

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

- 1) The selection process for small grants for which the applications closed on 14/03/2024 has been completed. The following projects have been selected and will be approved subject to the following:
- Satisfactory response to technical comments.
  - Satisfactory response to budgetary comments and budget revision as necessary.
  - Completion of CODAL formalities, including ethics approval, within 3 months of receipt of intimation of selection.
- 2) Please note that the selection of the project is not a guarantee of funding if the above conditions are not met in a timely manner.
- 3) Please note that no funds should be spent in anticipation before final approval and release of funds by ICMR.

Sr. No.	Proposal ID	Proposal Title	Principal Investigator	Institute
1	IIRPSG-2024-01-00024	Translating Cold Atmospheric Plasma Technology for Effective Management of Infectious Wounds. From Bench to Bedside	Prof Rajesh kumar Gandhirajan	Sri Ramachandra Institute of Higher Education and Research, Tamil Nadu
2	IIRPSG-2024-01-00036	Development and evaluation of non-antibiotic loaded mucoadhesive gastroretentive tablets to establish a new treatment protocol against resistant Helicobacter pylori	Dr Tapan Kumar Giri	Jadavpur University
3	IIRPSG-2024-01-00117	DEVELOPMENT OF AN APTAMER-BASED POINT-OF-CARE DIAGNOSTIC TEST FOR PRETERM RISK ASSESSMENT THROUGH SALIVARY ESTRIOL MEASUREMENT USING A COMMERCIALY AVAILABLE GLUCOMETER	Prof Naveen Kumar Singh	Indian Institute of Technology, Delhi
4	IIRPSG-2024-01-00135	Development and validation of biomimetic nanosponge to remove pesticides and evaluate detoxifying potential in drosophila model system.	Dr Uchangi Satyaprasad Akshath	Nitte University Center for Science Education and Research (Nitte deemed to be University)
5	IIRPSG-2024-01-00143	Hospital bedside portable breath analyzer for rapid diagnosis of bacterial pneumonia, characterization of species, and antibiotic resistance profiling	Dr Chiranjit Ghosh	Manipal Academy of Higher Education
6	IIRPSG-2024-01-00145	A randomized controlled trial evaluating the effect of early versus conventional initiation of immunosuppressants on the incidence of acute graft-versus-host-disease in patients undergoing haploidentical transplantation	Dr Uday Prakash Kulkarni	Christian Medical College, Vellore
7	IIRPSG-2024-01-00157	3D Bioprintable Hydrogel Implant Containing Engineered Cells for Long Term Treatment of Amyotrophic Lateral Sclerosis	Dr Sudip Mukherjee	Indian Institute of Technology (Banaras Hindu University)
8	IIRPSG-2024-01-00170	Development of quantum enhanced multimodal nonlinear optical microscope integrated with machine learning for oral cancer screening and diagnosis	Dr Nirmal Mazumder	Manipal School of Life Sciences

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9	IIRPSG-2024-01-00178	Development of On-body Monitoring Device for Cardiovascular Health and Disease Prevention: Harnessing the Power of Flexible Electronics and AI Technology	Dr Syrpailyne Wankhar	All India Institute of Medical Sciences, Bhopal
10	IIRPSG-2024-01-00204	Unraveling the Biological Age Signature through the Epigenome (BASE): Identifying and Developing Innovative Precision Therapeutics in Temporal Lobe Epilepsy	Dr Prabhakar Tiwari	All India Institute of Medical Sciences, Delhi
11	IIRPSG-2024-01-00221	Social Marketing Intervention for adverse child-family relationships, Alcohol-usage and sexual - Health issues attributable to Social-Media-Usage among Adolescents: A Multi-City Cluster Randomized Controlled Trial in North-India.	Dr Tanvi Kiran	Postgraduate Institute of Medical Education & Research
12	IIRPSG-2024-01-00224	Multicentric, open label, pragmatic, randomized, controlled trial to compare the clinical outcome with 0.5 versus 1.0 mg entecavir for hepatitis B related decompensated cirrhosis	Prof Amit Goel	Sanjay Gandhi Postgraduate Institute of Medical Sciences
13	IIRPSG-2024-01-00247	Development of Novel activation modulated pH triggered Gastroretentive in situ gelling system for oral delivery of iron and In vivo evaluation in human subjects	Dr H.n.shivakumar	KLE College of Pharmacy, Bengaluru, Karnataka
14	IIRPSG-2024-01-00271	Effect of pharmacological sympathetic activity suppression on neuroinflammation, cerebral metabolites, and outcome in head injury patients- a randomized placebo controlled study	Dr Rajeeb Kumar Mishra	National Institute of Mental Health and Neurosciences
15	IIRPSG-2024-01-00290	Diagnostic potential of early and late stage expressing Mycobacterium tuberculosis antigens as exosomal biomarkers to discriminate the clinical disease from latent infection	Prof Sadhna Sharma	Miranda House
16	IIRPSG-2024-01-00295	An integrated protein design, machine learning and QM/MM-based pipeline to decipher antibiotic resistance in UPEC-associated urinary tract infections	Dr Aditya Kumar Padhi	Indian Institute of Technology (Banaras Hindu University)
17	IIRPSG-2024-01-00318	Effect of lysine modification on structure, stability and function of lens proteins	Dr Sandip Kumar Nandi	BITS PILANI, Goa Campus
18	IIRPSG-2024-01-00319	Development of Doped-Zirconia Coating on Titanium Surface for Dental Implant Application	Dr Kundan Kumar	Indian Institute of Technology (Banaras Hindu University)
19	IIRPSG-2024-01-00349	Multi-omics integrated machine learning approach for prediction of women at-risk of undergoing recurrent implantation failure (RIF)	Prof Koel Chaudhury	Indian Institute of Technology (IIT), West Bengal
20	IIRPSG-2024-01-00365	Effective elimination of ESKAPE Pseudomonas aeruginosa infections using phage-displayed nanobodies and lytic phage synergy	Prof Neelam Taneja	Postgraduate Institute of Medical Education & Research
21	IIRPSG-2024-01-00366	Effect of 3D-printing assisted surgical planning on operative time during correction of knee deformities in children and adolescents : A multicentric cohort study	Dr Vivek Singh	All India Institute of Medical Sciences, Rishikesh
22	IIRPSG-2024-01-00372	X-ray crystal structure determination of V protein and its complexes from Nipah virus and Newcastle disease virus, structure-guided screening and validation of potential anti-V drugs	Dr Sangita Venkataraman	Anna University
23	IIRPSG-2024-01-00376	Investigating EXOC6B function and the pathomechanisms underlying its associated skeletal dysplasia	Dr Priyanka Upadhyai	Kasturba Medical College
24	IIRPSG-2024-01-00379	Designing and production of antibody fragments (scFv) and complete neutralizing humanized antibody for the treatment of Dengue	Dr Rinkoo Devi Gupta	South Asian University

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25	IIRPSG-2024-01-00384	Exploring the role of DNA methylation changes as early markers of Gestational Diabetes Mellitus in a community-based longitudinal study from South India	Dr Srikant Ambatipudi	Sree Chitra Tirunal Institute for Medical Sciences and Technology
26	IIRPSG-2024-01-00385	Studying the crosstalk between microbiota and intestinal goblet cells in Ulcerative colitis pathogenesis	Dr Chittur Venkateshwaran Srikanth	Regional Centre for Biotechnology
27	IIRPSG-2024-01-00387	Sustained co-delivery of growth factor and ROS quencher for the repair and treatment of osteoarthritis	Prof Rachit Agarwal	Indian Institute of Science (IISc)
28	IIRPSG-2024-01-00394	Implantable Tibial Nerve Stimulator for Overactive Bladder Control	Ms Neethu S	Sree Chitra Tirunal Institute for Medical Sciences and Technology
29	IIRPSG-2024-01-00421	Alternative treatment approaches for individuals with mutations in thyroid hormone transporters	Prof Sivaraj Mohana sundaram	Indian Institute of Technology (IIT), Indore
30	IIRPSG-2024-01-00430	Elucidating the Role of Ceramide Kinase in Cancer Cell-Macrophage Cross-talk in Tumor Microenvironment and Build New Therapeutic Strategies for Breast and Oral Cancer Treatment.	Prof Avinash Bajaj	Regional Centre for Biotechnology
31	IIRPSG-2024-01-00479	HEMI Trial: Novel use of Hyaluronan Enriched Media for Improving Implantation in Intrauterine Insemination: A Prospective Randomised Controlled Trial	Dr Navdeep kaur Ghuman	All India Institute of Medical Sciences, Jodhpur
32	IIRPSG-2024-01-00480	Evaluating the Effectiveness of Community-based Peer-led Intervention (CPLI) in Reducing Substance Abuse among Adolescents: A Randomized Controlled Trial within School Health Programme under Ayushman Bharat	Dr U venkatesh	All India Institute of Medical Sciences, Gorakhpur
33	IIRPSG-2024-01-00484	Safety and Efficacy Evaluation of Liposome-based Nanocordycepin for the treatment of chemoresistant breast cancer cells in vitro and in vivo	Dr Dugganaboyana guru kumar	JSS Academy Of Higher Education & Research
34	IIRPSG-2024-01-00486	Oral Microdevices for Non-Invasive Pancreatic Fluid (OMNI-PF) Sampling for Early Chronic Pancreatitis Detection.	Prof Sarvesh kumar Srivastava	Indian Institute of Technology, Delhi
35	IIRPSG-2024-01-00539	Developing and enhancing an antifungal peptide drug conjugate against an antimicrobial-resistant ocular fungal infection in a three-dimensional (in vitro) and in vivo model	Dr Narayanan Janakiraman	Vision research foundation
36	IIRPSG-2024-01-00559	Pediatric and adult patients based therapeutic developments targeting novel Mycobacterium tuberculosis signature proteins, Rv1509 and Rv1507A: A quest to deal with Drug Resistance	Prof Rajniti Prasad	Banaras Hindu University, Uttar Pradesh
37	IIRPSG-2024-01-00578	Functional repair of mutant RB1 by CRISPR-mediated gene editing in retinal tumor cells of bilateral RB patients	Dr Thirunavukkarasu Velusamy	Bharathiar University
38	IIRPSG-2024-01-00610	Targeting Microglia and Brain-Derived Macrophages to Reverse Compulsive Sugar Eating and Sugar Withdrawal Symptoms	Dr Mohit Kumar	National Agri-Food Biotechnology Institution
39	IIRPSG-2024-01-00616	An therapeutic strategy for tackling drug resistant triple negative breast cancer using a targeted approach for co-delivery of siRNA and chemotherapeutic drug.	Dr Arindam Pramanik	AMITY UNIVERSITY UTTAR PRADESH
40	IIRPSG-2024-01-00645	Development of Novel EV-based Therapeutic Strategies for the Treatment of Inherited Krabbe Disease, a Type of Lysosomal Storage Disease	Dr Raghavendra Upadhya	Manipal Academy of Higher Education

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41	IIRPSG-2024-01-00649	Aspartame, Neurovascular Flow, and Cognitive Performance: A Molecular Approach to Understanding Deficits in Learning and Memory	Dr Arbind Kumar Choudhary	All India Institute of Medical Sciences, Rae Bareli
42	IIRPSG-2024-01-00659	Scale-Up and Development of Multivalent Vaccines Using Halophilic Protein Nanoparticle Gas Vesicles	Dr Ram Karan	University of Delhi, South Campus
43	IIRPSG-2024-01-00667	Deciphering the epigenetically regulated iron dependent immune pathways during thermal stress by multi-omics approach	Dr K rajamanickam	Tamil Nadu Veterinary & Animal Sciences University
44	IIRPSG-2024-01-00685	Role of tryptophan catabolic pathway in the immune dysregulation and inflammatory hepatobiliary destruction in biliary atresia	Prof Yashwant Kumar	Postgraduate Institute of Medical Education & Research
45	IIRPSG-2024-01-00726	Testing a community-based non-familial intergeneration life skill education model-Impact on the mental health of adolescents and the elderly in Punjab and Chandigarh	Dr Anuradha Nadda	BR Ambedkar Institute of Medical Sciences
46	IIRPSG-2024-01-00741	To evaluate the effectiveness of the Indian Digital Neuro-Cognitive module as an intervention for cognitive remediation in substance use disorders: A Randomized control trial	Dr Simran Kaur	All India Institute of Medical Sciences, Delhi
47	IIRPSG-2024-01-00762	Therapeutic targeting of cell death and efferocytosis pathways as a novel host directed therapy in tuberculosis	Prof Parul Mehrotra	Indian Institute of Technology, Delhi
48	IIRPSG-2024-01-00787	Corticosteroid therapy for near-hanging patients: A double-blinded, multi-centre, placebo-controlled, randomized controlled trial	Dr Ramadoss R	Jawaharlal Institute of Postgraduate Medical Education & Research
49	IIRPSG-2024-01-00862	Structure based development of key antimalarial inhibitors/drugs against Plasmodium Metacaspases and validation in vitro and in vivo systems	Prof Ajay Kumar Saxena	Jawaharlal Nehru University
50	IIRPSG-2024-01-00869	Unraveling fibrosis-dependent circular RNA and proteomic perturbations in pulmonary disease	Dr Samrat Chatterjee	Translational Health Science and Technology Institute
51	IIRPSG-2024-01-00881	Moving Beyond Static Balance: A Novel Modular Dynamic Balance Board Concept for Balance Neurorehabilitation	Prof Sivakumar balasubramanian	Christian Medical College, Vellore
52	IIRPSG-2024-01-00891	Deciphering the regulatory role of Topoisomerase 1 (TOP1) in thymus development and its implications in Severe Combined Immunodeficiency (SCID)	Dr Kushagra Bansal	Jawaharlal Nehru Centre for Advanced Scientific Research
53	IIRPSG-2024-01-00902	Design, synthesis and characterization of shikimate kinase inhibitors against Mycobacterium tuberculosis	Dr Arunava Dasgupta	CSIR-Central Drug Research Institute (CSIR-CDRI)
54	IIRPSG-2024-01-00916	Catheter-directed image guided delivery of small molecule chemotherapeutic agent using radio-opaque biodegradable microspheres for the treatment of hepatocellular carcinoma	Dr Manju S	Sree Chitra Tirunal Institute for Medical Sciences and Technology
55	IIRPSG-2024-01-00943	Cardiac signals for sleep apnea prediction in stroke survivors	Dr Sapna Erat sreedharan	Sree Chitra Tirunal Institute for Medical Sciences and Technology

