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Recent Selected Publications by EVBC Members

Bias of library preparation for virome characterization in untreated and treated wastewaters. *Sci Total Environ* [10.1016/j.scitotenv.2020.144589](https://doi.org/10.1016/j.scitotenv.2020.144589)

At Least Seven Distinct Rotavirus Genotype Constellations in Bats with Evidence of Reassortment and Zoonotic Transmissions. *mBio* [10.1128/mBio.02755-20](https://doi.org/10.1128/mBio.02755-20)

Modeling intra-mosquito dynamics of Zika virus and its dose-dependence confirms the low epidemic potential of *Aedes albopictus*. *PLoS Pathog* [10.1371/journal.ppat.1009068](https://doi.org/10.1371/journal.ppat.1009068)

Determinants of dengue virus dispersal in the Americas. *Virus Evol* [10.1093/ve/veaa074](https://doi.org/10.1093/ve/veaa074)

V-pipe: a computational pipeline for assessing viral genetic diversity from high-throughput data. Now published in *Bioinformatics* [10.1093/bioinformatics/btab015](https://doi.org/10.1093/bioinformatics/btab015)

Population genomics in the arboviral vector *Aedes aegypti* reveals the genomic architecture and evolution of endogenous viral elements. *Mol Ecol* [10.1111/mec.15798](https://doi.org/10.1111/mec.15798)

First detection of bat-borne Issyk-Kul virus in Europe. *Sci Rep* [10.1038/s41598-020-79468-8](https://doi.org/10.1038/s41598-020-79468-8)

Genetic and antigenic characterization of wild type rubella viruses isolated from India. *Vaccine* [10.1016/j.vaccine.2020.12.063](https://doi.org/10.1016/j.vaccine.2020.12.063)

De novo synthesis of hepatitis B virus nucleocapsids is dispensable for the maintenance and transcriptional regulation of cccDNA. *JEHP Rep* [10.1016/j.jhepr.2020.100195](https://doi.org/10.1016/j.jhepr.2020.100195)

Preprints

Quantifying and cataloguing unknown sequences within human microbiomes. *bioRxiv* [10.1101/2021.01.22.427751](https://doi.org/10.1101/2021.01.22.427751)

 [EVBC publications website](#)

Vacancies

Scientific Director of the Centre for Artificial Intelligence – Public Health Research at RKI

The Robert Koch Institute is looking for a scientific director as head of the newly-established Centre for Artificial Intelligence – Public Health Research (ZKI-PH). The ZKI-PH aims to provide cutting-edge, evidence-based public health research and relies on state-of-the-art, data-based technologies in its work. Application deadline: **07 February 2021**

Bioinformatics Research Assistant at University Hospital Cologne

Research on bioinformatics methods for processing and analyzing comprehensive genomic and clinical datasets (viral and bacterial infections) Support of porting the geno2pheno server from Saarbrücken to the University of Cologne and advancing the respective methods and software. Application deadline: **07 February 2021**

PhD project offered by the IMPRS-gBGC

(How) do microorganisms control the natural molecular complexity of dissolved organic matter? The successful candidate will conduct experiments on the microbial processing of natural substrates with gradients in the complexity of dissolved organic matter and microbial communities, from single compounds and single organisms to community-level decomposition of complex natural substrates. Application deadline: **28 February 2021**

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Upcoming Events

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

Successful writing of bioinformatics grant proposals

16 March 2021

online

The seminar is targeted at postdocs and junior group leaders. PhD students in their final year may benefit if they are in the process of writing a proposal at the time of this seminar.

VIZBI 2021

24–26 March 2021

online

11th international meeting on Visualizing Biological Data featuring talks showcasing visualizations transforming how life scientists view data, and driving key advances in molecular biology, systems biology, biomedical science, and ecology.

Registration deadline:

01 March 2021

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