



The CoVVacBoost Study

A cohort from BBMRI.at partner Medical University of Graz Biobank and part of ATCI



Main news:

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The **CoVVacBoost Study** cohort is a vaccination cohort established at the **Medical University of Graz** with contribution from **BBMRI.at partner Biobank Graz**. It investigated how a third COVID-19 booster vaccination induces **salivary antibodies** and how these responses relate to antibody and cellular responses in blood.

The cohort includes **140 healthy participants**, with blood and saliva collected at three time points before and after booster vaccination. The collection comprises **serum, saliva and PBMC samples**, supporting research into immune responses to COVID-19 vaccination.

Profile of the cohort:

Research Area	COVID-19 vaccination, vaccine-induced immune responses, mRNA vaccines boosters, 3rd dose
Cohort Type	• Human • Prospective • Vaccination Cohort
Cohort Size	• 140 healthy individuals • number of aliquots see below • number of visits: 3 • Visit 1 (before the 3rd booster vaccination): Serology, PBMCs, saliva • Visit 2 (3 – 8 weeks after the 3rd booster vaccination): Serology, PBMCs, saliva • Visit 3: 6 months after the 3rd booster vaccination: Serology, saliva
Donors/ Participants	• Age • Gender • BMI • Health status • Smoking habits

Biological Sample Types (with Storage Condition)	• 1571 serum aliquots (-80°C) • 370 saliva aliquots (-80°C) • 553 PBMC aliquots (~ -150°C in vapour phase of liquid nitrogen)
Associated Data	• Demographics • Vaccination history • Medical history • Allergies • Symptoms • Pregnancy test • Current medication • T cell immunity • Urine-bHCG
Collection Period	2021 - 2022
Informed Consent	Yes Broad biobank informed consent Study specific informed consent
Access	Yes Collaboration preferred
Quality Standards	ISO 9001:2015
Contact	Principle investigator: Prof. Martin Stradner, Prof. Ivo Steinmetz Email address: biobank-pm@medunigraz.at
Publications (Scientific)	--
Media articles	--
Research Projects	--