

### Ongoing Projects under EFB-Biomedical Sciences

SN	PI &Institute Name	Project Title	States
<b>Biomedical Sciences-I (Program Officer: Dr Deo Prakash Chaturvedi)</b>			
1.	Dr. Deepak Modi ICMR-Institute for Research in Reproductive Health (NIRRH), Mumbai	Identification of HOXA10-driven genetic networks in the endometrium	Maharashtra
2.	Dr. Rupasri Ain CSIR-Indian Institute of Chemical Biology (IICB), Kolkata	Long non-coding RNA signature and function in trophoblast stem cell differentiation	West Bengal
3.	Dr. Sundarasamy Mahalingam Indian Institute of Technology (IIT), Madras	Understanding the Molecular Function of RASSF8 induced Cellular Autophagy during Tumorigenesis	Tamilnadu
4.	Dr. Sudhanshu Kumar Shukla Indian Institute of Technology (IIT), Dharwad	Decoding the role of oncofetal LNC RNA LINC01456 in cancer development and its clinical relevance	Karnataka
5.	Dr. Kumaravel Somsundaram Indian Institute of Science (IISc), Bangalore	ISWI (Imitation switch) Chromatin Remodeling Complex in cancer: Dissecting the role of Bromodomain Adjacent To Zinc Finger Domain 1A (BAZ1A) and developing targeted therapy	Karnataka
6.	Dr. Amit Lahiri CSIR-Central Drug Research Institute (CDRI), Lucknow	Unravelling the crosstalk between mitochondrial dynamics and gut dysbiosis in the pathogenesis of Inflammatory Bowel Disease	Uttar Pradesh
7.	Dr. N Ravi Sundersan Indian Institute of Science (IISc), Bangalore	Understanding the role of SIRT2 in the regulation of cardiac lipotoxicity	Karnataka
8.	Dr. Debasis Das Tata Institute Of Fundamental Research (TIFR), Mumbai	Investigating the molecular basis of Parkinson's disease (PD) pathology	Maharashtra
9.	Dr. Raja Bhattacharya Amity University, Kolkata	Understanding mechanisms of GPCR promiscuity in neuromodulation using Caenorhabditis elegans homologue of cholecystinin receptor 1 (CKR-1) as a prototype GPCR	West Bengal

10.	Dr. Sandip Kumar Nandi Birla Institute of Technology & Science (BITS), Pilani - Goa	DJ-1 in human lens: A therapeutic target to treat presbyopia and cataract	Goa
11.	Dr. Chittaranjan S Yajnik King Edward Vii Memorial Hospital, Pune	Follow-up of children born in a B12-multimicronutrient supplementation primordial trial (PRIYA) to reduce diabetes risk and improve neurocognitive performance	Maharashtra
12.	Dr. Kishore Parsa Dr. Reddy's Institute of Life Sciences, Hyderabad	Understanding the functional significance of RNA exosome complex sub-unit EXOSC1, implicated in the rare disease pontocerebellar hypoplasia, using cellular and zebrafish model systems	Telangana
13.	Dr. Giriraj Sahu Indian Institute of Science (IISc), Bangalore	Elucidation of the mechanisms for the inhibition of intrinsic excitability regulator slow afterhyperpolarization in temporal lobe epilepsy	Karnataka
14.	Dr. Swagata Ghatak National Institute of Science Education And Research (NISER), Bhubaneswar	Two pore domain leak potassium channel related mechanisms of excitatory-inhibitory imbalance in Alzheimer's disease.	Odisha
15.	Dr. Vandana Jain All India Institute of Medical Sciences (AIIMS), New Delhi	Assessing the genesis of the 'thin-fat' Asian Indian phenotype: A longitudinal study on body composition, metabolic and metabolomic profile in children born preterm or small for gestational age	Delhi (UT)
16.	Dr. Sunil Martin BRIC-Rajiv Gandhi Centre For Biotechnology (RGCB), Thiruvananthapuram	Augmenting off-the-shelf $\gamma\delta$ T cell therapy in oral squamous cell carcinoma (OSCC) by targeted regulation of EZH2	Kerala
17.	Dr. Minu Singh Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh	Profiling and functional validation of non-annotated microproteins in pediatric acute myeloid leukemia	Haryana

