

Projects Supported by BIRAC under PACE

S.No.	Applicant Name	Proposal Title	City	State
1	Central Drug Research Institute Lucknow (CDRI)	Development of Small Molecule Inhibitor of PCSK-9, a new target for LDL receptor and atherosclerotic cardiovascular disease	Lucknow	UTTAR PRADESH
2	International Center of Genetic Engineering and Biotechnology ICGEB	Saracatinib AZD0530 , an adjunct therapy candidate for tuberculosis	New Delhi	DELHI
3	NIMHANS, bangalore	Generation of induced pluripotent stem cells and midbrain floor plate cells from Indian ethnicity Parkinsons disease patients.	Bangalore	KARNATAKA
4	Indian Institute of Technology delhi	Continuous Noninvasive Blood Pressure Waveform Measuring Device for Cardiovascular Health	New Delhi	DELHI
5	IIT Madras	GPU-based software beamformers and advanced color flow imaging for affordable ultrasound system	Chennai	TAMIL NADU
6	Indian Institute of Technology (IIT), Mumbai	Point of care diagnostic test kit for Free and bound cholesterol, HDL and LDL in whole blood	Mumbai	MAHARASHTRA
7	Indian Institute of Technology delhi	Nucleic acid based portable rapid diagnostic platform	New Delhi	DELHI

8	Dr. NCBisht_NIPGR	To Perform Event Selection under Small Scale Open Field Growth Condition and Substantial Equivalence Test of the Low Glucosinolate Brassica juncea Transgenic Lines	New Delhi	DELHI
9	Indian Institute of Technology Bombay	Functional amyloid derived hydrogels as a scaffold for three dimensional in vitro tumor model for evaluating anti-cancer therapeutics	Mumbai	MAHARASHTRA
10	Central University of Haryana	Scale-up Process development for lipstatin an anti-obesity drug production from Streptomyces toxytricini	Mahendergarh	HARYANA
11	Indian Institute of Technology BHU	Understanding the mechanism of action through cell biology and upgradation of herbal drug in solution and biodegradable patch for the treatment of diabetic foot ulcer	Varanasi	UTTAR PRADESH
12	The University Of Burdwan	Development of field based rapid hemoglobinopathy - Thalassemia carrier screening kit	Kharagpur	WEST BENGAL
13	National Chemical Laboratory, Pune	Production of low molecular weight fungal chitosan for healthcare applications	Pune	MAHARASHTRA
14	CSIR-Indian Institute of Petroleum	Edible oil blend from lignocellulosic pentosans and other inexpensive raw materials	Dehradun	UTTARANCHAL
15	Tezpur University	Development of snake venom toxins-targeted specific novel antivenom	Tezpur	ASSAM
16	NMAM Institute of Technology	To develop adjunct anti-venom therapy for snake venom from the pharmaceuticals obtained from Coix lacrymajobi root extract	Karkala, Udupi	KARNATAKA

17	Translational Health Science and Technology Institute (THSTI)	Aptamer based rapid test to differentiate venomous snake bites from non-venomous and dry snake bites.	New Delhi	DELHI
18	SASTRA University, Thanjavur.	Generation, Characterization and Pre-clinical Evaluation of Chicken Egg Yolk sourced Anti-Snake Venom IgY against venoms of Cobra, Krait, Russells Viper and Saw-scaled Viper	Thanjavur	TAMIL NADU
19	National Institute of Animal Biotechnology	Development of point-of-care diagnostics for detection of venom proteins of Naja naja Cobra and Bungarus caeruleus Krait in envenomed animals	Hyderabad	ANDHRA PRADESH
20	JSS Academy of Higher Education and Research	Development of Immunological test for detection of South India Russell's viper and cobra snake bite	Mysore	KARNATAKA
21	Haffkine Institute for Training, Research and Test	Establishment of Facility for Venom and ASV characterization.	MUMBAI	MAHARASHTRA
22	CSIR-Indian Institute of Toxicology Research	Development and clinical validation of markers for a point of care diagnostic kit for diabetic nephropathy	Lucknow	UTTAR PRADESH
23	NITTE (Deemed to be University)	Development of a cost effective cell based assay for the diagnosis of Neuromyelitis optica spectrum disorders in India.	Mangalore	KARNATAKA
24	Indian Institute of Technology Gandhinagar	SmartWalk: Intelligent Sensor-fitted Shoes for Gait Monitoring and Rehabilitation in Neurological Disorders	Gandhinagar	GUJARAT

