

Recent Selected Publications by EVBC Members

Relatives of rubella virus in diverse mammals. *Nature* [10.1038/s41586-020-2812-9](#)

Entamoeba and Giardia parasites implicated as hosts of CRESS viruses. *Nat Commun* [10.1038/s41467-020-18474-w](#)

Laser spectroscopic technique for direct identification of a single virus I: FASTER CARS. *Proc Natl Acad Sci USA* [10.1073/pnas.2013169117](#)

Decoding the Architecture of the Varicella-Zoster Virus Transcriptome. Now published in *mBio* [10.1128/mBio.01568-20](#)

Stability of the Virome in Lab- and Field-Collected *Aedes albopictus* Mosquitoes across Different Developmental Stages and Possible Core Viruses in the Publicly Available Virome Data of *Aedes* Mosquitoes. *mSystems* [10.1128/mSystems.00640-20](#)

Automated download and clean-up of family specific databases for kmer-based virus identification. *Bioinformatics* [10.1093/bioinformatics/btaa857](#)

Comparison of Nucleic Acid Extraction Methods for a Viral Metagenomics Analysis of Respiratory Viruses. *Microorganisms* [10.3390/microorganisms8101539](#)

The genome segments of Bluetongue virus differ in copy number in a host-specific manner. *J Virol* [10.1128/JVI.01834-20](#)

From Orphan Phage to a Proposed New Family-the Diversity of N4-Like Viruses. *Antibiotics* [10.3390/antibiotics9100663](#)

Viral Variant Visualizer (VVV): A novel bioinformatic tool for rapid and simple visualization of viral genetic diversity. *Virus Res* [10.1016/j.virusres.2020.198201](#)

Reviews

Influenza A Viruses: Understanding Human Host Determinants. *Trends Mol Med* [10.1016/j.molmed.2020.09.014](#)

Effect of antiviral therapy on the outcomes of mechanically ventilated patients with herpes simplex virus detected in the respiratory tract: a systematic review and meta-analysis. *Crit Care* [10.1186/s13054-020-03296-5](#)

Hepatitis E Virus Infection: Circulation, Molecular Epidemiology, and Impact on Global Health. *Pathogens* [10.3390/pathogens9100856](#)

Perspective on Proteomics for Virus Detection in Clinical Samples. *J Proteome Res* [10.1021/acs.jproteome.0c00674](#)

For more frequent updates on publications, please follow us on Twitter [@EVirusBioinfC](#) or check our [publications website](#).

Tools and Resources

We are curating a list of [useful tools in virus bioinformatics](#). Please let us know about the tools you have developed to advance the field.

- **DONE (Downloading NCBI GenBank Entries)**: automated pipeline for downloading GenBank entries and continuous updating of a local sequence database based on user-specified queries.
- **Viral Variant Visualizer (VVV)**: pipeline to analyse viral populations in a given sample from Next Generation Sequencing data.

Newly funded projects

We would be pleased to announce your newly funded projects/successful grants in our newsletter and to list them on our [website](#) in order to draw the attention of the EVBC community to your research. Send us an email to evbc@uni-jena.de. Already ongoing projects are welcome, too!

New Board and New Members

We are happy to announce that all IVBM 2020 speakers have been invited for EVBC membership. We welcome our new members:

- **Georgia M. Cook**, University of Cambridge, United Kingdom
- **Cormac Kinsella**, University of Amsterdam, Netherlands
- **Mike Marquet**, Jena University Hospital, Germany
- **Irmtraud M. Meyer**, MDC for Molecular Medicine, Germany
- **David F. Nieuwenhuijse**, Erasmus Medical Centre, Netherlands
- **Sofia Paraskevopoulou**, Charité Berlin, Germany
- **Pauline Dianne Santos**, Friedrich Löffler Institute, Germany
- **Olivier D. Zablocki**, The Ohio State University, USA

Board of Directors. We say thank you and goodbye to **Massimo Palmarini**, who decided to leave the board, and welcome to **Bas E. Dutilh**, who has been newly elected. Also, thank you to **Martin Beer**, **Li Deng**, **Philippe Lemercier**, **Manja Marz**, and **Volker Thiel** for continuing their contribution as board members for another three years.

Upcoming Events

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

[Subscribe to EVBC Event Calendar](#) 📅

SIB in silico talk: An improved view of influenza evolution with CoalRe [online | free of charge](#)

A framework (and BEAST2 add-on) for phylogenetic inference on viral reassortment networks, including a tutorial on how to use CoalRe.

Virtual Nanopore Day, Australia: Bioinformatics 18 November 2020 [online | free of charge](#)

Latest tech updates for Oxford Nanopore Technologies as well as talks from local scientists about their latest work using nanopore technology.

News and Announcements

Special Issue “Virus Bioinformatics 2020”. Deadline extended until 30 November. EVBC members get a 15% discount.

News related to SARS-CoV-2 are covered in our Special Issue Newsletter.