18.	Dr. SreedharChinnaswamy BRIC-National Institute of Animal Biotechnology (NIAB), Hyderabad	Functional analysis of a novel human interferon lambda 4 (IFNL4) gene isoform and interrogation of an IFNL4 SNP (rs4803221) for novel functions	Telangana
19.	Dr. JyotirmoyBanarjee All India Institute of Medical Sciences (AIIMS), New Delhi	Deciphering the contribution of proestrous-estrous transition to seizure susceptibility in drug resistant epilepsy pathologies.	Delhi (UT)
20.	Dr. Darshee Baxi Gujarat Biotechnology research Centre (GBRC), Gandhinagar	Can $\beta$ -glucan-induced gut microbiome metabolites improve PCOS symptoms? An experimental and clinical study	Gujarat
21.	Dr. Amal Kanti Bera Indian Institute of Technology (IIT), Madras	A novel approach of treating GNB1 encephalopathy with GIRK channel modulators and HCA1 receptor agonists	Tamilnadu
22.	Dr. Sandeep Singh BRIC-National Institute of Biomedical Genomics (NIBMG), Kalyani	Study on the epigenetic mechanism of JAK-STAT driven plasticity in oral cancer stem cells for its therapeutic value	West Bengal
23.	Dr. SudhakarBaluchamy Pondicherry University, Puducherry	Investigating the role of DNA Methyltransferase 3B long noncoding RNA in the regulation of tumour suppressor genes and glioblastoma cell proliferation.	Puducherry (UT)
24.	Dr. Mohit Prasad Indian Institute of Science Education And Research (IISER), Kolkata	Investigating Gap junction Function in Phagoptosis; Lessons from Drosophila egg	West Bengal
25.	Dr. Sumit Sen Santara Indian Institute of Science Education And Research (IISER), Kolkata	Development of engineered Natural Killer (NK) cells for adoptiv therapy to achieve in vivo prsistent and efficient killing of target cells -an indigenous approach to treat cancer	West Bengal
26.	Dr. Debasree Dutta BRIC-Rajiv Gandhi Centre For Biotechnology (RGCB), Thiruvananthapuram	Centrosome duplication in stem cells- a novel function of histone chaperone APLF in shaping development	Kerala
27.	Dr. RajakumaraEerappa Indian Institute of Technology (IIT), Hyderabad	Mechanistic studies on regulation of poly(ADP-ribose) polymerases 1 activities by non-DNA factors, and PAR mimetics inhibitors design	Telangana

28.	Dr. Jonaki Sen Indian Institute of Technology (IIT), Kanpur	Investigating how bone morphogenetic protein (BMP) signaling regulates the balance between proliferation and differentiation of neural progenitor cells in the cortex	Uttar Pradesh
29.	Dr. Purusharth I Rajyaguru Indian Institute of Science (IISc), Bangalore	Elucidating the role of low complexity sequences in the disassembly of TDP-43 aggregates	Karnataka
30.	Dr. Arshad Ahmad Pandith Sher I Kashmir Institute of Medical Sciences, Srinagar	Impact of Genotypic and phenotypic expression of SLCO1B1 gene on Methotrexate dosage in the outcome of acute lymphoblastic leukemia	Jammu and Kashmir (UT)
31.	Dr. Siddhartha Sankar Jana DST-Indian Association For The Cultivation Of Science (IACS), Kolkata	An approach to inhibit cancer cell migration and growth by targeting Nonmuscle myosin II and Topoisomerase I	West Bengal
32.	Dr. Jayanta Halder Jawaharlal Nehru Centre For Advanced Scientific Research (JNCASR), Bangalore	In-aqueous fabrication of antimicrobial covalent coating on catheters to mitigate catheter-associated urinary tract infections (CAUTIs)	Karnataka
33.	Prof. Debrupa Lahiri Indian Institute Of Technology (IIT), Roorkee	Developing magnesium alloy based temporary orthopedic implants coated with hydroxyapatite by plasma-spraying.	Uttar Pradesh
34.	Prof. Chandan Mukherjee Indian Institute Of Technology (IIT), Guwahati	Development of organ and functional-specific MRI contrast agents	Assam
35.	Dr. Somen Mondal Institute of Chemical Technology (ICT), Mumbai	Conductive free-standing soft biopolymer for bioelectronic devices	Maharashtra
36.	Dr. B N Srikumar National Institute of Mental Health & Neuro Sciences (NIMHANS), Bangalore	Elucidating the Neurosteroid and Neuronal Plasticity Mechanisms of Premenstrual Dysphoric Disorder (PMDD) in a Rat Model	Karnataka
37.	Dr. Kushaan Khambata ICMR-National Institute for Research in Tuberculosis (NIRT), Chennai	Investigating sperm 5hmC landscape in male infertility and recurrent pregnancy loss	Maharashtra