25	Indian Institute of Technology Bombay	Determining and Development of Digital Device for Screening and Diagnosis of Dyslexia among Hindi Speaking Children	Mumbai	MAHARASHTRA
26	Manipal Academy of Higher Education, Manipal University	Translation of CpG-Methylation Biosignatures of Genes for Rapid and Sensitive Diagnostic and Prognostic Applications during Cervical Cancer Progression	MANIPAL	KARNATAKA
27	IIT Madras	A foot-drop rehabilitation device offering customized treatment and monitoring	Chennai	TAMIL NADU
28	Indian Institute of Science Bangalore	Exploring the efficacy of Pranlukast and its combinatorial therapy in pre-clinical models of Tuberculosis	Bangalore	KARNATAKA
29	Amrita Vishwa Vidyapeetham	Preclinical translational study of a new lead molecule for the treatment of Multiple sclerosis disease	Kochi	KERALA
30	Manipal University	Scale-up production and validation of nanostructured lipid carriers loaded with asenapine maleate	MANIPAL	KARNATAKA
31	Amity University Uttar Pradesh	Electrochemical sensing of Aflatoxin B1 in ground nut extract based on anisotropic gold nano particle decorated self assembled thiol monolayer using monoclonal antibody suitable for field application	NOIDA	UTTAR PRADESH
32	Maharashtra Animal and Fishery Sciences University	Development of Lateral Flow/ELISA Detection Kit for the early diagnosis of theileriosis in Cattle.	Udgir	MAHARASHTRA
33	Anna University, Chennai	Production of L- 2-aminobutyric acid from citraconate by biotransformation and cell free system	Chennai	TAMIL NADU

34	Tata Institute of Fundamental Research Hyderabad	Building a cuvette-based fluorescence correlation spectrometer for single molecule characterization of biomolecules	Hyderabad	TELANGANA
35	National Institute of Animal Biotechnology	Development of lateral flow based chromatographic immunoassay using recombinant chimera antigens for point-of-care testing of Toxoplasma gondii infection	Hyderabad	ANDHRA PRADESH
36	Centre for Human Genetics	Affordable technologies for diagnosis of rare skin genetic disease - Epidermolysis Bullosa -	Bangalore	KARNATAKA
37	University of Mysore	Mixture of small molecules as first aid therapeutics, complementing anti-snake venom therapy against 'Big Four' snake venom induced lethality	Mysore	KARNATAKA
38	CSIR-National Institute of Oceanography	DEVELOPMENT OF A NOVEL MARINE-DERIVED PEPTIDE-ANTIBIOTIC AGAINST SERIOUS GRAM-POSITIVE INFECTIONS	Goa	GOA
39	ICAR-Indian Agricultural Research Institute	Enhancing quality of novel bio-insecticidal formulations of entomopathogenic nematodes for improved shelf life and biocontrol	New Delhi	DELHI
40	Andhra Pradesh State Sericulture R and D Institute	Popularization of silkworm sex-limited foundation cross SLFC27 for cocoon colour with Pure Mysore PM race in the production of cross breed for Industrial seed production.	Hyderabad	TELANGANA

41	Amity University (Amity Center for Mycobacterial Disease Research)	Shielding the Livestock from Paratuberculosis using Vaccine: A Holistic Approach	Jaipur	RAJASTHAN
42	IISER Mohali	An improved yeast process for the production of sclareol	Mohali	PUNJAB
43	Indian Institute of Technology Roorkee	Development of ready to go culture strips for fermented dairy products	Roorkee	UTTARANCHAL
44	Vivekanand Arts, Sardar Dalip Singh Commerce & Science College, Aurangabad	Pilot scale studies of Electronic Waste Management using Economical and Eco friendly Method	Aurangabad	MAHARASHTRA
45	National Institute of Cholera and Enteric Diseases	Development and pre-clinical evaluation of safety, immunogenicity and protective efficacy of an outer membrane protein conjugate vaccine against typhoid and paratyphoid infections	Kolkata	WEST BENGAL
46	CSIR-Institute of Microbial Technology	NatGel: Complete commercially viable process to specifically extract natural gelsolin from human plasma to be used as therapeutic injectable without depleting yields of other commercial sought proteins	Chandigarh	CHANDIGARH
47	INSTITUTE OF CHEMICAL TECHNOLOGY, Mumbai	Bioprinting of 3D skin in a microfluidic device for pre-clinical investigations	Mumbai	MAHARASHTRA