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56	IIRPSG-2024-01-00993	Reinvigorating CD8 T-cell Functionality in Colon Cancer through Metabolic Modulation of Tumor-Endothelial Cell and CD8 T-cell Interactions: A Novel Approach to Overcome Immune Evasion	Dr Sumit Kumar Hira	University of Burdwan
57	IIRPSG-2024-01-00999	Understanding the role of propionic acid in regulating PPAR-gamma and lipoprotein lipase (LPL) in Poly cystic ovary syndrome (Pro-PPL)	Dr Sankar ganesh Devaraj	Vellore Institute of Technology
58	IIRPSG-2024-01-01000	In-vitro mitochondrial transfer to rescue mitochondrial leukoencephalopathy in personalized cerebral organoids derived from children with mitochondrial respiratory chain disorders- A potential therapeutic intervention	Dr Arushi Gahlot Saini	Postgraduate Institute of Medical Education & Research
59	IIRPSG-2024-01-01062	Targeted ultra-small mesoporous silica nanoparticles for receptor-mediated delivery of novel luminescent metalodrugs toward theranostics applications for treating solid hypoxic tumours	Prof Ritu Kulshreshtha	Indian Institute of Technology, Delhi
60	IIRPSG-2024-01-01066	In vitro and in vivo evaluation of liposome encapsulated mycobacteriophages D29 and TM4 as therapeutic candidates against Mycobacterium tuberculosis	Dr P ramalingam	NIPER(National Institute of pharmaceutical education and research), Hajipur
61	IIRPSG-2024-01-01073	Development of CRISPR based novel nanotherapy for Parkinson's disease	Dr Surajit Karmakar	Institute of Nano Science and Technology, Punjab
62	IIRPSG-2024-01-01083	Unveiling the therapeutic potential of c-PGRP-S in the in vitro and in vivo Triple Negative Breast Cancer (TNBC) models: A pre-clinical study	Dr Pradeep Sharma	All India Institute of Medical Sciences, Delhi
63	IIRPSG-2024-01-01092	Investigating the role of surface adhesion proteins in fungal pathogenesis and evaluating their potential for aptamer-based biosensor development	Dr Sanjeev Kumar Choudhry	Mahindra University
64	IIRPSG-2024-01-01100	Development of a soluble form of TIGIT to modulate tumor-specific cytotoxicity of NK and T cells as a therapeutic strategy in breast cancer	Dr Dibyendu Samanta	Indian Institute of Technology (IIT), West Bengal
65	IIRPSG-2024-01-01106	Deciphering the cellular heterogeneity in unstable atherosclerotic plaques using single cell RNA sequencing and spatial whole transcriptomics for developing RNA based prognostic markers	Dr Surya Ramachandran	Gujarat Biotechnology University
66	IIRPSG-2024-01-01108	Investigating therapeutic potential of NDP52 modulation in Alzheimer's Disease by recombinant DNA delivery and cheminformatics- proteomic approaches	Dr Sachin Suresh Tiwari	Indian Institute of Technology (IIT), Roorkee
67	IIRPSG-2024-01-01114	Mycobacterial Membrane Proteins : Molecular Characterization for Engineered Vaccine and anti-TB Therapeutics	Prof Radhakrishnan Mahalakshmi	Indian Institute of Science Education and Research (IISER), Bhopal
68	IIRPSG-2024-01-01115	Development of Good Manufacturing Practice-Compatible Generation and Culture Methods of Corneal endothelial cells from Human induced pluripotent stem cells	Dr Koushik Chakrabarty	Narayana Nethralaya
69	IIRPSG-2024-01-01132	The Identification and characterization of newer pathogenic variants associated with mitochondrial diseases of the nervous system	Dr P govindaraj	National Institute of Mental Health and Neurosciences
70	IIRPSG-2024-01-01137	Design and development of a low-cost, optical fiber probe based optical coherence tomography system under resource-constrained setting	Dr Nitin bhatia	Indian Institute of Technology (IIT), Jodhpur
71	IIRPSG-2024-01-01152	Effectiveness of Fluoride Varnish in preventing Dental Caries among paediatric patients undergoing Chemotherapy: A Randomized Controlled Trial	Dr Harsh priya	All India Institute of Medical Sciences, Delhi

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72	IIRPSG-2024-01-01158	Impact of point-of-care tests on mortality in HIV patients with suspected Central Nervous System infection: a diagnostic randomised controlled trial from India	Dr Nitin Gupta	Kasturba Medical College
73	IIRPSG-2024-01-01179	Detection of Urinary Infection by laboratory developed sensing kits	Dr Biswajit Saha	Indian Institute of Technology (IIT), Gandhinagar
74	IIRPSG-2024-01-01185	Functional Analysis Of Novel Identified Variants Associated With Progressive Familial Intrahepatic Cholestasis Using Preclinical Models	Prof Deepti Abbey	Indian Institute of Technology, Delhi
75	IIRPSG-2024-01-01188	Building unnatural peptide pores targeting bacterial membranes against antibiotic resistance	Dr Mahendran	Rajiv Gandhi Centre for Biotechnology
76	IIRPSG-2024-01-01197	Seizure-Sentry: Wearable Epilepsy Prediction Device for Enhanced Patient Safety through Timely Alerts and Personalized Seizure Management	Dr Ramji Gupta	Parul University
77	IIRPSG-2024-01-01202	Design and synthesis of fourth generation EGFR/L858R/T790M /C797S inhibitors as anticancer agents for non-small cell lung cancer (NSCLC): Targeting ATP binding site Approach	Dr Gurubasavaraja swamy	Acharya & BM Reddy college of Pharmacy, Karnataka
78	IIRPSG-2024-01-01266	To establish the therapeutic potential of probiotics and their associated metabolites in mitigating pulmonary and extrapulmonary ARDS under preclinical and clinical conditions	Dr Rupesh K Srivastava	All India Institute of Medical Sciences, Delhi
79	IIRPSG-2024-01-01272	Accelerating identification of RNA-targeted therapeutics to mitigate breast cancer through development of computational methods	Prof Michael Gromiha	Indian Institute of Technology (IIT), Madras
80	IIRPSG-2024-01-01285	Enhancing Preparedness through Vulnerability Mapping in Communities and Healthcare Facilities against heat related illness in Gorakhpur	Dr Vinoth R	All India Institute of Medical Sciences, Gorakhpur
81	IIRPSG-2024-01-01292	Molecular Predictive markers for myopia in Indian adolescents using integrated multi-omics approach	Dr Vrushali Umakant Deshpande	Narayana Nethralaya
82	IIRPSG-2024-01-01293	Double layered spike stem-nucleocapsid protein nanoparticles guided development of pan-beta-coronavirus vaccine	Dr Naveen Kumar	ICAR-National Institute of High Security Animal Diseases
83	IIRPSG-2024-01-01296	Unravelling the Nutraceutical Potential of Millet Polyphenols in Modulating Gut-Microbiome Liver axis in alleviating Hepatic Endotoxemia and Steatosis	Dr Kanthi kiran Kondepudi	National Agri-Food Biotechnology Institution
84	IIRPSG-2024-01-01299	Elucidating the impact of yoga-based Lifestyle-Intervention on Metabolites, Transcriptome Dynamics, and Microbiota composition for Personalized Interventions in Polycystic Ovary Syndrome – A descriptive study	Prof Rima Dada	All India Institute of Medical Sciences, Delhi
85	IIRPSG-2024-01-01305	Development of an Immunomodulating hydrogel to revert macrophage dysfunction in diabetic wounds for faster and scar-free healing	Dr Jayanta Bhattacharyya	Indian Institute of Technology, Delhi
86	IIRPSG-2024-01-01308	Paediatric Osteomyelitis: Enhancing Detection Sensitivity of Tc-99m MDP Bone Scan Studies	Prof Anil Kumar Pandey	All India Institute of Medical Sciences, Delhi
87	IIRPSG-2024-01-01325	Mechanism-based repurposing of auranofin for the sensitization of multidrug-resistant oral carcinoma to chemotherapeutics treatment	Dr N rajendra prasad	Annamalai University
88	IIRPSG-2024-01-01326	Development of molecular Signatures panel for Early Diagnosis of Vasospasm in aneurysmal Subarachnoid hemorrhage: Bridging Diagnostic Gaps and Limiting Delay Neurological Deficits	Dr Pawan Kumar Verma	Sanjay Gandhi Postgraduate Institute of Medical Sciences

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89	IIRPSG-2024-01-01349	Establishing an innovative non-invasive in vivo model for Chronic Suppurative Otitis Media and its treatment using hemocompatible carbon quantum dots	Prof Jayati Ray dutta	Birla Institute of Technology and Sciences-Pilani, Hyderabad Campus
90	IIRPSG-2024-01-01353	Artificial intelligence for automated detection and measurement of endoscopic and histologic activity in patients with inflammatory bowel disease: a prospective multi-center cohort study	Dr Saurabh Kedia	All India Institute of Medical Sciences, Delhi
91	IIRPSG-2024-01-01364	An open label phase-2 randomized-clinical-trial to evaluate the efficacy and safety of low-dose nivolumab and low-dose chemotherapy in patients of advanced NSCLC with poor PS	Dr Prabhat Singh Malik	All India Institute of Medical Sciences, Delhi
92	IIRPSG-2024-01-01373	Barriers and facilitators to access healthcare services for children with Autism: a qualitative study	Prof Samrat Singh Bhandari	Sikkim Manipal Institute of Medical Sciences
93	IIRPSG-2024-01-01386	Inhaled Milrinone as adjuvant to oral Sildenafil in persistent pulmonary hypertension of newborn: a parallel group randomized pilot trial	Dr Rameshwar Prasad	All India Institute of Medical Sciences, Patna
94	IIRPSG-2024-01-01395	Comparative Analysis of Vacuum Assisted Closure Therapy Versus Conventional Dressings in the Treatment of Post Operative Necrotizing Fasciitis Wounds	Dr Keval Ramesh Dhone	Datta Meghe Medical College
95	IIRPSG-2024-01-01424	3D Printed Bioresorbable Microneedle array-based sutureless breathable dermal-substitute system for second-degree burn wounds to treat microbial infection, hypertrophic scar, and with skin regenerative properties (3DBioResMiNee)	Dr Shivendu Ranjan	Indian Institute of Technology (IIT), West Bengal
96	IIRPSG-2024-01-01427	Generation and characterization of a pre-clinical model for the India-specific Agarwal founder mutations in Limb Girdle Muscular Dystrophy Type 2A	Dr Sam J Mathew	Regional Centre for Biotechnology
97	IIRPSG-2024-01-01450	Design, Development, and Pre-Clinical Validation of SMARTDICE: an Automated Smart Cartilage Dicer for dicing and predicting diced cartilage integrity for Rhinoplasty and Facial trauma/deformities.	Dr Sourabha Kumar Patro	Postgraduate Institute of Medical Education & Research
98	IIRPSG-2024-01-01453	Exploring mechanisms exerted by novel peptide in inducing scar free tissue repair	Dr Sangita Mukhopadhyay	Centre for DNA Fingerprinting and Diagnostics
99	IIRPSG-2024-01-01465	Delineating and characterizing the m6A RNA methylation marks in primary and relapsed B-cell Acute Lymphoblastic Leukemia (B-ALL)	Dr Jayanth Kumar Palanichamy	All India Institute of Medical Sciences, Delhi
100	IIRPSG-2024-01-01489	Ubiquitin-Specific Protease (USP46) as a Cancer Stem cell-specific Deubiquitinase (DUB):Mechanistic Insights and Targeted Therapy	Dr Ekta Tripathi	M.S. Ramaiah University of Applied Sciences
101	IIRPSG-2024-01-01503	Development and Validation of a Novel, Innovative Artificial Intelligence-Based Algorithm to Predict the Diagnosis, Personalized Treatment Plan, and Expected Outcomes in Orthodontics and Dentofacial Orthopaedics.	Dr S Suma	JSS Dental College and Hospital
102	IIRPSG-2024-01-01505	Expanding hematopoietic stem cells ex vivo through epigenetic modifications: advancement in treating hematological malignancies	Prof Sadhana Sharma	All India Institute of Medical Sciences, Patna
103	IIRPSG-2024-01-01515	Development of microfluidic paper-based point of care device integrated with LAMP assay for rapid detection of bacterial pathogens and ESBL genes in neonatal sepsis	Dr Rajesh P Shastry	Yenepoya

