



## Upcoming Events

- ❑ **International Virology and Infectious Diseases Congress**  
27<sup>th</sup> – 28<sup>th</sup> July 2018 in Vancouver, Canada.  
**Reminder**, details at <https://virology-infection.conferenceseries.com>  
Manja Marz is a keynote speaker and will introduce the EVBC
- ❑ **Virus Genomics and Evolution conference**  
18<sup>th</sup>-20<sup>th</sup> June 2018 in Cambridge, UK  
This meeting will bring together international participants working in diagnostic and public health, who are generating data from clinical samples, with evolutionary biologists and bioinformaticians, who are developing methods and models to interrogate the genomic data.  
**Reminder**, details at <https://coursesandconferences.wellcomegenomecampus.org/events/item.aspx?e=693>
- ❑ **Virus Genome Evolution Symposium of the Society for Molecular Biology & Evolution (SMBE)**  
8<sup>th</sup>-12<sup>th</sup> July 2018 in Yokohama, Japan.  
Viruses exhibit a unique parasitic situation that shapes the evolution of their genomes. The use of genomic approaches has transformed the field of virology. This symposium will highlight recent advances on virus genome evolution and will bring together different approaches on prokaryotic and eukaryotic virus evolution; how these viruses originated, diversified, and spread, how they change and adapt, and how they co-evolve with their hosts.  
Organized by Anne Kupczok (evbc member), Marina Escalera Zamudio, Richard Goldstein  
**Reminder**, details at <http://smb2018.jp>

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## Recent Selected Publications by EVBC Members

- Rates of Mutation and Recombination in Siphoviridae Phage Genome Evolution over Three Decades, *Mol Biol Evol*, **PMID: 29688542**
- A Viral Suppressor Modulates the Plant Immune Response Early in Infection by Regulating MicroRNA Activity, *MBio*, **PMID: 29691336**
- geno2pheno[ngs-freq]: a genotypic interpretation system for identifying viral drug resistance using next-generation sequencing data, *Nucleic Acids Res*, **PMID: 29718426**
- APOBEC3-mediated restriction of RNA virus replication, *Sci Rep*, **PMID: 29654310**
- Reconstruction of a replication-competent ancestral murine endogenous retrovirus-L, *Retrovirology*, **PMID: 29716624**

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## News and Announcements

- ❑ Our EVBC conference report is available online at *Viruses* <http://www.mdpi.com/1999-4915/10/5/256>

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## Tools (see <http://evbc.uni-jena.de/tools>)

**VICTOR** is a web service compares bacterial and archaeal viruses using their genome or proteome sequences. The results include phylogenomic trees inferred using the Genome-BLAST Distance Phylogeny method (GBDP), with branch support, as well as suggestions for the classification at the species, genus, subfamily and family level.