48	Sir MVIT(Sir M. Vishveshwarayya Institute of Technology)	Evaluation of a non-antibiotic feed supplement towards enhancement of immune response against mycoplasma infection in poultry to prevent the occurrence of Complicated chronic respiratory disease	Bangalore	KARNATAKA
49	The Oxford College of Engineering	Efficient bioremediation tool for hydrocarbon contamination management. Scale-Up and Pilot Scale Study.	Bangalore	KARNATAKA
50	Central Drug Research Institute Lucknow (CDRI)	Development of Novel Small Molecule SMAC Mimetics as Cancer Therapeutics	Lucknow	UTTAR PRADESH
51	Translational Health Science and Technology Institute (THSTI)	Development and evaluation of a rapid phenotypic antimicrobial susceptibility test for clinical use	New Delhi	DELHI
52	BAIF Development Research Foundation	Development of high biomass, drought and salinity tolerant mutant lines in Lucerne Medicago sativa	Pune	MAHARASHTRA
53	Jawaharlal Nehru Centre for Advanced Scientific Research	A high throughput assay to find small molecules modulators to break HIV master transcription circuit	Bangalore	KARNATAKA
54	University of Mysore	Echis carinatus venom induced sustained tissue necrosis and validating the therapeutic potential of DNase enzyme time kinetics in mammalian models	Mysore	KARNATAKA
55	Jamia Hamdard, New Delhi	Development of IT Tool for Identity of Crude Powdered Botanicals through Analytical Microscopy	New Delhi	DELHI

56	Indian Institute of Science Education and Research (IISER) Pune	Electro spun Nanofibre based Multi-stimuli Responsive Transdermal B12 Delivery Patch	Pune	MAHARASHTRA
57	Guru Gobind Singh Indraprastha University	Development of indigenous Protein A resin for purification of monoclonal antibodies mAbs in manufacturing	Delhi	DELHI
58	Indian Institute of Technology (IIT), Mumbai	Pilot clinical investigation for alveolar ridge augmentation using 3-D scaffold matrix	Mumbai	MAHARASHTRA
59	University of Hyderabad	Development of microbial nanovesicle based multivalent Vaccine formulation against multiple poultry diseases.	Hyderabad	ANDHRA PRADESH
60	Special Centre for Molecular Medicines, Jawaharlal Nehru University	DMA, a Benzimidazole to take it to early-phase human trials as a Radiomodulator/Radioprotector to normal cells for Cancer Radiotherapy in Patients	New Delhi	DELHI
61	IIT Delhi CBME	Development and validation of standalone meter for non-invasive salivary glucose quantification	DELHI	DELHI
62	National Chemical Laboratory, Pune	Development of innovative pheromone dispenser based on nanofiber mats for crop pest management	Pune	MAHARASHTRA
63	Indian Institute of Science Bangalore	System, method and an integrated hearing aid device to provide therapy	Bangalore	KARNATAKA
64	IASSTGHY	Optimization of method of red wine production using black rice	Guwahati	ASSAM
65	All India Institute of Medical Sciences, Delhi	Minimally invasive nano enabled targeted technology for Sentinel Lymph Node SLN detection	New Delhi	DELHI