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104	IIRPSG-2024-01-01524	Development and evaluation of a highly sensitive molecular method for diagnosis and screening of drug resistance in patients of extrapulmonary tuberculosis (EPTB).	Prof Kusum Sharma	Postgraduate Institute of Medical Education & Research
105	IIRPSG-2024-01-01531	Zoledronic Acid in Preventing Worsening of Bone Health in Postmenopausal Women with Nonmetastatic Carcinoma Breast Receiving Chemotherapy: A multicenter Randomized, Double-Blind, Placebo-Controlled Study. (ZAPBL STUDY)	Prof Biswajit Dubashi	Jawaharlal Institute of Postgraduate Medical Education & Research
106	IIRPSG-2024-01-01535	Development of High-Throughput Assay system for the screening of the Anti-Sickling agents.	Dr Lokeswara Bala krishna. Sunnam	Central University of Kerala
107	IIRPSG-2024-01-01557	Developing a Culture Independent Rapid Detection Panel of Bacterial Infection in ascitic fluid of decompensated Liver Cirrhosis and Spontaneous Bacterial Peritonitis.	Dr Chhagan Bihari	Institute of Liver and Biliary Sciences
108	IIRPSG-2024-01-01558	Evaluation of a 'bundled intervention' to restore circadian rhythm in critically ill sepsis patients: A randomized controlled trial.	Dr Souvik Maitra	All India Institute of Medical Sciences, Delhi
109	IIRPSG-2024-01-01573	Design, synthesis, and anticancer evaluation of novel benzimidazole conjugated pyrido2,3-dpyrimidine/ alkylated substituted benzimidazole conjugated pyrido2,3-dpyrimidine derivatives as anti-colorectal cancer agents targeting thymidylate synthase	Dr Pradeep Kumar	Central University of Punjab
110	IIRPSG-2024-01-01590	Targeting an essential Candida-specific protein to develop antifungals	Prof Kaustuv Sanyal	Jawaharlal Nehru Centre for Advanced Scientific Research, Karnataka
111	IIRPSG-2024-01-01595	Machine Learning Driven Smartphone App Interfaced Paper-based Point-of-care diagnostic device for comprehensive detection of Iron deficiency Anemia by image processing	Prof Soumen Das	Indian Institute of Technology (IIT), West Bengal
112	IIRPSG-2024-01-01597	Inhibiting Quorum Sensing with Synthetic Surfactant Analogs for Non-Antibiotic Control of Pseudomonas aeruginosa in Cystic Fibrosis	Dr James John	Sathyabama Institute of Science and Technology
113	IIRPSG-2024-01-01617	Structure-guided design, development, and delivery of peptide-based therapeutics targeting sigma factor-RNA polymerase interaction to combat virulence in Helicobacter pylori	Dr Preethi Rangunathan	University of Madras, Chennai
114	IIRPSG-2024-01-01620	Novel laboratory tests in haemophilia A patients on emicizumab therapy	Dr Shrimati Dharmapal Shetty	K. J. Somaiya Hospital and Research Center
115	IIRPSG-2024-01-01628	Targeting triple negative breast cancer by engineering agents derived from Piper longum	Dr Subash Chandra Gupta	All India Institute of Medical Sciences, Guwahati
116	IIRPSG-2024-01-01641	Impact of an integrated health, nutrition and early child stimulation intervention package delivered to preterm or small for gestational babies during infancy on body composition	Dr Ranadip Chowdhury	Center for Health Research and Development, Society for Applied Studies
117	IIRPSG-2024-01-01677	A NIR Light-Responsive Antibody–Drug Conjugates (ADCs) with Porphyrin Photocaged-Linker for Breast Cancer	Dr Rajasekhar Adiki	MNR Medical College & Hospital
118	IIRPSG-2024-01-01680	An integrative approach using genomics and tissue proteomics to identify potential biomarkers for precision medicine in Pheochromocytomas and Paragangliomas	Dr Ashutosh Kumar Arya	All India Institute of Medical Sciences, Delhi



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119	IIRPSG-2024-01-01692	Attenuation of drug-resistance in Ocular Multidrug-Resistant Pseudomonas aeruginosa using human corneal miRNA cargo of Extracellular Vesicles	Dr Bharanidharan Devarajan	Aravind Medical Research Foundation
120	IIRPSG-2024-01-01703	Breath Volatile Organic Compounds Based Screening Device for Detection of Head and Neck Cancer	Prof Indranil Lahiri	Indian Institute of Technology (IIT), Roorkee
121	IIRPSG-2024-01-01711	To develop cellulose based functional hydrogel impregnated with fermented banana leaf extract as a wound dressing material for the management of burn wounds	Dr Meenakshi Sanmugaraja	MEPCO Schlenk Engineering College
122	IIRPSG-2024-01-01726	Midwife led intrapartum care in a tertiary care teaching hospital: an experimental implementation research	Prof Gowri Dorairajan	Jawaharlal Institute of Postgraduate Medical Education & Research
123	IIRPSG-2024-01-01766	To develop detailed understanding of SUMO modification and SUMO interaction-dependent regulation of cytoskeletal aggregate/granule formation during cellular stresses and neuropathologies	Mr Ram Kumar Mishra	Indian Institute of Science Education and Research (IISER), Bhopal
124	IIRPSG-2024-01-01768	Title: Expansion of the Genetic Code: A Potential Treatment Strategy for Type-I Diabetes	Prof Subhendu Sekhar Bag	Indian Institute of Technology (IIT), Guwahati
125	IIRPSG-2024-01-01769	Development of a robust Machine Learning tool to support quick Malaria detection and parasite stage identification for reducing malaria burden	Dr Akriti Nigam	Birla Institute of Technology
126	IIRPSG-2024-01-01774	Prevalence of Sarcopenic obesity in PCOS and efficacy of individualised lifestyle modifications for Sarcopenic obesity treatment: A Matched Case Control and pre-post intervention study.	Dr Deepali Garg	All India Institute of Medical Sciences, Delhi
127	IIRPSG-2024-01-01776	Process development for prodigiosin production in bioreactor and evaluation of nanoparticle-based prodigiosin therapies for triple-negative breast cancer cell lines	Dr Biswanath Bhunia	National Institute of Technology, Agartala
128	IIRPSG-2024-01-01846	Preclinical investigations on the utility of non-psychoactive cannabinoids and their mixtures in diabetic neuropathic pain conditions	Dr Sreedhar Madishetti	CSIR-Indian Institute of Integrative Medicine(CSIR-IIIM)
129	IIRPSG-2024-01-01850	A Study on Occupational Stress, Respiratory Health, and Inflammatory Responses among Some Informal Sectors in India – The Undermined Issue	Dr Subhashis Sahu	University of Kalyani
130	IIRPSG-2024-01-01867	Development and targeted delivery of a nanotized-Asiatic acid formulation for reducing chronic arsenic induced cardio-metabolic toxicity in a preclinical animal model	Prof Sagartirtha Sarkar	University of Calcutta
131	IIRPSG-2024-01-01871	Biomimetic heart valve replacements exhibiting functional hemodynamic properties for potential clinical applications	Prof Biman B Mandal	Indian Institute of Technology (IIT), Guwahati
132	IIRPSG-2024-01-01898	Evaluation of antimicrobial peptides Epinecidin-1 and its variants efficacy against neonatal sepsis in vitro and in vivo	Prof Anbarasu Kumarasamy	Bharathidasan University
133	IIRPSG-2024-01-01903	Development of various microbial models of IBD in Zebrafish and evaluation of ameliorative capacity of novel parabiotic (bacterial extravesicular secretions) formulation isolated from fermented foods.	Prof Sarita G Bhat	Cochin University of Science & Technology
134	IIRPSG-2024-01-01908	Preclinical studies using novel SIRT1 activators of dietary origin for the management of PCOS	Dr Asha Martin	CSIR-Central Food Technological Research Institute(CSIR-CFTRI)

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

135	IIRPSG-2024-01-01911	Multicomponent intervention for improving cognitive function among community-dwelling older adults with type 2 diabetes: A non-randomized intervention study	Dr Aarti Nagarkar	Savitribai Phule Pune University
136	IIRPSG-2024-01-01934	'Multi-omic' approach for evaluation of the unexplained hemolytic anemia in children and young adults: a multicenter study	Dr Ruchi Gupta	Sanjay Gandhi Postgraduate Institute of Medical Sciences
137	IIRPSG-2024-01-01943	Harnessing unusual bat mechanisms to therapeutically target respiratory epithelial damage and dysregulated inflammation in zoonotic RNA virus infections	Dr Kesavardana Sannula	Indian Institute of Science (IISc)
138	IIRPSG-2024-01-01947	Epidemiological Characterization of Zoonotic infections in Melghat Tribal Population	Dr Rajpal Singh Kashyap	Dr. G.M Taori Central India Institute of Medical Sciences
139	IIRPSG-2024-01-01951	Leveraging genome sequencing to prevent hospital-acquired infections with Carbapenem-Resistant Acinetobacter baumannii due to Importation and Intra-Facility transmission in regional hospital network: An Implementation Research Approach	Dr Basanti Kumari Pathi	Kalinga Institute of Medical Sciences
140	IIRPSG-2024-01-01968	Closed Loop Motor Imagery Brain-Computer Interface using Sensorimotor Rhythms and Error-Related Potentials for Neurorehabilitation of Stroke Patients	Dr Subasree R	National Institute of Mental Health and Neurosciences
141	IIRPSG-2024-01-01993	Preparation of nano-emulsions and nanofibers loaded with selected essential oils and analysis of their efficacy, efficiency and fidelity.	Dr Kiran Ramesh Kharat	Mizoram University
142	IIRPSG-2024-01-02012	Development of non-invasive imaging biomarkers to assess the metabolic dysfunction, hepatosteatosis, and myosteatosis-related cardiovascular disease risk in the elderly Indian population	Prof Chandan J Das	All India Institute of Medical Sciences, Delhi
143	IIRPSG-2024-01-02020	Financial Navigation Support to Patients availing Cancer-Care at a Public Tertiary Care Health Facility in Rajasthan: Mixed Methods Exploration	Dr Prasanna Thirunavukkarasu	All India Institute of Medical Sciences, Jodhpur
144	IIRPSG-2024-01-02028	Evaluation of cell-free DNA (cf DNA) for diagnosis and molecular screening of drug resistance in patients of tuberculous uveitis (TBU)	Dr Ramandeep Singh	Postgraduate Institute of Medical Education & Research
145	IIRPSG-2024-01-02049	Development of fatty acid synthesis inhibitors through Medohara formulations as a potential therapeutic strategy for resistant breast tumours.	Dr Devanjan Sinha	Banaras Hindu University
146	IIRPSG-2024-01-02083	Synthetic lethal interaction screening for discovery of novel Acinetobacter baumannii LD-transpeptidase inhibitors (SLiDNALI)	Prof Ranjana Pathania	Indian Institute of Technology (IIT) Roorkee, Uttarakhand
147	IIRPSG-2024-01-02095	Lead optimization and in vivo proof-of-concept studies of novel alpha-ketoamide based protein aggregation modulators for Alzheimer's Disease	Dr Rajnish	Indian Institute of Technology (Banaras Hindu University)
148	IIRPSG-2024-01-02098	BRCA1/G-Quadruplex Interactions: Implications in Chromatin Organization and Tumorigenesis amidst FDA Fast track Approval for G-Quadruplex Inhibitors for Breast and Ovarian Cancer Treatment	Dr Nishana Mayilaadumveettil	Indian Institute of Science Education and Research (IISER)
149	IIRPSG-2024-01-02107	Carvedilol and Simvastatin vs. Carvedilol alone for Chronic Liver Disease and Cirrhotic cardiomyopathy and its impact on hepatic decompensation, survival a double-blind randomized controlled trial.	Dr Madhumita Premkumar	Postgraduate Institute of Medical Education & Research

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

150	IIRPSG-2024-01-02127	Targeting the complement anaphylatoxin receptors for developing novel therapeutics in asthma and chronic obstructive pulmonary disease	Prof Arun Kumar Shukla	Indian Institute of Technology (IIT), Kanpur
151	IIRPSG-2024-01-02196	Clinical, Immunological and Molecular Spectrum of Inborn Errors of Immunity (IEI) in children with severe sepsis admitted to tertiary care centers in eastern India	Dr Gautom Kumar Saharia	All India Institute of Medical Sciences, Bhubaneswar
152	IIRPSG-2024-01-02200	"To investigate the significance of circulating erythroid progenitor cell count and VEGFR-2 expression as potential progressive vascular markers for sickle cell disease."	Prof Eli Mohapatra	All India Institute of Medical Sciences, Raipur
153	IIRPSG-2024-01-02250	Small molecule and gene therapies for Glutaric Aciduria Type I, an Inborn Error of Metabolism (IEM) disorder	Dr Aarti Sevilimedu	Dr. Reddy's Institute of Life Sciences
154	IIRPSG-2024-01-02256	Assessing the theranostic capabilities of the Aurora-A/TPX2 Complex in Gallbladder Cancer	Dr Chandra Prakash Prasad	All India Institute of Medical Sciences, Delhi
155	IIRPSG-2024-01-02286	The effect of multi-domain intervention (YoCogDiPP) on cognitive impairment, heart rate variability, cortisol, inflammatory markers and depression scores in patients with depression: randomized control trial	Dr Ashlesh Laxman Patil	All India Institute of Medical Sciences, Nagpur
156	IIRPSG-2024-01-02295	Renal tissue oxygenation monitoring using near-infrared spectroscopy in late preterm and term neonates at risk for acute kidney injury	Dr Nivedita Kamath	St John's Medical College Hospital
157	IIRPSG-2024-01-02310	Impact of Host Genomic Landscape and Environmental Factors on Gut Microbiome Profiles in Children with Congenital Uropathies Prone to Urinary Tract Infections	Dr Sachit Anand	All India Institute of Medical Sciences, Delhi
158	IIRPSG-2024-01-02313	Investigation on CD151 exosomes mediated transmission of drug resistance and its contribution to metastasis of triple negative breast cancer	Prof Ramarao Malla	Gandhi Institute of Technology & Management (GITAM)
159	IIRPSG-2024-01-02334	Development of Cereblon (CRBN) as an early prognostic marker in Pediatric sepsis: A step to reduce mortality in children	Dr Namita Mishra	All India Institute of Medical Sciences, Rae Bareli
160	IIRPSG-2024-01-02349	Randomized crossover trial for the effect of sevelamer-hydrochloride as adjuvant on serum phosphate in patients with idiopathic-hypoparathyroidism with persistent hyperphosphatemia on standard conventional therapy	Prof Ravinder Goswami	All India Institute of Medical Sciences, Delhi
161	IIRPSG-2024-01-02356	Effect of smokeless tobacco on the expression of transporter proteins by targeted proteomics approach and implications thereof on the pharmacokinetics of substrate drugs.	Dr Swapnil Jayant Dengale	National Institute of Pharmaceutical Education and Research Guwahati
162	IIRPSG-2024-01-02383	Deciphering Androgen receptor/Aurora kinase A /NF- $\kappa$ B signaling axis in induction of inflammatory response in polycystic ovary syndrome (PCOS): A Search for potential drug candidates	Dr Manoj Kumar	AMITY UNIVERSITY UTTAR PRADESH
163	IIRPSG-2024-01-02401	Explainable Artificial Intelligence (XAI) to identify the Synergistic Antimicrobial combinations for the treatment of carbapenem-resistant Acinetobacter baumannii.	Dr George Priya doss C	Vellore Institute of Technology, Tamil Nadu
164	IIRPSG-2024-01-02406	Developing DdpMPyPEPhU as a multitargeted drug for Breast Cancer using AI-guided enumeration-based optimisation, synthesis and preclinical evaluation in PDX model	Dr Khalid Raza	Jamia Millia Islamia University
165	IIRPSG-2024-01-02409	Elucidating mTOR-mediated regulations of post-translational modification of microtubules for cancer therapeutics	Dr Nitin Mohan	Indian Institute of Technology (IIT), Kanpur

