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## Selected Publications by EVBC Members

Rare variant MX1 alleles increase human susceptibility to zoonotic H7N9 influenza virus. *Science* [10.1126/science.abg5953](https://doi.org/10.1126/science.abg5953)

Tracing the fate of wastewater viruses reveals catchment-scale virome diversity and connectivity. *Water Res* [10.1016/j.watres.2021.117568](https://doi.org/10.1016/j.watres.2021.117568)

Virus-associated organosulfur metabolism in human and environmental systems. *Cell Rep* [10.1016/j.celrep.2021.109471](https://doi.org/10.1016/j.celrep.2021.109471)

Ancient viral genomes reveal introduction of human pathogenic viruses into Mexico during the transatlantic slave trade. *eLife* [10.7554/eLife.68612](https://doi.org/10.7554/eLife.68612)

Mathematical Modelling of the Molecular Mechanisms of Interaction of Tenofovir with Emtricitabine against HIV. *Viruses* [10.3390/v13071354](https://doi.org/10.3390/v13071354)

Phylogenetic Analysis of Massilia phlebovirus in Portugal. *Viruses* [10.3390/v13071412](https://doi.org/10.3390/v13071412)

ICTV Virus Taxonomy Profile: Arteriviridae 2021. *J Gen Virol* [10.1099/jgv.0.001632](https://doi.org/10.1099/jgv.0.001632)

Differences in Gut Virome Related to Barrett Esophagus and Esophageal Adenocarcinoma. *Microorganisms* [10.3390/microorganisms9081701](https://doi.org/10.3390/microorganisms9081701)

A resampling strategy for studying robustness in virus detection pipelines. *Comput Biol Chem* [10.1016/j.compbiolchem.2021.107555](https://doi.org/10.1016/j.compbiolchem.2021.107555)

A proposed division of the family Picornaviridae into subfamilies based on phylogenetic relationships and functional genomic organization. *Arch Virol* [10.1007/s00705-021-05178-9](https://doi.org/10.1007/s00705-021-05178-9)

Bacterial Viruses Subcommittee and Archaeal Viruses Subcommittee of the ICTV: update of taxonomy changes in 2021. *Arch Virol* [10.1007/s00705-021-05205-9](https://doi.org/10.1007/s00705-021-05205-9)

PHROG: families of prokaryotic virus proteins clustered using remote homology. *NAR Genom Bioinf* [10.1093/nargab/lqab067](https://doi.org/10.1093/nargab/lqab067)

### Reviews / Commentaries / Editorials

The AI-ME registry for artificial intelligence in biomedical research. *Nat Methods* [10.1038/s41592-021-01241-0](https://doi.org/10.1038/s41592-021-01241-0)

Phage Diversity in the Human Gut Microbiome: a Taxonomist's Perspective. *mSystems* [10.1128/mSystems.00799-21](https://doi.org/10.1128/mSystems.00799-21)

Rotaviruses and Rotavirus Vaccines. *Pathogens* [10.3390/pathogens10080959](https://doi.org/10.3390/pathogens10080959)

On the Use of Phylogeographic Inference to Infer the Dispersal History of Rabies Virus: A Review Study. *Viruses* [10.3390/v13081628](https://doi.org/10.3390/v13081628)

Varicella-Zoster Virus-Genetics, Molecular Evolution and Recombination. *Curr Top Microbiol Immunol* [10.1007/82\\_2021\\_238](https://doi.org/10.1007/82_2021_238)

Hepatitis B Virus DNA Integration, Chronic Infections and Hepatocellular Carcinoma. *Microorganisms* [10.3390/microorganisms9081787](https://doi.org/10.3390/microorganisms9081787)

A great ape perspective on the origins and evolution of human viruses. *Adv Virus Res* [10.1016/bs.aivir.2021.06.001](https://doi.org/10.1016/bs.aivir.2021.06.001)

Alphaviruses: Host pathogenesis, immune response, and vaccine & treatment updates. *J Gen Virol* [10.1099/jgv.0.001644](https://doi.org/10.1099/jgv.0.001644)

### Preprints

A signaling pathway-driven bioinformatics pipeline for predicting therapeutics against emerging infectious diseases. *F1000Research* [10.12688/f1000research.52412.2](https://doi.org/10.12688/f1000research.52412.2)

 [EVBC publications website](https://www.evbc-jena.de/publications)

## Tools and Resources

**Pathway2Targets:** predicting therapeutics against emerging infectious diseases.

**PHROG:** library of viral protein families.

 [Virus tools website](https://www.virus-tools.org)


## Vacancies

Ohio State University's Microbiology department is hiring a **tenure-track faculty at the Assistant Professor level in any area of microbiology**.

Application deadline: **15 September 2021**

 [Find a job](https://www.osu.edu/microbiology)

## ViBioM 2022

Registration for ViBioM 2022 in Valencia is now open for EVBC members. Regular registration (for non-members) will open 01 October.  [Register](https://www.vibiom2022.com)

We are happy to announce an amazing lineup of keynote speakers: Evelien Adriaenssens | Francois Balloux | Emma Hodcroft | Philippe Lemey | Andrew Rambaut | Matt Sullivan | Friedemann Weber

Abstract submission and application for PhD Travel Award will open on 01 October.  [Submit](https://www.vibiom2022.com)