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

Multilevel proteomics reveals host perturbations by SARS-CoV-2 and SARS-CoV. Now published in *Nature* [10.1038/s41586-021-03493-4](https://doi.org/10.1038/s41586-021-03493-4)

Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. Now published in *Science* [10.1126/science.abh2644](https://doi.org/10.1126/science.abh2644)

Seroprevalence and correlates of SARS-CoV-2 neutralizing antibodies from a population-based study in Bonn, Germany. *Nat Commun* [10.1038/s41467-021-22351-5](https://doi.org/10.1038/s41467-021-22351-5)

The SARS-unique domain (SUD) of SARS-CoV and SARS-CoV-2 interacts with human Paip1 to enhance viral RNA translation. *EMBO J* [10.15252/embj.2019102277](https://doi.org/10.15252/embj.2019102277)

Early postmortem mapping of SARS-CoV-2 RNA in patients with COVID-19 and the correlation with tissue damage. Now published in *Elife* [10.7554/eLife.60361](https://doi.org/10.7554/eLife.60361)

Disparate temperature-dependent virus-host dynamics for SARS-CoV-2 and SARS-CoV in the human respiratory epithelium. *PLoS Biol* [10.1371/journal.pbio.3001158](https://doi.org/10.1371/journal.pbio.3001158)

Population-Predicted MHC Class II Epitope Presentation of SARS-CoV-2 Structural Proteins Correlates to the Case Fatality Rates of COVID-19 in Different Countries. *Int J Mol Sci* [10.3390/ijms22052630](https://doi.org/10.3390/ijms22052630)

SARS-CoV-2 Proteome-Wide Analysis Revealed Significant Epitope Signatures in COVID-19 Patients. *Front Immunol* [10.3389/fimmu.2021.629185](https://doi.org/10.3389/fimmu.2021.629185)

Genetic epidemiology of SARS-CoV-2 transmission in renal dialysis units - a high risk community-hospital interface. *J Infect* [10.1016/j.jinf.2021.04.020](https://doi.org/10.1016/j.jinf.2021.04.020)

High Efficacy of Saliva in Detecting SARS-CoV-2 by RT-PCR in Adults and Children. *Microorganisms* [10.3390/microorganisms9030642](https://doi.org/10.3390/microorganisms9030642)

SARS-CoV-2 N501Y Introductions and Transmissions in Switzerland from Beginning of October 2020 to February 2021-Implementation of Swiss-Wide Diagnostic Screening and Whole Genome Sequencing. *Microorganisms* [10.3390/microorganisms9040677](https://doi.org/10.3390/microorganisms9040677)

Light Sheet Microscopy-Assisted 3D Analysis of SARS-CoV-2 Infection in the Respiratory Tract of the Ferret Model. *Viruses* [10.3390/v13030529](https://doi.org/10.3390/v13030529)

Amantadine Inhibits SARS-CoV-2 In Vitro. *Viruses* [10.3390/v13040539](https://doi.org/10.3390/v13040539)

SARS-CoV-2 Infection Is Asymptomatic in Nearly Half of Adults with Robust Anti-Spike Protein Receptor-Binding Domain Antibody Response. *Vaccines* [10.3390/vaccines9030207](https://doi.org/10.3390/vaccines9030207)

A novel SARS-CoV-2 IgG line-blot for evaluating discrepant IgG test results - Observations in pre-pandemic and follow-up samples of five patients. *J Microbiol Immunol Infect* [10.1016/j.jmii.2021.03.004](https://doi.org/10.1016/j.jmii.2021.03.004)

Comparison of seven commercial SARS-CoV-2 rapid point-of-care antigen tests: a single-centre laboratory evaluation study. Now published in *Lancet Microbe* [10.1016/S2666-5247\(21\)00056-2](https://doi.org/10.1016/S2666-5247(21)00056-2)

Reviews & Book Chapters

Pathways for Novel Epidemiology: Plant-Pollinator-Pathogen Networks and Global Change. *Trends Ecol Evol* [10.1016/j.tree.2021.03.006](https://doi.org/10.1016/j.tree.2021.03.006)

Phylogeny of Viruses. *Encyclopedia of Virology* [10.1016/B978-0-12-814515-9.00118-1](https://doi.org/10.1016/B978-0-12-814515-9.00118-1)

Preprints

Towards Understanding ChAdOx1 nCov-19 Vaccine-induced Immune Thrombotic Thrombocytopenia (VITT). *Research Square* [10.21203/rs.3.rs-440461/v1](https://doi.org/10.21203/rs.3.rs-440461/v1)

Cross-reactive CD4+ T cells enhance SARS-CoV-2 immune responses upon infection and vaccination. *medRxiv* [10.1101/2021.04.01.21252379](https://doi.org/10.1101/2021.04.01.21252379)

Clinical performance evaluation of SARS-CoV-2 rapid antigen testing in point of care usage in comparison to RT-qPCR. *medRxiv* [10.1101/2021.03.27.21253966](https://doi.org/10.1101/2021.03.27.21253966)

Viability RT-PCR for SARS-CoV-2: a step forward to solve the infectivity quandary. *medRxiv* [10.1101/2021.03.22.21253818](https://doi.org/10.1101/2021.03.22.21253818)

A realistic touch-transfer method reveals low risk of transmission for SARS-CoV-2 by contaminated coins and bank notes. *bioRxiv* [10.1101/2021.04.02.438182](https://doi.org/10.1101/2021.04.02.438182)

A unique SARS-CoV-2 spike protein P681H strain detected in Israel. *medRxiv* [10.1101/2021.03.25.21253908](https://doi.org/10.1101/2021.03.25.21253908)

Severity of SARS-CoV-2 infection as a function of the interferon landscape across the respiratory tract of COVID-19 patients. *bioRxiv* [10.1101/2021.03.30.437173](https://doi.org/10.1101/2021.03.30.437173)

Unique protein features of SARS-CoV-2 relative to other Sarbecoviruses. *bioRxiv* [10.1101/2021.04.06.438675](https://doi.org/10.1101/2021.04.06.438675)

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