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

166	IIRPSG-2024-01-02446	Determining the association between pre-operative frailty and nutritional status with the occurrence of emergence delirium and cognitive dysfunction in pediatric patients under general anesthesia	Dr Puneet Khanna	All India Institute of Medical Sciences, Delhi
167	IIRPSG-2024-01-02447	AI-Enhanced Predictive Modeling of Oncogenic Crosstalk and Prognosis: Unraveling the Regulatory Network of IQGAP1, IQGAP2, EEF1A2, and FRG1 protein complex in Breast Cancer Progression	Dr Manjusha Dixit	National Institute of Science Education and Research, Bhubaneswar
168	IIRPSG-2024-01-02452	Mitigating Infertility and Transgenerational Impact of Orchitis through Adipose Tissue-Derived Mesenchymal Stem Cell Therapy	Dr Sandeep Goel	National Institute of Animal Biotechnology, Telangana
169	IIRPSG-2024-01-02481	Development of hepcidin-targeted therapies for anemia	Dr Naveen Kaushal	Panjab University
170	IIRPSG-2024-01-02485	Therapeutic entities for healthy aging through restoring mitochondrial function.	Prof Deepak Kumar Saini	Indian Institute of Science (IISc)
171	IIRPSG-2024-01-02487	SoyHeal: Development of Superabsorbent Soy Protein Isolate Cryogel based Wound Dressings with Shape Memory Properties for Non-compressible Hemorrhage Control and Diabetic Wound Healing	Dr Sanjeev Kumar Mahto	Indian Institute of Technology (Banaras Hindu University)
172	IIRPSG-2024-01-02491	Nanoengineered Scaffolds with Functionalized Conjugates for Effective Management of Surgical Site Infections Caused by Drug-Resistant S. aureus in Oral and Maxillofacial Surgery	Dr Sivaraman Dhanasekaran	Pandit Deendayal Petroleum University
173	IIRPSG-2024-01-02509	Understanding the role of protein homeostasis in the pathogenicity of Candida glabrata and developing molecules that target this pathway	Prof Krishnaveni Mishra	University of Hyderabad
174	IIRPSG-2024-01-02518	Development and validation of a prediction model for personalized NOAC therapy in patients with thromboembolic events by integrating Pharmacogenomics and cost-effectiveness- A prospective Interventional study	Dr Vivek K Nambiar	Amrita Institute of Medical Sciences
175	IIRPSG-2024-01-02534	Potential stemness genes knockout through CRISPR-Cas9 technology in triple-negative breast cancer cells via multitasking nano-hybrids	Dr Virendra Gajbhiye	Agharkar Research Institute
176	IIRPSG-2024-01-02536	Development of non-toxic and potent antimicrobial peptides (AMPs) against drug resistant ESKAPE pathogens	Prof Jayanta Chatterjee	Indian Institute of Science (IISc)
177	IIRPSG-2024-01-02557	CRISPR/Cas9 approach targeting virulence and resistance genes of uropathogenic Escherichia coli-uncovering its therapeutic potential in urinary tract infection	Dr Sarita Mohapatra	All India Institute of Medical Sciences, Delhi
178	IIRPSG-2024-01-02559	Acute and Long-Term Impact of Head and Neck Cancer Treatment on Autonomic Function	Dr Smriti panda	All India Institute of Medical Sciences, Delhi
179	IIRPSG-2024-01-02573	A Multifunctional C-Dot Nanozyme-infused Dressing Prototype for Treating Diabetic Foot Ulcer	Prof Jayati Ray dutta	Birla Institute of Technology and Sciences-Pilani, Hyderabad Campus
180	IIRPSG-2024-01-02586	A Study to Assess the Disease Severity Among Scrub Typhus and Leptospirosis Patients Using Clinical, Immunological and Molecular Tools: A Case-Control Study	Prof Kavitha Saravu	Kasturba Medical College
181	IIRPSG-2024-01-02593	Development of functionalized co-loaded colloidal carrier for pulmonary targeting in battling lung fibrosis	Dr Sarika Wairkar	Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

182	IIRPSG-2024-01-02602	Delineating the regulatory role of Socs3 over Jak/Stat pathway in nanTiO2 exacerbated asthma pathophysiology through histone acetylation.	Dr Rohit Kumar Mishra	University of Allahabad
183	IIRPSG-2024-01-02609	Assessment of functional vision and role of therapy in children with Cortical visual impairment (CVI) and to evaluate the factors those may determine the outcome.	Dr Swati Phuljhele	All India Institute of Medical Sciences, Delhi
184	IIRPSG-2024-01-02611	Development of a phage selection methodology to enhance the efficacy of phage cocktails for therapeutic applications	Prof Kiran kondabagil	Indian Institute of Technology (IIT), Bombay
185	IIRPSG-2024-01-02633	Understanding the iron metabolism in the modulation of metabolic rewiring in cancer	Prof Sreedhar Amere subbarao	CSIR-Centre for Cellular Molecular Biology(CSIR-CCMB)
186	IIRPSG-2024-01-02638	Developing mechanism-based small molecule ferroptosis inducers in cervical cancer	Dr Dharmaraja Allimuthu	Indian Institute of Technology (IIT), Kanpur
187	IIRPSG-2024-01-02666	Targeting Inflammasome activation by Natural Compounds to attenuate Endothelial Dysfunction in Type 2 Diabetes	Dr Ramkumar Kunka mohanram	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
188	IIRPSG-2024-01-02690	A randomized controlled double-blind trial to evaluate the benefits of starting oral iron supplements in the first trimester, in reducing prevalence of anemia during pregnancy	Prof Molly Jacob	Christian Medical College, Tamil Nadu
189	IIRPSG-2024-01-02701	Pharmacological targeting of Adiponectin receptor in obesity-associated decline in energy metabolism and insulin sensitivity – Application in diabetes management	Dr Farina Sultan	CSIR-Indian Institute of Integrative Medicine(CSIR-IIIM)
190	IIRPSG-2024-01-02711	Harnessing the Drug Repurposing potential of LipoNor (Liposomal Norclomipramine) as a promising anti-leishmanial	Dr Somdeb Bosedasgupta	Indian Institute of Technology (IIT), West Bengal
191	IIRPSG-2024-01-02717	A novel approach to target fungal morphogenesis in the human fungal pathogen Candida albicans as a potential anti-fungal therapy against fungal sepsis	Dr Sriram Varahan	CSIR-Centre for Cellular Molecular Biology(CSIR-CCMB)
192	IIRPSG-2024-01-02735	Unraveling novel links between Oral health and Stroke risk through advanced biomarker and microbiological analysis for enhanced prevention - a prospective cohort study design	Dr Ankita Chugh	All India Institute of Medical Sciences, Jodhpur
193	IIRPSG-2024-01-02814	Deciphering the molecular processes underlying oxidative stress-induced ovarian reserve decline and identifying potential therapeutic strategies for impeding Premature Ovarian Ageing.	Dr Prasada rao Hanumanthu	National Institute of Animal Biotechnology
194	IIRPSG-2024-01-02823	Screening for Neurological Disease in Older Persons Using Mobile Phone Accelerometry	Dr A t prabhakar	Christian Medical College, Vellore
195	IIRPSG-2024-01-02826	Design of an omnidirectional Rectenna System for application in battery-less Smart Contact lenses for Biosensing Applications	Dr Shankar Bhattacharjee	Indian Institute of Information Technology, Nagpur
196	IIRPSG-2024-01-02828	Designing, development and evaluation of anti-thrombogenic factors loaded small diameter vascular graft with superior mechanical and biological properties for cardiovascular tissue reconstruction application	Dr Bhisham Narayan Singh	Manipal School of Life Sciences

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

197	IIRPSG-2024-01-02838	Strength Training as an Add-on to Standard Pharmacotherapy in Patients with Parkinson's Disease: A Randomized Controlled Biomarker Trial (SToP-PD)	Dr Supriyo Choudhury	Institute Of Neurosciences Kolkata
198	IIRPSG-2024-01-02841	Dual Use Peptide based Nanobiomaterial for Management of Acinetobacter baumannii	Dr Archana Chugh	Indian Institute of Technology Delhi, Delhi
199	IIRPSG-2024-01-02851	Development of AI stroke Screening tool by integrating multiplex Lateral Flow Biomarkers assay and clinical assessment at primary and secondary care levels.	Prof Binita Goswami	Maulana Azad Medical College & G B Pant Hospital
200	IIRPSG-2024-01-02862	Target-based design, synthesis and pre-clinical development of novel glial EAAT2 activators as potential candidates for Alzheimer's disease	Dr Justin A	JSS College of Pharmacy, Ooty
201	IIRPSG-2024-01-02872	Targeting downstream of tryptophan catabolism to overcome immune checkpoint blockade (ICB) resistance in oral squamous cell carcinomas.	Dr Soumya Ranjan Mohapatra	Kalinga Institute of Industrial Technology
202	IIRPSG-2024-01-02885	Restricted versus usual/Liberal maintenance fluid Strategy in mechanically ventilated Children: A Multicenter open-label randomized trial (ReLiSch-M trial).	Dr Suresh Kumar	Postgraduate Institute of Medical Education & Research
203	IIRPSG-2024-01-02893	Flexible Organic Light-Emitting Diode Bandages for Skin Cancer Treatment	Dr P. rajamalli	Indian Institute of Science (IISc)
204	IIRPSG-2024-01-02896	A comprehensive "multi-omics" based approach to identify clinically actionable genes and tear fluid-based biomarkers in early-onset keratoconus	Dr Ramkishor Sah	All India Institute of Medical Sciences, Delhi
205	IIRPSG-2024-01-02924	Polymeric nanomedicine mediated inhalation therapy to treat chronic obstructive pulmonary disease related inflammation	Dr Abhayraj Shrikrishna Joshi	Manipal Academy of Higher Education
206	IIRPSG-2024-01-02927	Mucopenetrating TWEAK decoy for local delivery in Emphysematic lungs (MUTE): Preclinical validation in Chronic obstructive pulmonary disease (COPD) model	Dr Baisakhi Moharana	CSIR-Central Drug Research Institute(CSIR-CDRI)
207	IIRPSG-2024-01-02933	Screening and validation of small molecule candidates for tuberculosis treatment: promoting host immune response through host-directed therapy.	Dr Aditya Kumar	Tezpur University
208	IIRPSG-2024-01-02944	D-SERPENT: Data-driven approaches to Snakebite: Epidemiology, Reporting, Phenotypes, Environmental factors, Inequalities, and Treatment duration.	Prof Jaideep Chanayil Menon	Amrita Institute of Medical Sciences
209	IIRPSG-2024-01-02993	Synchronizing In Vitro, In Vivo, And Pbpk Model Approach-Based Development Of Nanoemulsion Mediated Tideglusib Nose-To-Brain Delivery For Treatment Of Neonatal Hypoxic-Ischemic Brain Injury	Dr Hitendra S Mahajan	The Shirpur Education Private's R.C. Patel Institute of Pharmaceutical Education & Research
210	IIRPSG-2024-01-02994	Investigation of the roles and chemotherapeutic potential of the DNA-protein crosslink repair pathway of malaria parasites	Dr Puran Singh Sijwali	CSIR-Centre for Cellular Molecular Biology(CSIR-CCMB)
211	IIRPSG-2024-01-03000	Deciphering the role of Macrophage polarization to identify the molecular markers involved in the pathogenesis of Leptospirosis	Dr Syed Mohd Faisal	National Institute of Animal Biotechnology
212	IIRPSG-2024-01-03029	Beta cell-specific hybrid exosomes expressing immune checkpoint ligands: A novel cell-free, targeted approach for prevention of beta cell damage in type-1 diabetes	Dr Naresh Sachdeva	Postgraduate Institute of Medical Education & Research

