

## List of Completed Project

Sno.	Name of Project	Name Of PI	Multidisciplinary
1	Study of the effect of Bone Morphogenesis protein and Bone Marrow stem cell in degenerate disc space in an attempt to achieve in situ bone fusion in animal models	Dr Prakash Rao, Neurosurgery	Y
2	Effect of Exercise Anticipation on cardio-Respiratory Coupling	Dr. Aditya, Physiology	Y
3	Effect of pranayama on heart rate variability and expiratory: inspiratory ratio of deep breathing	Dr. G. S. Prema, Physiology	N
4	Estimation of the prevalence of Hyperaldosteronism in Ischemic stroke.	Dr. Thrilok Chander, General Medicine	Y
5	Genetic variations of RAGE (Receptor for Advanced Glycation End products), its expression and its role in Severity of Asthma and COPD	Dr Krishna Murthy, Pulmonology	Y
6	A Study of Hematological Parameters along with CD 4, CD 8, CD 19 and CD16+CD 56 LymphocyteCounts in COVID-19 Positive Patients	Dr Sunethri Padma, Pathology	Y
7	A multigene analysis of gliomas and correlation with histological grading and prognosis	Dr Nagaraju, Neurosurgery	Y
8	Effect of Homocysteine and Methionine on DNA Methylation in High risk pregnancy outcome.	Dr Vineela Rani Biochemistry	Y
9	Role of matrix metalloproteinases in COPD with emphasis on the effect of smoking	Dr Krishna Murthy, Pulmonology	N
10	Evaluation of GRP 78 in COVID Pneumonia associated with Diabetes mellitus	Dr. Jhansi Rani, Biochemistry	Y
11	Development of point of care COVID-19 test using rtLAMP PCR method	Dr. Winnie Thomas Scientist – B, MRU	Y
12	Screening for Cancer Cervix in the 30-60 year age group population attending Gandhi Hospital.	Dr. Madhulatha Alexander, Gynecology	Y
13	Clinical profile and risk factor assessment of deep vein thrombosis	Dr. Thrilok Chander, General Medicine	N
14	Evaluation of Biochemical and Molecular Biomarkers for Early Detection Lupus Nephritis in Systemic lupus erythematosus	Dr. Banuja Rani Biochemistry	N
15	A study of correlation of serum zinc levels in children with febrile convulsions	Dr. Suchitra, Pediatrics	Y

## List of Ongoing Project

Sno.	Name of ongoing Project	Name Of PI	Multidisciplinary
1.	Genetic Basis of Otosclerosis- A pedigree approach for identification of OTSC1, TGF1B and BMP2 polymorphisms	Dr Rathod ENT	N
2.	A prospective study of plasma VEGF levels in Thalassemia Major	Dr. Devojee Pathology	Y
3.	Assessment of Genetic and Biochemical factors to identify Hemolytic anemia of varied aetiology in tertiary care hospital	Dr Praveena Biochemsity	Y
4.	Screening of symptomatic newborns and infants for Inborn Errors of Metabolism at a tertiary care centre. (PILOT STUDY)	Dr Pragna Biochemsity	Y
5.	Changes in podocytes phenotype in the urine of women with pre-eclampsia an institutional study	Dr. Srilatha Pathology	Y
6.	Hemopoietin stem cell of the umbilical cord blood in pre-eclampsia patients and its correlation with fetal outcome	Dr. S Srujana, Pathology	Y
7.	Zinc Thymulin deficiency and role of thrombocytopenia D dimer levels in prognosis of COVID 19 patients	Dr. Devojee, Pathology	Y
8.	Genetic changes in disc degeneration: a comparision with adjacent normal disc in human and induced animal model	Dr Srinivas Neurosurgery	N
9.	The JAK-STAT Pathway: Impact on Gliomas	Dr Srinivas Neurosurgery	N
10.	Impact of socio-demographic characteristics nutritional factors, modifiable risk factors and cardiac markers on outcome among cardiac patients in tertiary care hospital.	Dr. Koteswaramma, SPM	Y
11.	A Study to evaluate the role IL-17, IL-23 in the Severity and Outcome of GBS	Dr Sunil Gen Medicine	N
12.	Evaluation of the Proinflammatory markers as early prediction of severity of Acute Pancreatitis.	Dr Sireesha Gen Medicine	N

13.	Serum IL-6, 8 and TNF- $\alpha$ as Early Biomarkers to Predict Failure of Initial Empiric Antibiotic Therapy in Emergency Midline Laparotomy Patients: A prospective study	Dr Sandeep Gen Surgery	N
14.	Micronutrient Status, Inflammatory Markers, and Electrophysiological Parameters in Type 2 Diabetes: A Comparative Analysis of Patients with and without Cardiac Autonomic Neuropathy	Dr Rama Devi Physiology	Y
15.	Microalbuminuria before twenty weeks as a predictor for preeclampsia risk in pregnant women	Dr Manjusha Y Nephrology	Y
16.	Association of C5aR1, C5aR2, TRAM2 genetic variants with methicillin resistant staphylococcus aureus in health care workers: A cross- sectional Genetic Association study	Dr Rajita Microbiology	N
17.	PCSK9 Gene Variants in Lupus Nephritis: Implications for Cardiovascular Risk	Dr Arshi Biochemistry	Y
18.	Polymorphisms in FGFR2 Gene and Their Role in Chronic Obstructive Pulmonary Disease: Emphasis on the Impact of Smoking	Dr Krishna Murthy Pulmonology	Y
19.	Prospective study on the biomarkers in head injury: diagnostic and prognostic insights	Dr Srinivas Neurosurgery	Y

### Extramural Projects under ICMR

1.	The JAK-STAT Pathway: Impact on Endometriosis	Dr Sucheta OBGYN	Rs 68,22,061/-
2.	Cross-sectional study to characterize Vaginal Microbiome of Pregnant women through Metagenomics and its impact on Pregnancy outcome, neonates gut microbiome and infant growth	Dr Sucheta OBGYN	Rs 62,22,061/-

## **Network Projects**

<b>S No</b>	<b>Project Title</b>	<b>Status / Remarks</b>
1)	“Effect of in-utero exposure to SARS-CoV-2 infection on growth and development of neonates, infants and children- an ambispective cohort study”.	<ul style="list-style-type: none"><li><b>Completed with collaboration with ICMR</b></li></ul>
2)	Investigation of low -cost point – of-care measures for predicting preterm Birth Risk in south Indian Pregnant women	<ul style="list-style-type: none"><li><b>Adoch project to ICMR in collaboration with IIT Hyderabad</b></li></ul>
3)	Center for Advanced Research on Blood-Brain Barrier Targeting in Neurological Diseases (CAR-BBB)	<ul style="list-style-type: none"><li><b>Submitted Adoch project to CAR in collaboration with BITS PILANI Hyderabad campus</b></li></ul>