

Upcoming Events

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

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RECOMB 2020

10–13 May 2020, Padova, Italy

Algorithmic computational biology conference bridging the areas of computational, mathematical, statistical and biological sciences.

Deadline for poster submissions: **03 February 2020**

Deadline for travel fellowship application **27 February 2020**

BIOS Course: Digital Skills on Computational Biology for Health Professionals

Starting 03 February 2020, web-based

Expand your competences in the field of bioinformatics and benefit from a virtual learning community consisting of physicians, bioinformaticians, scientists, lecturers and political decision makers.

Recent Selected Publications by EVBC Members

Robust hepatitis E virus infection and transcriptional response in human hepatocytes. *Proc Natl Acad Sci USA* [10.1073/pnas.1912307117](#)

Recombination Events and Conserved Nature of Receptor Binding Motifs in Coxsackievirus A9 Isolates. *Viruses* [10.3390/v12010068](#)

Virus-Like Particles and Nanoparticles for Vaccine Development against HCMV. *Viruses* [10.3390/v12010035](#)

Zoonotic spillover infections with Borna disease virus 1 leading to fatal human encephalitis, 1999-2019: an epidemiological investigation. *Lancet Infect Dis* [10.1016/S1473-3099\(19\)30546-8](#)

Quantifying HIV transmission flow between high-prevalence hotspots and surrounding communities: a population-based study in Rakai, Uganda. *Lancet HIV* [10.1016/S2352-3018\(19\)30378-9](#)

Symptom evolution following the emergence of maize streak virus. *eLife* [10.7554/eLife.51984](#)

Herpes simplex virus blocks host transcription termination via the bimodal activities of ICP27. *Nat Commun* [10.1038/s41467-019-14109-x](#)

Virulent coliphages in 1-year-old children fecal samples are fewer, but more infectious than temperate coliphages. *Nat Commun* [10.1038/s41467-019-14042-z](#)

Virus Metagenomics in Farm Animals: A Systematic Review. *Viruses* [10.3390/v12010107](#)

Polymorphisms in dipeptidyl peptidase 4 reduce host cell entry of Middle East respiratory syndrome coronavirus. *Emerg Microbes Infect* [10.1080/22221751.2020.1713705](#)

Preprints

Viral Sequence Identification in Metagenomes using Natural Language Processing Techniques. *bioRxiv* [10.1101/2020.01.10.892158](#)

Increased resolution of African Swine Fever Virus genome patterns based on profile HMM protein domains. *bioRxiv* [10.1101/2020.01.12.903104](#)

Improved multi-type birth-death phylodynamic inference in BEAST 2. *bioRxiv* [10.1101/2020.01.06.895532](#)

In addition, we would like to draw your attention to the following (non-member) database publications:

MMRdb: Measles, Mumps, And Rubella Viruses Database and Analysis Resource. *Infect Genet Evol* [10.1016/j.meegid.2019.103982](#) (including experimentally verified B cells and T cells antigenic epitopes data)

IRAM: virus capsid database and analysis resource. *Database* [10.1093/database/baz079](#)

OrthoDB v10: sampling the diversity of animal, plant, fungal, protist, bacterial and viral genomes for evolutionary and functional annotations of orthologs. *Nucleic Acids Res* [10.1093/nar/gky1053](#)

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

News and Announcements

Special section 'Bioinformatics embedded in epidemic research' within Current Opinion in Virology

Submission deadline: **August 2020**

Vacancies

Principal investigator and head of Bioinformatics Core Facility at Robert Koch Institute. The RKI is Germany's national public health institute and pursues research on human and zoonotic diseases within Germany and internationally. As the head of the bioinformatics core facility you are conceptualizing and executing state of art methods and pipelines that make a real difference in public health.

Application submission via [Interamt](#).

Application deadline: **09 February 2020**