38.	Dr. Souvik Dey Manipal Academy of Higher Education (MAHE), Manipal	Investigation on the Cohesive Roles of Glycogen Synthase Kinase 3 alpha and FTO in Regulation of Mammalian Spermatogenesis	Karnataka
39.	Dr. Nagarjun Narayanaswamy BRIC-Rajiv Gandhi Centre For Biotechnology (RGCB), Thiruvananthapuram	Development of new activity-based probes for understanding the role of non-apoptotic cell death pathways	Kerala
40.	Prof. Tapas Manna Indian Institute of Science Education and Research (IISER), Thiruvananthapuram	Understanding the role of highly expressed in cancer 1 (Hec1) in controlling expanded organization of kinetochore and its link to mitotic checkpoint signaling	Kerala
41.	Dr. Dibyendu Samanta Indian Institute of Technology (IIT), Kharagpur	Deciphering the role of a novel interaction between nectin-4 and E-cadherin in tumor development and progression	West Bengal
42.	Dr. Devanjan Sinha Banaras Hindu University (BHU), Varanasi	Role of Tim44 in rewiring tumour cell mitochondria to promote cell proliferation and angiogenesis	Uttar Pradesh
43.	Dr. Ujjaini Dasgupta Amity University, Haryana	Identification of Bioactive Lipids as a Liquid Biopsy Tool for Early Detection of Hepatocellular Carcinoma (HCC) and Evaluation of the Treatment Response	Haryana
44.	Dr. Rakesh Laishram BRIC-Rajiv Gandhi Centre For Biotechnology (RGCB), Thiruvananthapuram	Omics of Preeclampsia associated cardiovascular complications – An RNAcentric approach towards molecular understanding	Kerala
45.	Dr. Anupam Mittal Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh	Establishment of novel gene variant for recurrent cardiac myxoma using iPSC derived cardiomyocytes and transgenic murine model	Chandigarh (UT)
46.	Dr. Rajesh Ramachandran Indian Institute of Science Education And Research (IISER), Mohali	Exploring the roles of long non-coding RNA malat1 during retina and fin regeneration in zebrafish	Puducherry (UT)
47.	Dr. Swadhin Jana National Center for Biological Sciences (NCBS), Bangalore	Mechanistic Insight into Mono-to-Oligogenic Inheritance Patterns in Ciliopathies via Metazoan Models and Mutations in Ciliary Transport Machinery	Karnataka