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

213	IIRPSG-2024-01-03052	Rational design, chemical synthesis, and preclinical evaluation of novel derivatives of $\beta$ -sitosterol (natural anticancer agent) for the management of breast cancer.	Prof Sanghamitra Nayak	Shiksha-O- Anusandhan
214	IIRPSG-2024-01-03057	Surveillance of the Metal-induced Environmental Antimicrobial Resistome to Develop a Novel Indigenous MicroOrganism (IMO) based Antimicrobial Resistance Combat Strategy	Dr Paltu Kumar Dhal	Jadavpur University
215	IIRPSG-2024-01-03067	Dual functional COX-2 inhibiting and antimicrobial NSAID-peptidomimetic conjugates as novel therapy to tackle septic infections.	Prof Jayanta Haldar	Jawaharlal Nehru Centre for Advanced Scientific Research, Karnataka
216	IIRPSG-2024-01-03080	Sweep Monitoring of Antimicrobial Resistance Threats (SMART) in Animal-Human Interface Areas: One Health Approach	Dr S. parthiban	Madras Veterinary College
217	IIRPSG-2024-01-03085	Identifying druggable regulators of vascular alpha1D adrenergic receptor expression by proteomic analysis of genetically tagged $\alpha$ 1D-AR for therapeutic management of blood pressure	Dr Soumen Choudhury	U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa VigyanVishwaVidhyalaya Evem Go Anusandhan Sansthan
218	IIRPSG-2024-01-03090	Administration of live attenuated vaccines during corticosteroid therapy in a selected group of children with nephrotic syndrome is safe and immunogenic: An observational study.	Dr Georgie Mathew	Christian Medical College, Vellore
219	IIRPSG-2024-01-03103	Turning Trash to Treasure: Development of a scalable, clinical-grade therapeutic bacteriophage repository against multidrug-resistant human critical priority pathogens from sewage, hospital effluents, and riverine water	Dr Mallika Sengupta	All India Institute of Medical Sciences, Kalyani
220	IIRPSG-2024-01-03110	Dissecting molecular insights of early life oral exposure of Xenoestrogen Bisphenol-A on Choroid Plexus and Cerebrospinal Fluid (ChP-CSF) System in the Brain: Implication on Neurogenesis	Dr Rajnish Kumar Chaturvedi	CSIR-Indian Institute of Toxicology Research(CSIR-IITR)
221	IIRPSG-2024-01-03147	Study on the role of SLIT2-ROBO1 Signaling and epigenetic Regulation in Diabetic Foot Ulcer Progression and Wound Healing	Dr Ramkumar Kunka mohanram	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
222	IIRPSG-2024-01-03188	Inflammation resolution at old age: Exploring role of macrophage and microbiota	Dr Rashmi Kumar	CSIR-Institute of Microbial Technology(CSIR-IMTECH)
223	IIRPSG-2024-01-03205	An investigator-initiated randomized controlled trial of human recombinant platelet-derived growth factor in addition to urea cream for prevention of multikinase inhibitor-associated hand-foot skin reaction	Dr Atul Batra	All India Institute of Medical Sciences, Delhi
224	IIRPSG-2024-01-03223	Targeting CRL4Cdt2 complex as a Therapeutic prospect in Breast Cancers by Proteomics-based identification of its Regulators and Substrates.	Dr Shashi Kiran	University of Hyderabad
225	IIRPSG-2024-01-03232	Encapsulation of tubulin binding agent, Noscapinoids with PEG-PLGA-FA di-block to enhance circulation time, sustain release and delivery to breast tumor cells by targeting folate receptor	Prof Pradeep Kumar Naik	Sambalpur University
226	IIRPSG-2024-01-03247	1.Probiotic-Lactobacillus rhamnosus GG Supplementation on behavior, Quality of life and Gut microbiome composition among children with Autism Spectrum Disorder: A randomized Controlled Trial	Dr Murchana Khound	All India Institute of Medical Sciences, Guwahati

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

227	IIRPSG-2024-01-03318	Effectiveness of a multi-component intervention delivered through primary healthcare system to reduce irrational antimicrobial prescriptions in primary healthcare settings in district Panchkula, Haryana, North India.	Prof Madhu Gupta	Postgraduate Institute of Medical Education & Research
228	IIRPSG-2024-01-03338	A novel host-directed therapy for the prevention of bacterial meningitis and meningoencephalitis by enhancing the xenophagy mediated clearance of pathogenic bacteria.	Prof Ravi Manjithaya	Jawaharlal Nehru Centre for Advanced Scientific Research
229	IIRPSG-2024-01-03350	Improving Patient Reported Outcome and Care Experiences along the Cancer Care Continuum through 'Community-Oriented Model of Patient Navigation System (COMPASS)': A Hybrid II Implementation Study	Dr Mahalakshmy thulasingam	Jawaharlal Institute of Postgraduate Medical Education & Research
230	IIRPSG-2024-01-03356	Crosstalk between miR-27a and Netrin-1 in the onset and progression of diabetic peripheral neuropathy.	Dr Somnath Naskar	Institute of Postgraduate Medical Education & Research
231	IIRPSG-2024-01-03358	Development and validation of novel Candida Leucine aminopeptidase 2 based immunoassay for the diagnosis and prognosis of invasive candidiasis among patients with cirrhosis	Dr Nipun Verma	Postgraduate Institute of Medical Education & Research
232	IIRPSG-2024-01-03376	Enzyme/Nanoparticle-based hybrid nanozyme: Utilizing a cascade of pro-oxidant enzyme-mimetic activities of hybrid nanozyme for elimination of antibiotic resistant bacterial infection.	Dr Sanjay Singh	National Institute of Animal Biotechnology, Telangana
233	IIRPSG-2024-01-03377	Combinatorial effects of iron and cerium oxide nanocomposites and erythropoiesis-stimulating agent for the treatment of iron deficiency and eryptosis in anaemia.	Dr Sanjay Singh	National Institute of Animal Biotechnology, Telangana
234	IIRPSG-2024-01-03390	Decoding patho-mechanisms underlying vascular defects in ACDC disease using vascular organoids developed from patient-derived iPSCs	Prof Jyothi Prasanna	Manipal Institute of Regenerative Medicine
235	IIRPSG-2024-01-03423	Development of an indigenous AI-assisted computer aided system for automated detection and grading of colorectal cancer severity using H and E-stained histopathological imaging	Dr Deep Gupta	Visvesvaraya National Institute of Technology
236	IIRPSG-2024-01-03437	Generation, characterization and differentiation of induced pluripotent stem cells into motor neurons from Spinal Muscular Atrophy prenatal samples – Recapitulating the disease in the dish	Dr Dr amita	All India Institute of Medical Sciences, Delhi
237	IIRPSG-2024-01-03444	Unravelling Antinuclear antibody (ANA) Positivity and Gut Microbiome Correlation in North East India- A multicentric study	Dr Deepjyoti Kalita	All India Institute of Medical Sciences, Guwahati
238	IIRPSG-2024-01-03451	Interventions in improving patient's outcomes with multimorbidity in primary health care setting in India	Dr Balaji Gummidi	The George Institute for Global Health
239	IIRPSG-2024-01-03472	Development of point of care cytology screening tool for Oral potentially malignant disorders and Oral squamous cell carcinoma using Deep learning Convolutional Neural Network	Dr Preethi Narendra Sharma	Datta Meghe Institute of Medical Sciences
240	IIRPSG-2024-01-03485	Ocular Macrophage Migration Inhibitory Factor-based stratification and prognostication of patients with vision threatening ocular inflammatory conditions	Prof Rathinam Sivakumar	Aravind Medical Research Foundation
241	IIRPSG-2024-01-03493	Study of Cerebrospinal Fluid (CSF) and Blood Autoinflammatory Markers as Potential Diagnostic Biomarkers in Immune -Mediated Optic Neuropathies	Dr Karthik Vinay Mahesh	Postgraduate Institute of Medical Education & Research



**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

242	IIRPSG-2024-01-03511	Exploring the Impact of a new Endogenous Protein-Derived Peptides on Restoring Tumor Suppressors p53 and pRB in Cervical Cancer	Dr Riyaz Ahmad Mir	All India Institute of Medical Sciences, Delhi
243	IIRPSG-2024-01-03524	Development of Artificially Intelligent tool for analysis and prediction of myopia progression among school going children	Dr Priti Singh	All India Institute of Medical Sciences, Bhopal
244	IIRPSG-2024-01-03528	Generation of novel tau immunotherapy and investigation of its function in averting neurodegeneration and dementia through preclinical models.	Dr Sivaprakasam Ramamoorthy	Centre for Brain Research
245	IIRPSG-2024-01-03533	Utility of post-ictal diffuse tensor imaging (DTI) as a non-invasive tool in the localization of epileptic networks	Dr Viswanathan Ig	National Institute of Mental Health and Neurosciences
246	IIRPSG-2024-01-03547	Targeting Nav1.7 channels for the treatment of chronic pain	Dr Aravind Singh Kshatri	CSIR-Central Drug Research Institute(CSIR-CDRI)
247	IIRPSG-2024-01-03552	Developing a Community-Based Model for the Adoption of Sustainable Menstrual Products among Adolescent Girls: A Two-Phase Interventional Feasibility Study	Dr Rekha Dutt	All India Institute of Medical Sciences Kalyani
248	IIRPSG-2024-01-03588	Fabrication of an enhanced cutting rate and tissue injuries mitigated vitrectomy device and its performance assessment	Prof Karali Patra	Indian Institute of Technology (IIT), Patna
249	IIRPSG-2024-01-03589	A preclinical exploratory study in mice to aid the identification of novel molecular marker panel related to chronic stress-associated hippocampal and vascular alterations in depression	Dr Athira K V	Amrita Institute of Medical Sciences
250	IIRPSG-2024-01-03595	Rational Designing and Engineering of fluorescent, Specifically Targeted Antimicrobial Peptides (STAMPs) and evaluation of their antifungal, anti-virulence and antibiofilm potential against drug Resistant Fungal Pathogens.	Dr Tulika Prasad	Jawaharlal Nehru University
251	IIRPSG-2024-01-03610	Leveraging Diet and Modifiable Risk Factors to combat Metabolic Syndrome (MetS): Multi-omics Mechanistic approach to Validate Calorie Restriction Mimetics (CRMs) for Pharmacological and Nutritional interventions	Prof Pr deepa	Birla Institute Of Technology And Science, Pilani
252	IIRPSG-2024-01-03612	Randomized Trial of Thalidomide and Infliximab in Paradoxical Worsening in Patients of Tuberculous Meningitis (TBM): A Clinical, Radiological and Biomarker Based Study	Prof Manish Modi	Postgraduate Institute of Medical Education & Research
253	IIRPSG-2024-01-03613	Tailoring bioactive nano-constituent embedded fish waste-derived collagen/polycaprolactone nanofiber to promote rapid hemostasis in the management of traumatic conditions	Dr Bapi Gorain	Birla Institute of Technology
254	IIRPSG-2024-01-03616	Investigation the role of Ubiquitously Transcribed Tetratricopeptide Repeat Containing, Y-Linked (UTY) in stemness of oral cancer cells	Dr Manish Kumar	All India Institute of Medical Sciences, Jammu
255	IIRPSG-2024-01-03638	Implementing Communication Strategies to Improve the Quality of Life of Cancer Survivors and Caregivers.	Dr Abhishek Shankar	All India Institute of Medical Sciences, Delhi
256	IIRPSG-2024-01-03694	Single blind randomized clinical trial on 4 weeks versus 6 weeks antibiotic therapy in the management of non-surgically treated diabetic foot osteomyelitis.	Dr Amritava Ghosh	All India Institute of Medical Sciences, Raipur
257	IIRPSG-2024-01-03707	Genetic Signatures of Cisplatin-Induced Hearing Loss in Pediatric Cancer Survivors	Dr Vishesh Jain	All India Institute of Medical Sciences, Delhi
258	IIRPSG-2024-01-03725	Epidemiological and Molecular Insights into the Estrogen-Molecular Chaperone Axis in Cataract Prevalence and Progression in Menopausal Women	Dr Siddharth Narendran	Aravind Medical Research Foundation

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

259	IIRPSG-2024-01-03726	Efficacy and safety of addition of Low-dose Colchicine in Takayasu arteritis with persistent systemic inflammation: a multi-institutional Randomised controlled trial	Dr Ruchika Goel	Christian Medical College, Vellore
260	IIRPSG-2024-01-03727	Machine Learning, Structure-Based Drug Design and In-vitro approach to Identify Potential Anticancer Compounds Targeting Drug Resistant $\beta$ III Tubulin Isotype of Breast Cancer.	Dr Bajarang Vasant Kumbhar	SVKM's NMIMS
261	IIRPSG-2024-01-03728	Elucidating the molecular mechanisms of bone related changes in haemophilia and other coagulation disorders	Dr Aby Abraham	Christian Medical College, Vellore
262	IIRPSG-2024-01-03744	A Mixed Method Approach to Situational Assessment of Human Milk Banking, its facilitating factors and challenges from a multi-stakeholder perspective in India	Dr Mathavaswami Vijayageetha	All India Institute of Medical Sciences, Nagpur
263	IIRPSG-2024-01-03790	Exosomal derived regulatory noncoding RNAs as diagnostic markers in Diabetic Retinopathy	Dr Raji Rajesh Lenin	SRM Insitute of Science and Technology
264	IIRPSG-2024-01-03801	High-Precision Synthetic Diamond Instrumentation for Minimally Invasive Neurosurgery	Prof Ashish Suri	All India Institute of Medical Sciences, Delhi
265	IIRPSG-2024-01-03827	Development of Antibacterial Bionanozyme-Infused Hydrogels for Enhanced Wound Healing	Dr Pandeewar Makam	Indian Institute of Technology (Banaras Hindu University)
266	IIRPSG-2024-01-03842	Synthesis of Insulin Analogues for the Treatment of Diabetes Mellitus	Dr Bani Kanta Sarma	Jawaharlal Nehru Centre for Advanced Scientific Research
267	IIRPSG-2024-01-03845	Characterisation of Novel anti-BCMA Antibody Drug Conjugate as an Immunotherapeutic Agent for Multiple Myeloma.	Dr Mayank Singh	All India Institute of Medical Sciences, Delhi
268	IIRPSG-2024-01-03895	Accelerated diagnostics of antibiotic resistance in gram-negative urinary tract infections using bioimaging tools	Dr Akash Gulyani	University of Hyderabad
269	IIRPSG-2024-01-03898	Fabrication of artificial intelligence-enabled 2D-MXenes based label-free electrochemical immunosensor for detection of CA15-3, a novel biomarker for breast cancer.	Dr Rinky Sha	Indian Institute of Information Technology, Kalyani
270	IIRPSG-2024-01-03909	Combating multidrug resistant Tuberculosis by differential diagnostics using a multiplex point-of-care nucleic acid biosensor platform	Prof V raghavendra sai V	Indian Institute of Technology (IIT), Madras
271	IIRPSG-2024-01-03916	Development of artificial Intelligence-guided predictive model and evaluating its efficacy in comparison to conventional methods to detect ovarian cancer in patients with ovarian mass	Dr Suchitra Kumari	All India Institute of Medical Sciences, Bhubaneswar
272	IIRPSG-2024-01-03926	Effectiveness of nurse-delivered WHO Caregiver Skill Training Program compared to Treatment as Usual in Autism Spectrum Disorder children: A randomised controlled trial.	Dr Suravi Patra	All India Institute of Medical Sciences, Bhubaneswar
273	IIRPSG-2024-01-03940	"Reversing g6pd deficiency phenotype prevalent in India through drug like small molecule for malaria elimination"	Dr Shailja Singh	Jawaharlal Nehru University
274	IIRPSG-2024-01-03965	Tailored Peptide Therapy: Design, Synthesis, Delivery, and Pharmacological Assessment of Hybrid Peptides Targeting Heart Failure and Cardiac Remodeling	Prof Arti Dhar	Birla Institute of Technology and Sciences-Pilani, Hyderabad Campus