66	Institute of Microbial Technology	Optimization of the myoglobin enzyme production and development of biocatalytic cyclopropanation process for the synthesis of pharmaceuticals precursors.	CHANDIGARH	CHANDIGARH
67	College of Temperate Sericulture	Conversion of the silkworm, Bombyx mori droppings into value added products in Jammu and Kashmir.	Srinagar	JAMMU & KASHMIR
68	Institute of Microbial Technology	Development of a novel, robust, industrial scale recombinant protein manufacturing yeast using an improved strain of Kluyveromyces marxianus	CHANDIGARH	CHANDIGARH
69	Christian Medical College and Hospital	Portable neuro-monitoring device for early detection of spinal cord injury in trauma patients	Vellore	TAMIL NADU
70	University of Madras	DEVELOPMENT OF SOCKET-FIT FLEXIBLE HEMOSTAT CUM GRAFT FOR DENTAL APPLICATIONS	Chennai	TAMIL NADU
71	BKL Walawalkar Hospital Diagnostic Research	Menstruation Prediction Kit during luteal phase of menstrual cycle	Chiplun	MAHARASHTRA
72	IIT HYDERABAD	SurgeoAssist-An indigenous neurosurgical assistance platform for safer spinal surgeries	HYDERABAD	TELANGANA
73	Sri Ramachandra Institute for Higher Education and Research	De-cellularized and anticoagulant enhanced Off the shelf vascular grafts - fabricated by culturing human umbilical vein endothelial and smooth muscle cells on electrospun collagen and polycaprolactone tubular scaffolds	Chennai	TAMIL NADU

74	Coimbatore Institute of Technology	Novel design of a one – pot reactor for biodiesel production bypassing lipid extraction by complete utilisation of sericulture waste	Coimbatore	TAMIL NADU
75	GUJARAT FORENSIC SCIENCES UNIVERSITY	Development of Proliposome/DepoFoam technology based composition for delivery of aminoglycoside drug.	Gandhinagar	GUJARAT
76	CSIR-National Institute for interdisciplinary Scie	Development of a bio process for the commercial production of the plant growth stimulant Gibberellic acid GA3	Trivandrum	KERALA
77	Department of Microbiology, University of Microbiology	Using Peptidomimetics to design small molecules from a novel P1 peptide, for its interaction with beta amyloid oligomers by in-silico, in-vitro approaches and its efficiency in clearing beta amyloid load by ex vivo model of Alzheimer's disease	Delhi	DELHI
78	Directorate of Oilseeds Research	Discovery of genome-wide SNPs and its use in developing a reference linkage map and association analysis in castor	Hyderabad	ANDHRA PRADESH
79	Centre for DNA Fingerprinting and Diagnostics CDFD	To conduct multilocal field trials on transgenic BmNPV resistant silkworm strains to establish their efficacy and generate data for their regulatory approval	Hyderabad	ANDHRA PRADESH
80	All India Institute of Medical Sciences	Validation of a rapid diagnostic method for the detection of HLA allele and its association with cutaneous drug reactions in persons with epilepsy.	New Delhi	DELHI
81	Univ. Ag. Sciences, Bangalore	Validation of Drought Resistance Marker in Rice	Hyderabad	ANDHRA PRADESH

82	National Centre for Biological Sciences	Validation of novel target for HIV-1: Nef-CD80/CD86 for potential therapeutic intervention.	Bangalore	KARNATAKA
83	National Chemical Laboratory	Identification of Drug Candidates with Improved PK Properties Using Silicon-Switch Approach	Pune	MAHARASHTRA
84	Indian Agricultural Research Institute	Validation of serological diagnostic reagents and kits for plant viruses affecting horticultural crops	New Delhi	DELHI
85	International Center of Genetic Engineering and Biotechnology	Pre-clinical toxicology studies and Phase I clinical trial with PvDBPII, a novel recombinant vaccine candidate for Plasmodium vivax malaria	New Delhi	DELHI
86	International Center of Genetic Engineering and Biotechnology	Phase I clinical trial with PvDBPII, a novel recombinant vaccine candidate for Plasmodium vivax malaria	New Delhi	DELHI
87	Institute of Microbial Technology	Development of a novel bioreactor system for production of IMTECH-laccase and verification of commercial viability of IMTECH process.	CHANDIGARH	CHANDIGARH
88	Kerala Agricultural University	Metabolome analysis in ginger and product development using gingerol	Thrissur	KERALA
89	Indian Institute of Chemical Technology	Lead identification and development of aza-Flavanones and triazole derivatives as new anti-cancer agents	Hyderabad	ANDHRA PRADESH
90	Central Rice Research Institute	Association mapping of genes/QTLs for yield under reproductive stage drought stress in rice (<i>Oryza sativa</i> L.)	Cuttack	ORISSA