48.	Dr. Anil Kumar Pasupulati University of Hyderabad, Hyderabad	Targeting EMT of Podocytes and Proximal Tubular Epithelial Cells to Combat Diabetic Kidney Disease	Telangana
49.	Dr. Yashwant Kumar BRIC-Translational Health Science And Technology Institute (THSTI), Faridabad	Assessing Environmental Chemical Risk Factors for Type 2 Diabetes: A 24-Year Follow-up Cohort Study	Haryana
50.	Dr. PongaliRaghavendra BRIC-National Institute of Biomedical Genomics (NIBMG), Kalyani	Understanding the molecular mechanism in ceramide induced pathological activation of nek7/nlrp3 – inflammasome	West Bengal
51.	Dr. Vimlesh Kumar Indian Institute of Science Education and Research (IISER), Bhopal	Probing in vivo roles of J-domain and RNA Recognition Motif (RRM)-containing dCwc23 chaperone in neuromorphogenesis and neurodegeneration.	Madhya Pradesh
52.	Dr. Mahendran KR BRIC-Rajiv Gandhi Centre For Biotechnology (RGCB), Thiruvananthapuram	Functional membrane-spanning amyloid pores: from structure and assembly to medicine	Kerala
53.	Dr. Gireesh Gangadharan Manipal School of Life Sciences, Manipal	Neural circuit mechanism of obsessive-compulsive disorder-like checking behaviour in mice: A study with a special focus on the role of hippocampo-medial prefrontal cortical neuronal circuit	Karnataka
54.	Dr. Abhijit Das Indian Institute of Technology (IIT), Kharagpur	Spontaneous neuronal activity induced transcriptional regulation mediated by Mef2 in the origin of Autism Spectrum Disorder	West Bengal
55.	Dr. Amrutha Swaminathan Indian Institute of Science Education and Research (IISER), Thiruvananthapuram	Understanding the contribution of chromatin remodellers to epilepsy	Kerala
56.	Dr. Mahak Sharma Indian Institute of Science Education And Research (IISER), Mohali	Understanding the role of hereditary sensory and autonomic neuropathy gene TECPR2 in cargo sorting and transport from early endosomes	Punjab

57.	Dr. Pradeep Punnakal Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh	Dissecting the Effect of third- generation antiseizure medications in the Amygdala Networks	Chandigarh (UT)
58.	Dr. Aurnab Ghose Indian Institute of Science Education and Research (IISER), Pune	Decoding neural circuits coupling feeding states with anxiety and fear: adaptive modulation by hypothalamic CART neurons	Maharashtra
59.	Prof. Shubha Tole Tata Institute Of Fundamental Research (TIFR), Mumbai	Signaling mechanisms and the regulation of cell fate at the mammalian forebrain midline	Maharashtra
60.	Dr. Varun Bhaskar DST-Jawaharlal Nehru Centre For Advanced Scientific Research (JNCASR), Bangalore	Elucidating the combinatorial effects of C9ALS/FTD-associated disease factors on RNA homeostasis	Karnataka
61.	Dr. Somnath Dutta Indian Institute of Science (IISc), Bangalore	Structural and functional investigations of $\alpha$ -hemolysin in cellular context: insights into membrane remodeling for targeted therapeutics	Karnataka
62.	Dr. Bhaskar Saha Manipal School of Life Sciences, Manipal	Exploring the potential of modulating the pro-survival functions of mitophagy to develop novel anticancer treatment strategies	Karnataka
63.	Dr. Ashwin Laxmikant Kotnis All India Institute of Medical Sciences (AIIMS), Bhopal	Exploration of the correlation of genotype, glycoproteins, and clinical phenotype of disease severity in vitiligo	Madhya Pradesh
64.	Dr. Amitabha Bandyopadhyay Institute of Technology (IIT), Kanpur	Investigating the role of FGF4 in limb skeletal branching	Uttar Pradesh
65.	Dr. Subhash C Lakhotia Banaras Hindu University (BHU), Varanasi	Roles of multiple transcripts of hsr-megalin ncRNA gene of <i>Drosophila melanogaster</i> in development, immunity, and omega speckle organization	Uttar Pradesh
66.	Dr. Rohit Joshi BRIC-Centre For DNA Fingerprinting and Diagnostics (CDFD), Hyderabad	Investigating the role PP1-PNUTS in generation of cell diversity during <i>Drosophila</i> neurogenesis	Telangana

