

# Bio- Bank



**Study Title:** Gestational Route to Healthy Birth (GaRBH Cohort)

**Cohort Director:** Dr. Vipin Gupta

**Funding agency:** Wellcome Trust/DBT, Indian Alliance

GaRBH cohort is a longitudinal pregnancy and birth study of 1000 mother-offspring pairs in Bikaner district, Rajasthan. The cohort was established in 2017 with aim to study the metabolic changes in relation to weight gain during pregnancy and assessing its impact on foetal growth and overall health of the offspring. The baseline data on pregnant women was collected in first trimester and followed in second, third trimesters and at the time of delivery. At each follow-up, structured interview for collecting data related to demographic profile, socio-economic, health and nutritional status were conducted along with biological samples, anthropometric measurements of pregnant women and foetal growth parameters assessed through ultrasounds. We have developed India's most comprehensive bio-bank containing blood samples collected during each trimester along with cord blood, placenta, meconium, breast milk. Data on child health parameters were collected within 24 hours of birth.



**Bio- Bank (Bio-Chemical Lab)**



**Bio- Bank (Public Health & Genomics Lab)**