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### Selected Publications on SARS-CoV-2 by EVBC Members

Untimely production of TGF $\beta$  is a hallmark of severe COVID-19 and may inhibit natural killer cell function and early virus control. (Nature: [10.1038/s41586-021-04142-6](https://doi.org/10.1038/s41586-021-04142-6))

A common splice-acceptor single-nucleotide polymorphism governs whether patients express OAS1 isoforms potentially inhibiting SARS-CoV-2 or nonprenylated OAS1 that does not efficiently detect SARS-CoV-2. (Science: [10.1126/science.abj3624](https://doi.org/10.1126/science.abj3624))

Non-infectious spike-deleted SARS-CoV-2 self-replicating RNAs represent a convenient and versatile platform for basic SARS-CoV-2 studies in lower containment settings. (Science: [10.1126/science.abj8430](https://doi.org/10.1126/science.abj8430))

Africa must not be left behind in the global pandemic response, otherwise it could become a source for new variants. (Science: [10.1126/science.abj4336](https://doi.org/10.1126/science.abj4336))

Camelid-derived single domain antibody XVR011 is a stable anti-COVID-19 biologic, currently being evaluated in the clinic. (Sci Transl Med: [10.1126/scitranslmed.abi7826](https://doi.org/10.1126/scitranslmed.abi7826))

SARS-CoV-2 lineage B.1.620 discovered in Lithuania carrying many mutations and deletions in the spike protein shared with widespread variants of concern. (Nat Commun: [10.1038/s41467-021-26055-8](https://doi.org/10.1038/s41467-021-26055-8))

GlnPipe, that reconstructs SARS-CoV-2 incidence profiles solely from publicly available, time-stamped viral genomes, revealed underreporting in Europe during summer 2020. (Nat Commun: [10.1038/s41467-021-26267-y](https://doi.org/10.1038/s41467-021-26267-y))

P5C3 is a highly potent and broadly neutralizing monoclonal antibody with picomolar neutralizing activity against all SARS-CoV-2 variants of concern identified to date. (Cell Rep: [10.1016/j.celrep.2021.109814](https://doi.org/10.1016/j.celrep.2021.109814))

Better early control of inflammation as observed in children may be key for rapidly controlling infection and limiting the disease course. (Cell Rep: [10.1016/j.celrep.2021.109773](https://doi.org/10.1016/j.celrep.2021.109773))

RNA load in raw wastewater is a leading indicator of positive COVID-19 cases, new hospitalization and admission into ICUs by 5, 8 and 9 days, respectively. (Sci Total Environ: [10.1016/j.scitotenv.2021.150151](https://doi.org/10.1016/j.scitotenv.2021.150151))

Human endogenous retrovirus expression might play a pathophysiological role in local inflammatory pathways in lungs afflicted by SARS-CoV-2 and their expression could be a potential therapeutic target. (Microbiol Spectr: [10.1128/Spectrum.01260-21](https://doi.org/10.1128/Spectrum.01260-21))

Nosocomial outbreak caused by the SARS-CoV-2 Delta variant in a highly vaccinated population, raising a question about possible waning immunity. (Euro Surveill: [10.2807/1560-7917.ES.2021.26.39.2100822](https://doi.org/10.2807/1560-7917.ES.2021.26.39.2100822))

Very potent small interfering RNA with a broad activity against various SARS-CoV viruses represents a promising candidate for the development of new treatment options. (Viruses: [10.3390/v13102030](https://doi.org/10.3390/v13102030))

Tracking website hosts a daily report of the international spread of lineages of concern using the software tool grinch. (Wellcome Open Res: [10.12688/wellcomeopenres.16661.2](https://doi.org/10.12688/wellcomeopenres.16661.2))

#### Preprints

Proportion of children who seroconverted to SARS-CoV-2 was half that in adults despite similar viral load. (medRxiv: [10.1101/2021.10.17.21265121](https://doi.org/10.1101/2021.10.17.21265121))

 [EVBC publications on SARS-CoV-2 on Pubmed](#)

### Upcoming Events

EVBC does not endorse any of the listings. EVBC members are involved in events marked .

**SARS-CoV-2 – Two Years On: Science Meets the Challenge** 10 Dec 2021 | online

Registration deadline: 2 Dec 2021

 David Robertson, University of Glasgow, UK

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### Tools and Resources

**GlnPipe:** SARS-CoV-2 incidence reconstruction.

**grinch:** collates SARS-CoV-2 genomic data and epidemiological metadata to facilitate tracking of lineages of concern.

 [Coronavirus tools website](#)