91	Tea Research Association, NBRDC, Nagrakata	Development and promotion of local fungal strains of tea ecosystem for the management of tea pathogens and insect pests with special reference to Darjeeling – An Innovative Non Chemical Approach.	Jorhat	ASSAM
92	Indian Agricultural Research Institute	Magnetopriming of high value vegetable seeds for invigouration and productivity enhancement	New Delhi	DELHI
93	Bombay College of Pharmacy	Optimization and scale-up of developed transdermal delivery system for Rheumatoid Arthritis.	Mumbai	MAHARASHTRA
94	Institute of Life Sciences	Study to translate CHTX and/or its derivatives for therapeutic intervention in Sepsis	Hyderabad	ANDHRA PRADESH
95	Amrita School of Biotechnology	Cost-Effective Device and Cloud Enabled Smart solutions for diabetes care	Kollam,	KERALA
96	Jawaharlal Nehru Centre for Advanced Scientific Research	Development of New Class of Glycopeptide Antibiotics for Tackling Drug Resistant Bacterial Infections	Bangalore	KARNATAKA
97	Tea Research Association	Exploitation of tea germplasm available in N E India for developing clones suitable for Green tea, optimization of protocol for manufacturing Green tea	Jorhat	ASSAM
98	TRPVB -	Evaluation of virus like particle vaccine against a fatal viral disease of dogs in target species	Chennai	TAMIL NADU

99	International Center of Genetic Engineering and Biotechnology ICGEB	A Phase I, clinical trial to assess the safety and immunogenicity of P.falciparum vaccines	New Delhi	DELHI
100	Indian Institute of Science Bangalore	Clinical Validation of Opto fluidic Microscope and Portable Slide Profiler for Diagnosing Haematological Disorders	Bangalore	KARNATAKA
101	National Chemical Laboratory, Pune	Toxicological studies of biopesticide formulations	Pune	MAHARASHTRA
102	Translational Health Science and Technology Institute (THSTI)	Development and PoC validation of a novel approach to treat HIV infection by integrating anti-viral activity with stimulation of host cell innate immunity	New Delhi	DELHI
103	National Centre for Antarctic and Ocean Research	Development of PM181108 as an anti-tubercular agent	Vasco-da-Gama	GOA
104	Indian Institute of Chemical Technolgy IICT	Mitochondria-targeted esculetin as an anti-atherosclerotic agent	Hyderabad	ANDHRA PRADESH
105	Indian Institute of Technology Gandhinagar	MindEye:A low-cost, portable, easy-to-use, eye-tracking device integrated with computerized cognitive tests for early diagnosis of Dementia at community level using big-data analytics in cloud under a highly affordable Software-As-A-Service model.	Gandhinagar	GUJARAT
106	Jamia Hamdard, New Delhi	Preclinical evaluation of Centrin knockout live attenuated Leishmania clinical grade parasite vaccine against visceral leishmaniasis	New Delhi	DELHI

107	Amity University (Amity Center for Mycobacterial Disease Research)	Shielding Livestock from Paratuberculosis using Point of Care Diagnostics PoCD	Jaipur	RAJASTHAN
108	Sardar Patel Medical College, Bikaner	Commercial scale development of novel camelid antivenom against Echis sochureki venom - Its Preclinical and Clinical assessment.	BIKANER.	RAJASTHAN
109	National Centre for Cell Science, Pune, Maharashtra, India-411007	Scaling up of proprietary lab-scale Fenugreek seed extract production for management of obesity	Pune	MAHARASHTRA
110	CSIR-National Institute for interdisciplinary Scie	Valorization of spent turmeric/amla: Process development for antioxidant dietary fibre enriched products as metabolic enhancers	Trivandrum	KERALA
111	TRANSLATIONAL RESEARCH PLATFORM FOR VETERINARY BIOLOGICALS	EVALUATION OF PROTECTIVE EFFICACY INDUCED BY VIRUS LIKE PARTICLE AGAINST CANINE PARVO VIRULENT CHALLENGE IN TARGET SPECIES	Chennai	TAMIL NADU
112	Indian Veterinary Research Institute	Evaluation of glycoprotein E gE -deleted bovine herpesvirus-1 BoHV-1 as infectious bovine rhinotracheitis IBR marker vaccine candidate in cattle	Bareilly	UTTAR PRADESH

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