EVBC member Michael T. Wolfinger. Papers maybe submitted immediately or at any point until 31 December 2020.