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

275	IIRPSG-2024-01-03966	Designing novel lipid nanoparticles via high throughput screening using Click chemistry for mRNA delivery.	Prof Mrinmoy De	Indian Institute of Science (IISc)
276	IIRPSG-2024-01-03974	Feasibility of optometrist-driven, artificial intelligence-based universal eye screening of healthy late preterm and term neonates	Dr Rajendra prasad Anne	Kasturba Medical College
277	IIRPSG-2024-01-03989	Exploring Leptospiral OMPs as potential immunogenic adhesins for improved diagnosis and understanding of Leptospirosis pathogenesis.	Dr Ravikumar Sambandam	Aarupadai Veedu Medical College
278	IIRPSG-2024-01-04003	Evaluation of Micro-nutrient Deficiency and Utilization of Nutritional Interventions Programs among Adolescents in Maharashtra.	Dr Jayant Rajaram Pawar	Krishna Institute of Medical Sciences
279	IIRPSG-2024-01-04037	Effects of Irisin preconditioned Mesenchymal stem cells therapy on mitochondrial dysfunction mediated cognitive deficits in Hippocampus of Alzheimer's disease rat model	Dr Ritesh Kumar Netam	All India Institute of Medical Sciences, Delhi
280	IIRPSG-2024-01-04064	Development of molecular signatures in periampullary cancer using multi-omics and bioinformatic approach	Prof Sundeep Singh Saluja	Maulana Azad Medical College & G B Pant Hospital
281	IIRPSG-2024-01-04067	Genetic variants and their impact on type 1 diabetes susceptibility and clinical characteristics in paediatric populations in South India – a multicentric study.	Prof Sridevi A Naaraayan	Madras Medical College
282	IIRPSG-2024-01-04069	Studies on fecal metagenomics to identify biomarkers with response to breast and complementary feeding in infants of tribal population from Arunachal Pradesh	Dr Indu Sharma	Assam University
283	IIRPSG-2024-01-04105	Assisting dermatologists with a chat-based multimodal transformer model fine-tuned on dermatology images for prescription suggestion and evaluating patient satisfaction.	Dr Siddharth Bhatt	Institute of Navel Medicine (INHS)
284	IIRPSG-2024-01-04108	Targeting neuroendocrine cellular plasticity as a strategy to overcome chemoresistance in Breast cancer	Dr Nathiya Muthalagu	Indian Institute of Technology (IIT), Madras
285	IIRPSG-2024-01-04116	Investigating Mechanical and Biological Properties of Injectable Calcium Magnesium Phosphate Cement Reinforced by Addition of Mg Alloy-Based Fine Wires	Dr Sudip Dasgupta	National Institute of Technology, Rourkela
286	IIRPSG-2024-01-04136	Optimization of dosing of Piperacillin-Tazobactam and Meropenem using population pharmacokinetic modeling in critically ill Indian children undergoing PIKRT and CKRT	Dr Swathi Kiran Shiri	Christian Medical College, Vellore
287	IIRPSG-2024-01-04147	An endoscopic ultrasound image-based Prediction and Risk Observation System for chronic Pancreatitis Evaluation using Convolutional neural network Technique (PROSPECT)	Dr Kamal Kishore	Postgraduate Institute of Medical Education & Research
288	IIRPSG-2024-01-04154	Artificial Intelligence-Driven Chronic Pain Management with Mobile App Integration for Empowering Primary Healthcare Physicians	Dr Sujeet Kumar Singh Gautam	Sanjay Gandhi Postgraduate Institute of Medical Sciences
289	IIRPSG-2024-01-04170	Development of a Novel Probiotic Formulated Feminine Hygiene Wash to Combat Urinary Tract Infections (UTI's)	Dr Saisubramanian Nagarajan	Shanmugha Arts Science Technology & Research Academy (SASTRA)
290	IIRPSG-2024-01-04205	Development of a scalable, low-cost laser-induced graphene-based sensor for antimicrobial susceptibility testing	Dr Kalpana settu	Indian Institute of Information Technology, Design and Manufacturing Kancheepuram

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

291	IIRPSG-2024-01-04219	A multi-centric, multi-arm, superiority randomised controlled trial of systemic chemotherapy for non-metastatic, extraocular retinoblastoma (MaSTER-Retinoblastoma study).	Dr Srinivasan P p	Postgraduate Institute of Medical Education & Research
292	IIRPSG-2024-01-04238	Efficacy of standard care Vs non-dialysis day bicarbonate supplementation on steady correction of metabolic acidosis in Indian CKD patients and clinical outcomes: a multicentric study	Dr Smita Subhash Divyaveer	Postgraduate Institute of Medical Education & Research
293	IIRPSG-2024-01-04247	Anti-nephrin antibodies in pediatric nephrotic syndrome: Implications for diagnosis and therapy	Dr Aditi Sinha	All India Institute of Medical Sciences, Delhi
294	IIRPSG-2024-01-04276	Physiological Postnatal Weight Loss Nomograms in Exclusively Breastfed Healthy Term Infants: A Multi-Centric Prospective Cohort Study	Dr Neeraj Gupta	All India Institute of Medical Sciences, Jodhpur
295	IIRPSG-2024-01-04282	“Developing TRIMs and associated co-expressed genes panel in Tumor educated monocytes (TEMo) of breast cancer patients for monitoring progression and response to therapies”	Prof Gaurav Agarwal	Sanjay Gandhi Postgraduate Institute of Medical Sciences
296	IIRPSG-2024-01-04286	Elucidating the therapeutic efficacy of Chrysin nanoparticles in Polycystic ovary syndrome (PCOS) rat model	Dr Indu Sharma	Panjab University
297	IIRPSG-2024-01-04287	Developing novel therapeutic antibody formulation against breast cancer for the Indian population.	Dr Gunjan Mandal	Institute of Life Sciences
298	IIRPSG-2024-01-04335	Assessment of insecticide resistance and mechanism(s) in vectors of dengue in Mizoram, NE India, and evaluation of entomopathogenic bacteria, Photorhabdus and Xenorhabdus, for vector control	Dr Vanramliana	Pachhunga University College
299	IIRPSG-2024-01-04387	Effect of Pancreatic Enzyme Supplementation on 90-days hospital free alive days in patients with Acute Necrotizing Pancreatitis (ANP): A multicenter double blinded placebo-controlled randomized Trial	Dr Sudipta Dhar Chowdhury	Christian Medical College, Vellore
300	IIRPSG-2024-01-04393	Unravelling the role of Lamin/Emerin mutations associated with laminopathies in regulation of 3D genome organisation	Dr Mohd Altaf Bhat	University of Kashmir
301	IIRPSG-2024-01-04411	Artificial Intelligence Assisted Ultrasound-guided Surgery of Non-palpable Breast Cancer and Therapy (AASTHA)	Dr Subhamoy Mandal	Indian Institute of Technology (IIT), West Bengal
302	IIRPSG-2024-01-04443	Lead optimization of identified Coumarin and Indazoline anti-TB Scaffolds targeting Drug-Resistant and Latent Tuberculosis	Dr Rashmi Sharma	CSIR-Indian Institute of Integrative Medicine (CSIR-IIIM)
303	IIRPSG-2024-01-04453	Development and Biological Evaluation of Microbial Cocktail Formulation Targeting Gut Microbiota for the Treatment of Neuropathic Pain	Dr Vinod Tiwari	Indian Institute of Technology (Banaras Hindu University)
304	IIRPSG-2024-01-04458	Investigating the role of NOTUM, WNT signalling antagonist, in the diagnosis and progression of colorectal cancer	Dr Jalaj Gupta	Sanjay Gandhi Postgraduate Institute of Medical Sciences
305	IIRPSG-2024-01-04472	Investigating Psychrophilic, Psychrotrophic, and Thiomersal-Resistant Bacteria in a Pharmaceutical Facility	Dr Rajesh Kumar	Central Research Institute

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

306	IIRPSG-2024-01-04481	Development of Microneedle Array Patch Based Haemophilus Influenza Type-B (Hib) Vaccine Delivery System for Improved Logistics and Better Patient Compliance	Prof Buchinaidu Nalluri	Koneru Lakshmaiah Education Foundation (Deemed to be University)
307	IIRPSG-2024-01-04552	Rational Design, Synthesis, and Biological Evaluation of Kinase Inhibitors against breast, liver and oral cancers	Dr Surender singh Jadav	CSIR-Indian Institute of Chemical Technology(CSIR-IICT)
308	IIRPSG-2024-01-04577	Investigation of pathophysiology and therapeutic screening in patient-derived cell-based model of Spinocerebellar Ataxia 12: An Indian Disease	Dr Hrishikesh Kumar	INSTITUTE OF NEUROSCIENCES KOLKATA
309	IIRPSG-2024-01-04590	SonoSpeech: Towards Wearable Ultrasound-based Assessment of Speech Disorders	Dr Sahiini Lemaina veikho	Indian Institute of Technology, Delhi
310	IIRPSG-2024-01-04614	Development of a multidimensional Scale and Psychological Intervention Module for Antenatal Registered Pregnant Women with Domestic Violence and Psychological Trauma: A Randomized Control Trial	Dr Anand pratap singh	Gautam Buddha University
311	IIRPSG-2024-01-04630	Human Platelet Lysate Hydrogels as Therapy for Angiogenesis and Liver Regeneration	Dr Ashish Maheshwari	Institute of Liver and Biliary Sciences
312	IIRPSG-2024-01-04662	Integrative and Functional Analysis of Aqueous Humor- Derived Exosomes on Primary Glaucoma	Dr Suneeta Dubey	Dr. Shroff's Charity Eye Hospital
313	IIRPSG-2024-01-04707	Elastic Insight: Advancing Early Diagnosis of Osteosarcoma, Chondrosarcoma and Ewing's through high resolution 3D Automated Optical Coherence Elastography	Dr Vishal Srivastava	Thapar Institute of Engineering & Technology, Punjab
314	IIRPSG-2024-01-04709	Augmented intelligent clinical support systems to aid decision-making for pregnancy outcomes after In-Vitro Fertilisation or Intracytoplasmic sperm injection	Prof Dr. Neena Malhotra	All India Institute of Medical Sciences, Delhi
315	IIRPSG-2024-01-04753	Epigenetic markers for predicting reverse cardiac remodeling in dilated cardiomyopathy (DCM)	Prof Dr Harikrishnan S	Sree Chitra Tirunal Institute for Medical Sciences and Technology
316	IIRPSG-2024-01-04755	Screening and evaluation of natural cyclin-dependent kinase (CDK)-5 inhibitors in Chlorpyrifos-associated dementia in ageing and elderly population.	Dr Debapriya Garabadu	Central University of Punjab
317	IIRPSG-2024-01-04787	Development of a rapid, non-invasive, point-of-care biosensor to detect drug resistance status in TB affected population	Dr Somdeb Bosedasgupta	Indian Institute of Technology (IIT), West Bengal
318	IIRPSG-2024-01-04795	Cell-Free Fetal DNA Based Non-Invasive Prenatal Diagnosis for beta-Thalassemia	Prof Reena Das	Postgraduate Institute of Medical Education & Research
319	IIRPSG-2024-01-04797	Identification of clinical and immunological subtypes and exploring the role of type 1 interferon and adaptive immunity in Juvenile Dermatomyositis: A multicentric Study from India	Dr Vignesh P	Postgraduate Institute of Medical Education & Research

