

## BBMRI.at success story & publication

### Collaboration of BBMRI.at biobanks and researchers leads to new findings concerning the relevance of sample pre-analytics in SARS-CoV-2 samples

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In a collaboration project between MedUni Wien Biobank, Biobank Graz and researchers from several clinical departments of the Medical Universities of Graz and Vienna, short-term and long-term storage stabilities of SARS-CoV-2 antibodies were evaluated using samples from the Biobank's SARS-CoV-2 cohorts.

Moreover, the authors highlighted the problems with evaluating long-term storage effects, as the evaluation tool (the analytical test itself) also changes over time, which introduces additional analytical imprecision and leads to overestimation of the pre-analytical variability.

The paper was published in the top laboratory journal *Clinical Chemistry and Laboratory Medicine* (impact factor: 8.49):

Niedrist T, Kriegl L, Zurl CJ, Schmidt F, Perkmann-Nagele N, Mucher P, Repl M, Flieder I, Radakovics A, Sieghart D, Radner H, Aletaha D, Binder CJ, Güllly C, Krause R, Herrmann M, Wagner OF, Perkmann T, Haslacher H.

#### Preanalytical stability of SARS-CoV-2 anti-nucleocapsid antibodies.

*Clin Chem Lab Med.* 2022 Nov 4.

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