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

320	IIRPSG-2024-01-04801	Enhancing therapeutic outcomes in Asthma through Tryptophan Microbiome Metabolites mediated immune modulation via NF- $\kappa$ B/AhR pathway.	Dr Reena rajkumari Baskaran	Vellore Institute of Technology
321	IIRPSG-2024-01-04802	Magnetron plasma-controlled Ag-doped tricalcium phosphate films for testing antimicrobial efficacy for orthopaedic implants	Prof Bibhuti bhusan Sahu	Indian Institute of Technology Delhi
322	IIRPSG-2024-01-04829	Leveraging whole exome sequencing and circulating microRNA profiling to identify causal variants/correlates linked to type 1 diabetes and celiac disease	Dr Gaurav Sharma	Postgraduate Institute of Medical Education & Research
323	IIRPSG-2024-01-04834	Stereotactic body radiation therapy for the treatment of scar related recurrent ventricular tachycardias	Dr Parag W Barwad	Postgraduate Institute of Medical Education & Research
324	IIRPSG-2024-01-04852	Revisiting the BCS Class II and IV drug formulations to improvise the solubility and onset of action	Prof Sanjib Senapati	Indian Institute of Technology (IIT), Madras
325	IIRPSG-2024-01-04876	Development of a nanostructured graphene oxide/polydopamine coated nano-biosensor monitoring GPC1 for the early diagnosis of pancreatic cancer	Dr Abha Mishra	Indian Institute of Technology (Banaras Hindu University)
326	IIRPSG-2024-01-04886	Rational design, synthesis and evaluation of novel nitrogen-bearing heterocyclic hybrids as allosteric SH-2 domain-containing protein tyrosine phosphatase-2 inhibitors for cancer therapy	Dr Senthil raja Ayyannan	Indian Institute of Technology (Banaras Hindu University)
327	IIRPSG-2024-01-04900	Development and Validation of Database Management system for Newborn Hearing Screening	Dr Rohit ravi	Kasturba Medical College
328	IIRPSG-2024-01-04909	Thalidomide as treatment of basal exudates in Tuberculous Meningitis: A prospective randomized open blinded endpoint (PROBE) study.	Dr Rajesh Kumar Singh	All India Institute of Medical Sciences, Delhi
329	IIRPSG-2024-01-04915	Genomics for preventing misdiagnosis and mismanagement of Idiopathic Hypoparathyroidism, a rare endocrine disorder	Prof Ravinder Goswami	All India Institute of Medical Sciences, Delhi
330	IIRPSG-2024-01-04944	: A Novel Artificial Intelligence Based Technique for Early Detection of Oral Cancers using Narrow Banding Imaging	Dr Debangshu Ghosh	All India Institute of Medical Sciences, Kalyani
331	IIRPSG-2024-01-04960	Design, Computational studies and Synthesis of novel pyrazole derivatives as propitious agents and evaluating their biological efficacy against breast cancer.	Prof Asif husain	Jamia Hamdard
332	IIRPSG-2024-01-04967	Atorvastatin-loaded chitosan nanoparticles-impregnated buccal films for the management of oral carcinoma	Dr Saurabh Srivastava	National Institute of Pharmaceutical Education And Research (NIPER), Hyderabad
333	IIRPSG-2024-01-04990	Establishment of Pancreaticobiliary cancer derived organoids for identifying driver mutations and pathways for personalized medicine	Dr Ragini Kilambi	Institute of Liver and Biliary Sciences
334	IIRPSG-2024-01-04994	Smart Sensor-Based Responsive Mattress for Offloading and Treating Pressure Ulcers	Dr Joseph Thomas	Kasturba Medical College

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

335	IIRPSG-2024-01-05000	A novel immunomodulatory hydrogel to prevent rejection of allogeneic mesenchymal stem cells in the heart	Prof Varsha Wasudeorao Wankhade	Savitribai Phule Pune University, Maharashtra
336	IIRPSG-2024-01-05022	Netrin-1 Centric Precision Therapy for Cervical Cancer Treatment by Integrating Computer Modelling, Experimental Methods, and Nanoformulation with Protein-ligand Interactions.	Dr Deepika Sharma	Institute of Nano Science and Technology
337	IIRPSG-2024-01-05026	Exploring the efficacy of Intermittent fasting with Time Restricted Eating (TRE) on survival in Gynecological cancers: a Phase II Randomized study.	Dr Raja Pramanik	All India Institute of Medical Sciences, Delhi
338	IIRPSG-2024-01-05035	STeroid therapy in patients with Acute severe pancreatitis for Resolution of organ failure: A randomized, double blind, placebo controlled multi-centric trial (STAR trial)	Dr Soumya Jagannath Mahapatra	All India Institute of Medical Sciences, Delhi
339	IIRPSG-2024-01-05076	Role of sFLT-1 and PlGF in the prediction of adverse pregnancy outcome in twin gestation	Prof Manisha Kumar	Lady Hardinge Medical College
340	IIRPSG-2024-01-05078	Development of a Generative Artificial Intelligence based Motivational Interviewing Application (GenAIMI)	Dr Lekhansh Shukla	National Institute of Mental Health and Neurosciences
341	IIRPSG-2024-01-05084	Feasibility of screening and managing the post tuberculosis obstructive and restrictive cases at the peripheral health facilities: A system change approach.	Dr Subodh Kumar	All India Institute of Medical Sciences, Gorakhpur
342	IIRPSG-2024-01-05089	Intrinsic subtyping using high throughput quantitative gene expression profiling and SERS based approach to predict pathological complete response in triple-negative breast cancer patients (TNBC)	Prof Arvind Krishnamurthy	Cancer Institute (WIA)
343	IIRPSG-2024-01-05148	Developing Artificial Intelligence Algorithm by Combining Radiomics using Diffusion Tensor Imaging with Molecular Biomarker in Infantile Spasm to Detect Treatment Response	Prof Sameer Vyas	Postgraduate Institute of Medical Education & Research
344	IIRPSG-2024-01-05234	A prospective study to understand the clinical efficacy, safety, and molecular mechanisms of thalidomide-induced erythropoiesis in patients with non-transfusion dependent thalassemia (NTDT).	Dr Biju George	Christian Medical College, Vellore
345	IIRPSG-2024-01-05235	Design of cysteine-knotted GLP-1R agonists as therapeutics for type 2 diabetes	Prof Gaurav Goel	Indian Institute of Technology ,Delhi
346	IIRPSG-2024-01-05267	Analysis of TREM2 variants associated with AD in Indian cohorts and functional assessment of Phagocytic efficiency, Inflammatory signalling and Metabolic switch in iPSC derived microglia	Dr Srinivas Gopala	Sree Chitra Tirunal Institute for Medical Sciences and Technology
347	IIRPSG-2024-01-05271	Generation of hepatocellular carcinoma reactive designer T cells based on induced pluripotent stem cells.	Prof Rizwanul Haque	Central University of South Bihar
348	IIRPSG-2024-01-05280	Process Development and Lead Optimization of a New Class of "In-House-Developed" Histidinal-Based Potent Anti-Malarial Agents	Prof Gangadhar J Sanjayan	CSIR-National Chemical Laboratory(CSIR-NCL)
349	IIRPSG-2024-01-05302	'Time toxicity' of patients with advanced malignancies receiving palliative intravenous systemic therapy - a multicenter observational study (GiveMeTIME)	Dr Sharada Mailankody	Kasturba Medical College

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

350	IIRPSG-2024-01-05316	A Whole School Strategy Addressing Digital Stress Associated with Social Media Use among Adolescents and Teachers delivered through Ayushman Bharat's School Health and Wellness Program	Prof Madhu Gupta	Postgraduate Institute of Medical Education & Research
351	IIRPSG-2024-01-05326	Design and development of pyrimidine based pharmacological chaperones with higher affinity for phenylalanine hydroxylase: Search of potential drug candidate for Phenylketonuria (PKU)	Dr Abhijeet Kumar	Mahatma Gandhi Central University
352	IIRPSG-2024-01-05333	Unveiling the Risks: Mapping the Risk Behavior and assessment of key population using virtual space to access high risk behavior	Mr Rajiv Dua	India HIV/ AIDS Alliance
353	IIRPSG-2024-01-05343	Behavioural interventions using m-Health for adherence to Iron Folic Acid Supplementation and dietary improvements among adolescent girls residing in North East Delhi	Dr Nidhi Bhatnagar	Maulana Azad Medical College & G B Pant Hospital
354	IIRPSG-2024-01-05389	Exploring role of perceptions and health risk communication in Heat Health Adaptation: A mixed methods study among construction workers, manual laborers, and street vendors.	Dr Ritu Parchure	PRAYAS
355	IIRPSG-2024-01-05428	Interinstitutional multicentric development research of 'SutureSure™', an Automated Suturing Device for minimally invasive surgery (MIS), encompassing advanced product development, testing, and clinical validation studies.	Prof Parag Bhargava	Indian Institute of Technology (IIT), Bombay
356	IIRPSG-2024-01-05440	Model exploring determinants of climate change risk perception influencing health and wellbeing across communities	Prof Ravichandra Karkal	Yenepoya (Deemed to be University)
357	IIRPSG-2024-01-05491	Exploring T cell responses in active, latent, recurrent, and cleared TB infections: Advancing our understanding of TB recurrence.	Dr Kg murugavel	YRG Centre for AIDS Research and Education
358	IIRPSG-2024-01-05510	Bioengineered dendritic polyglycerol based thermoresponsive microsheets for neural tissue transplantation in Parkinson's disease	Dr Rajesh Anantha Sheno	Interuniversity Centre For Biomedical Research And Superspeciality Hospital
359	IIRPSG-2024-01-05518	To study the impact of oral administration of lactoferrin in post refractive surgery dry eye	Prof Namrata Sharma	All India Institute of Medical Sciences, Delhi
360	IIRPSG-2024-01-05530	FEASIBILITY AND IMPACT OF IMPLEMENTING ICOPE STRUCTURED MODULE THROUGH THE FEMALE HEALTH VOLUNTEERS "MAKKALAI THEDI MARUTHUVAM" ON ELDERLY IN TAMILNADU	Dr Sabu augustine	All India Institute of Medical Sciences, Madurai
361	IIRPSG-2024-01-05531	Targeted RNase H-mediated extraction of crosslinked RNA binding proteins (TRES) approach in delineating post-transcriptional control of adipogenesis in Thyroid Eye Disease	Dr Sharada Ramasubramanyan	Vision research foundation
362	IIRPSG-2024-01-05539	Quantitative signatures of circulating small non-coding RNAs for diagnosis of pulmonary tuberculosis and latent TB infection	Dr Asif mohammed	International Centre for Genetic Engineering and Biotechnology
363	IIRPSG-2024-01-05571	Establishing Reference Intervals of Transgenders in the Kerala population	Dr Nisha Bhavani	Amrita Institute of Medical Sciences, Kerala
364	IIRPSG-2024-01-05596	Developing a Framework to Design and In Vitro Validation of Drug-like Small Molecule Inhibitors for RNA Targets in Sexually Transmitted Diseases	Dr Jeetender chugh Chugh	Indian Institute of Science Education and Research (IISER)
365	IIRPSG-2024-01-05627	Genetic Clockwork: Deciphering Circadian Rhythm-Associated Genes variations in Shift Workers and the effects of Interventions across Metabolic Syndrome Groups	Dr Saurabh Srivastava	Government Institute of Medical Sciences



**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

366	IIRPSG-2024-01-05643	Designing of RNA structure-guided antisense oligonucleotides to rescue SMN2 splicing for developing an indigenous therapy against spinal muscular atrophy	Dr Kaushik Saha	SRM University
367	IIRPSG-2024-01-05664	Development of cell-free DNA-based diagnostic protocol for liquid biopsy in alcohol-induced neurological disorders.	Dr Monojit Debnath	National Institute of Mental Health and Neurosciences
368	IIRPSG-2024-01-05756	A multimodal, adaptive, intervention to prevent perioperative infection and reduce morbidity and mortality: a stepped-wedge cluster RCT (The Modified Clean Cut Trial)	Prof Amit Mahajan	Christian Medical College, Ludhiana
369	IIRPSG-2024-01-05757	To develop a novel storage medium to enhance the viability of periodontal ligament fibroblasts for enabling autologous reimplantation of avulsed permanent teeth	Dr Amrita Chawla	All India Institute of Medical Sciences, Delhi
370	IIRPSG-2024-01-05763	Development and characterization of a novel silk fibroin-based hydrogel loaded with recombinant human parathormone for osseous regeneration and evaluation of its efficacy in murine models	Dr Greeshma c	M.S. Ramaiah University of Applied Sciences
371	IIRPSG-2024-01-05769	Sealing the intestinal epithelial barrier in Enteropathogenic E. coli infections: Exploring the role of Rab GTPases as potential therapeutic targets.	Dr Saima Aijaz	Jawaharlal Nehru University
372	IIRPSG-2024-01-05785	Is empirical antibiotics necessary for Community-based management of Severe Acute Malnutrition (CSAM) in children. Can single-dose Azithromycin replace one-week Amoxicillin for CSAM: Randomized-Control trial	Dr Gomathi Ramaswamy	All India Institute of Medical Sciences, Bibinagar
373	IIRPSG-2024-01-05793	Development of a Minimally-Invasive Multi-analyte Diagnostic platform for the early detection of Mycobacterium leprae (MMDx-ML platform).	Dr Sagarika Haldar	Postgraduate Institute of Medical Education & Research
374	IIRPSG-2024-01-05806	Development of new recombinant polyvalent antivenom targeting multifunctional toxins of the 'big four' Indian snakes.	Dr Anurag Sankhyan	All India Institute of Medical Sciences, Bilaspur
375	IIRPSG-2024-01-05813	EXPLORING THE ANTI-ATHEROGENIC ROLE OF ADIPOSE TISSUE DERIVED CRISPLD1 BY ITS ABILITY TO BIND CHOLESTEROL, FATTY ACIDS AND INFLAMMATORY LEUKOTRINES	Dr Rakhee Yadav	All India Institute of Medical Sciences, Delhi
376	IIRPSG-2024-01-05877	Development of TIRF based microscopic system with smartphone camera and probe based spectroscopic system as diagnostic tool for intraoperative identification of parathyroid tissue in surgeries	Dr Kamal Kataria	All India Institute of Medical Sciences, Delhi
377	IIRPSG-2024-01-05897	Regulation of antimicrobial peptides and the oral microbiome in severe oral inflammatory condition (Periodontitis) by Casz1 – an anticipated defensins inducer.	Dr Natarajan Bhaskaran	Sri Ramachandra Institute of Higher Education and Research
378	IIRPSG-2024-01-05942	Decoding the Brain Microbiome Connection: Exploring the Interplay of Gut Microbiota and Mitochondrial Dysfunction for Development of Novel Biomarkers for Parkinson's disease.	Dr Nidhi Verma	Ram Lal Anand College
379	IIRPSG-2024-01-05953	Elucidating the role of aberrant IL-17-neutrophil axis in driving Type 1 diabetes pathogenesis	Dr Saikat Majumder	CSIR-Indian Institute of Chemical Biology(CSIR-IICB)
380	IIRPSG-2024-01-05957	In-vitro evaluation of synergistic anti-M tuberculosis effect of Eugenol with isoniazid/rifampicin, toxic effects of Eugenol and intracellular anti- M. tuberculosis effect of Eugenol in macrophages.	Prof Venugopal jayapal	YRG Centre for AIDS Research and Education

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

381	IIRPSG-2024-01-05972	SONO-PECARN versus PECARN: To study role of ultrasound guided skull fracture detection in decision making of intermediate PECARN risk group of less than 2 years	Prof Prof. sanjeev bhoi	JPN Apex Trauma Centre, All India Institute of Medical Sciences
382	IIRPSG-2024-01-05995	Post-Operative Complications in Pediatric Urology: Role of Frailty, Nutrition, and Perineal Microbiome (Looking Beyond Disease, Surgeon and Surgery)	Prof Prabudh Goel	All India Institute of Medical Sciences, Delhi
383	IIRPSG-2024-01-06041	Development of self-help manuals for adolescents and caregivers for the management of violence in adolescents	Dr Amrita Pain	Institute of Human Behaviour and Allied Sciences
384	IIRPSG-2024-01-06060	Delivering kidney care using ISN AKI toolkit at Health and Wellness Centers: A stepped wedge study	Dr Vivek Kumar	Postgraduate Institute of Medical Education & Research
385	IIRPSG-2024-01-06093	Elucidation of Prohibitin as a candidate molecule and development of transgenic cell line for the enhanced replication of Dengue, Chikungunya and Zika virus	Prof Radha Kanta Ratho	Postgraduate Institute of Medical Education & Research
386	IIRPSG-2024-01-06153	Impact of differential expression of X-chromosomal and autosomal genes on cardiometabolic risk in Turner syndrome and role of sirtuin-4 and IRS-2 as novel risk-predictors	Dr Sunetra Mondal	Nil Ratan Sircar Medical College & Hospital
387	IIRPSG-2024-01-06195	Understanding the Prevalence and Lipidomic Signatures of NAFLD in Children and Adolescents: The Role of Obesity and Lipotoxicity in NAFLD Pathogenesis	Dr Mohanraj s	KMCH Research Foundation
388	IIRPSG-2024-01-06204	Study the cytokine profile in endophthalmitis caused by varied microbial flora detected by nanopore gene sequencing	Dr Karnika Saigal	All India Institute of Medical Sciences, Delhi
389	IIRPSG-2024-01-06225	Development of strategies to make Host Defence Peptides pragmatically applicable for clinical use as adjunct host directed therapy against drug sensitive and resistant tuberculosis	Dr Rahul Kumar Verma	Institute of Nano Science and Technology
390	IIRPSG-2024-01-06276	Carbon Nanodots as trackable theranostic platform for dual/triple drug delivery and their synergism with efflux pump inhibitors against Mycobacterium tuberculosis.	Dr Tulika Prasad	Jawaharlal Nehru University
391	IIRPSG-2024-01-06308	Exploring the Interplay between Gut Microbiota in IBD and Host Immune Response: A Comprehensive follow-up Study	Dr Ravi Verma	Jawaharlal Nehru University
392	IIRPSG-2024-01-06343	Investigating the Effects of Tyrosine Phosphorylations in Inducible Nitric Oxide Synthase (iNOS) in Lung Cancer	Prof Mohammad Mahfuzul Haque	Jamia Millia Islamia University
393	IIRPSG-2024-01-06418	Diagnosing Glaucoma and Predicting its Progression using Hybrid AI model- A Multicentric Study	Prof Vinita Gupta	All India Institute of Medical Sciences, Rishikesh
394	IIRPSG-2024-01-06420	Portable Mobile Otoscope: Development, Validation, and Integration for Convenient Ear Screening in Homes and Communities	Dr Shwethashree M	JSS Academy Of Higher Education & Research
395	IIRPSG-2024-01-06431	Understanding the foetal programming of testicular lipid metabolism caused by intrauterine exposure to ethion and its modulation by green synthesized zinc oxide nanoparticles	Dr Aneesha v a	ICAR-Indian Veterinary Research Institute
396	IIRPSG-2024-01-06471	An integrated proteomics and metabolomics approach for identifying biomarkers for early diagnosis of osteoporosis in MASLD	Dr Lakshmi Nagendra	JSS Academy Of Higher Education & Research

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

397	IIRPSG-2024-01-06480	Exploring the path to Gender Affirmation Surgery: A Comprehensive Exploration into factors determining decision to transition among transgenders in Tamilnadu Using a Mixed-Methods Approach	Dr Arumuganathan S	All India Institute of Medical Sciences, Madurai
398	IIRPSG-2024-01-06547	ADAM: Advancing DiAbetes Management- Integration of Continuous Glucose Monitoring with Artificial Intelligence for Personalized Diet Interventions in Diabetes	Dr Anjali t m ollapally	St John's Medical College Hospital
399	IIRPSG-2024-01-06555	Exploring the Role of Brain-derived Extracellular Vesicles in Schizophrenia and their Correlation with Treatment Response: A Multi-Omics Approach	Dr Prasenjit Mitra	Postgraduate Institute of Medical Education & Research
400	IIRPSG-2024-01-06557	Study on the Pharmacological Inhibition of Human Sperm GSK3 $\alpha$ and Calcineurin on Fertilization Parameters to Develop Male Contraceptives	Dr Souvik Dey	Manipal Academy of Higher Education
401	IIRPSG-2024-01-06582	Effectiveness of an intensive, functional gamified rehabilitation in improving sensory-motor and cognitive function following chronic stroke: A multicenter randomized clinical trial	Dr Senthil Kumaran d	Manipal College of Health Professions
402	IIRPSG-2024-01-06592	Development and Preclinical evaluation of Lactoferrin and nutrients enriched colostrum milk based formulation targeting Iron deficiency Anemia in children and women.	Dr Anbarasu Kannan	CSIR-Central Food Technological Research Institute(CSIR-CFTRI)
403	IIRPSG-2024-01-06602	Sprayable polymer based targeted nanotherapeutics as a treatment strategy for fatty liver diseases	Prof Ashok Kumar	Indian Institute of Technology (IIT), Kanpur
404	IIRPSG-2024-01-06616	INVESTIGATION ON THE CELLULAR PHOSPHORYLATION LANDSCAPE AND ITS IMPLICATION IN CHANDIPURA VIRUS INFECTION FOR ITS THERAPEUTIC EVALUATION	Dr Nishi Raj Sharma	Artemis Hospital
405	IIRPSG-2024-01-06630	Fostering artificial intelligence assisted point-of-care portable analyzer for rapid diagnosis of antimicrobial resistant ESKAPE pathogens	Prof Sunil Dasharath Saroj	Symbiosis International Deemed University (SIU)
406	IIRPSG-2024-01-06678	3D-printed porous elastic scaffolds with tunable mechanical properties for effective repair of age-induced articular cartilage degeneration	Prof Kamendra Prakash Sharma	Indian Institute of Technology (IIT), Bombay
407	IIRPSG-2024-01-06685	Development and Evaluation of Recombinant anti-HER2 ScFv for Targeted Breast Cancer Therapy: Production, Characterization, Therapeutic Efficacy Analysis through in vitro and in vivo studies	Prof Debasish Das	Indian Institute of Technology (IIT), Guwahati
408	IIRPSG-2024-01-06751	Therapeutic implications of fisetin loaded peptide nano-carriers against circadian disturbances in prenatal VPA-induced rodent model of autism.	Dr Mani Chopra	Panjab University
409	IIRPSG-2024-01-06760	Empowering Community to Take Action for Reduction of Anemia (C-TARA) among adolescent girls and Women of Reproductive Age in tribal villages of central India	Dr Radhika Shantilal Sharma	Mahatma Gandhi Institute of Medical Sciences
410	IIRPSG-2024-01-06803	Effect on Preoxygenation Using an Indigenously Developed HFNC Device: A Randomized Non-Inferiority Clinical Trial	Dr Shiv Lal Soni	Postgraduate Institute of Medical Education & Research
411	IIRPSG-2024-01-06804	Adaptive NK cells and anti-EGFR monoclonal Antibody based combinatorial immunotherapy to circumvent Hypoxia induced immune dysfunction in Oral Cancer	Dr Rakesh Kumar Majhi	Indian Institute of Technology (IIT), Kanpur

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

412	IIRPSG-2024-01-06825	Development of evidence-based clinical practice guideline recommendations for the management of empyema in children, and implementation monitoring.	Prof Joseph L Mathew	Postgraduate Institute of Medical Education & Research
413	IIRPSG-2024-01-06844	Couple-Centred Brief Intervention for Common Perinatal Mental Disorders among Parental Dyads during First Year of Child Birth: A Parallel Group, Non-Inferiority Trial	Dr Pracheth r	National Institute of Mental Health and Neurosciences
414	IIRPSG-2024-01-06851	Development of a scalable expression platform for the overproduction of therapeutically important human Interleukin-2 (hIL-2) for immunotherapy in E. coli and Pichia pastoris	Prof Yogender pal Khasa	University of Delhi South Campus
415	IIRPSG-2024-01-06863	Development of In Vitro Diagnostic (IVD) Kits against drug-resistant Salmonella Infections	Prof Prashant Kodgire	Indian Institute of Technology (IIT), Indore
416	IIRPSG-2024-01-06907	To study the 5-HT neurotransmitter levels in the ECM using HPLC -ECD and the effect of 5-HT1A agonist on neurogenesis during experimental cerebral malaria.	Prof Phanithi Prakash babu	University of Hyderabad
417	IIRPSG-2024-01-06952	To assess the feasibility of integrating zero separation policy with immediate Kangaroo mother care into routine newborn care in eastern UP- A community-based Implementation study	Dr Mahima Mittal	All India Institute of Medical Sciences, Gorakhpur
418	IIRPSG-2024-01-06963	Impact of a cost-effective, nutritionally optimized supplement on body-composition and functional measures: A multicentric randomized-control trial among older adults at risk of malnutrition/or-malnourished (I-CARE Study)	Prof Sucharita Sambashivaiah	St John Research Institute A Unit of CBCI Society for Medical Education
419	IIRPSG-2024-01-07012	Development and Evaluation of Intelligent Robot-Assisted Upper Limb Therapy System	Dr Kishor Lakshminarayanan	Vellore Institute of Technology
420	IIRPSG-2024-01-07016	Deciphering the cascade of memory impairment in Alzheimer's disease: Electrophysiological treading of neuronal path utilizing bio signal processing as a novel tool.	Prof Suhel parvez	Jamia Hamdard
421	IIRPSG-2024-01-07054	To evaluate the role of Wnt signaling pathway in dietary emulsifiers-induced IBD development: A therapeutic perspective	Dr Mohan Kamthan	Jamia Hamdard
422	IIRPSG-2024-01-07063	NIR Light Activatable Free Standing Borophene Nanoformulation to Combat AMR in Wound Biofilms	Dr Neha jain	Indian Institute of Technology (IIT), Jodhpur
423	IIRPSG-2024-01-07069	Impact of Short-term Stabilometric Biofeedback Training on Cognitive Functions in Patients with Bipolar Disorder: A Pre-post Interventional Study	Dr Pradeep Yuvaraj	National Institute of Mental Health and Neurosciences
424	IIRPSG-2024-01-07199	Non-invasive method for detection and analysis of anemia in pregnant women using deep learning-based model: A Multidisciplinary, Multicentric Study	Dr Archana Kumari	Rajendra Institute of Medical Sciences
425	IIRPSG-2024-01-07305	Development of novel class of Macrocyclic Peptidomimetics based Endothelin Receptor Antagonists (MPERA's) as promising optimal therapeutics for Pulmonary Arterial Hypertension	Dr Ravi sankar ampapathi Sankar Ampapathi	CSIR-Central Drug Research Institute(CSIR-CDRI)
426	IIRPSG-2024-01-07471	Novel use of Etonogestrel Subdermal Implant in adolescents and reproductive age group women with endometriosis and its comparison with LNG-IUS: A non-inferiority prospective pilot study	Dr Neha Varun	All India Institute of Medical Sciences, Delhi
427	IIRPSG-2024-01-07472	Efficacy of six-month daily atorvastatin therapy on lung function in Post-tubercular lung disease: A double-blind parallel arm randomized control trial.	Dr Ananda Datta	All India Institute of Medical Sciences, Deoghar

**INVESTIGATOR- INITIATED RESEARCH PROPOSALS FOR SMALL EXTRAMURAL GRANTS - 2024, (Call Released on 20-Dec-2023)**

**List of Selected Projects**

428	IIRPSG-2024-01-07486	Evaluation of FTIR as ultrafast and ultrasensitive modality for diagnosis of causative organisms in bacterial sepsis and detecting antimicrobial resistance.	Dr Piyush Ranjan	All India Institute of Medical Sciences, Delhi
429	IIRPSG-2024-01-07493	Novel peripherally restricted sepiapterin reductase (SPR) inhibitors for the treatment of traumatic nerve injury (TNI) associated neuropathic pain	Dr Abhijeet Rajendra Joshi	Birla Institute of Technology and Sciences-Pilani, Hyderabad Campus
430	IIRPSG-2024-01-07517	Respiratory syncytial virus (RSV): Burden estimation and the development of a monoclonal antibody-based point of care diagnostic	Dr Aswathyraj s	Institute of Advanced Virology

\*while every effort has been made to ensure the accuracy of the published results, in the event of any inadvertent mistake, the final communication to the Principal Investigator (PI) will prevail.

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