67.	Dr. DasaradhiPalakodeti BRIC-Institute for Stem Cell Biology and Regenerative Medicine (inStem), Bangalore	Unveiling the Mechanisms of Pluripotency through RNA Granules and Mitochondrial Dynamics	Karnataka
68.	Dr. Sourav Kumar Dey Indian Institute of Technology (IIT), Dharwad	Real-time imaging of cancer metabolism using RNA-based sensors	Jharkhand
69.	Dr. Shweta Tyagi BRIC-Centre For DNA Fingerprinting and Diagnostics (CDFD), Hyderabad	Deciphering the functional interaction of BOD1 with KMT2 family	Telangana
70.	Dr. Sam J Mathew DBT-Regional Centre For Biotechnology (RCB), Faridabad	Role of myosin heavy chain-slow in skeletal muscle development and disease	Haryana
71.	Dr. Ramesh Yelagandula BRIC-Centre For DNA Fingerprinting and Diagnostics (CDFD), Hyderabad	Elucidating the Role of ZFP687 in Bone Cell Lineage Specification and Maintenance	Telangana
72.	Dr. Sanjeev Sinha All India Institute of Medical Sciences (AIIMS), New Delhi	To estimate the prevalence and risk factors of metabolic-associated fatty liver disease (MAFLD) and non- alcoholic fatty liver disease (NAFLD) in PLHIV who are on antiretroviral therapy (ART)	Delhi (UT)
73.	Dr. Nitish R Mahapatra Indian Institute of Technology (IIT), Madras	Role of exosome-derived non- coding RNAs in the regulation of renin-angiotensin system under myocardial infarction condition	Tamilnadu
74.	Dr. Sanjeev Shukla Indian Institute of Science Education and Research (IISER), Bhopal	Investigation of hypoxia-induced CTCF, G-quadruplex and chromatin reorganization in regulation of alternative splicing promoting breast cancer progression	Madhya Pradesh
75.	Dr. Siddhartha Roy CSIR-Indian Institute Of Chemical Biology (IICB), Kolkata	Structural Elucidation into NIPBL Promoter Interactions: Novel Insights for Understanding Cornelia de Lange Syndrome (CdLS): a rare disease in human	West Bengal
76.	Dr. Narayan Prasad Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGIMS), Lucknow	Deep Immunophenotyping of Human Whole Blood in patients with Acute Kidney Injury, Acute Kidney Disease, and Chronic Kidney Disease	Uttar Pradesh



77.	Dr. Swapnil Rohidas Shinde Indian institute of Technology (IIT), Bombay	Dissecting mechanisms of functional regulation of ciliary GPCRs pertinent to pancreatic hormonal secretions and glucose metabolism	Maharashtra
78.	Dr. Sabyasachi Rakshit Indian Institute of Science Education And Research (IISER), Mohali	Deciphering the Oscillatory Force Response of Tip-links in Hearing	Punjab
79.	Dr. Ravi Manjithaya DST-Jawaharlal Nehru Centre For Advanced Scientific Research (JNCASR), Bangalore	Elucidating the role of lysosomal hydrolase trafficking in health and disease	Karnataka
80.	Dr. Sai Prasad Pydi Indian Institute of Technology (IIT), BHU	Decoding the Activation of GPCR Signaling via Macrophage Rho Pathways in Obesity and Diabetes	Uttar Pradesh
81.	Dr. Savneet Kaur Institute Of Liver & Biliary Science Sciences (ILBS), New Delhi	Impact of Maternal Metabolic Dysfunction-Associated Fatty Liver disease on Fetal Liver and Overall Health of the Offspring	Delhi (UT)
82.	Dr. Rahul Das Indian Institute of Science Education And Research (IISER), Kolkata	Developing functional T-cells active under high potassium concentration mimicking the tumor microenvironment	West Bengal
83.	Dr. Arnab Barik Indian Institute of Science (IISc), Bangalore	Mechanistic Dissection of the Roles of a Peptidergic Circuitry between the Lateral Hypothalamus and Medial Septum in the Affective-Motivational Components of Pain	Karnataka
84.	Dr. Ravi Muddashetty Centre for Brain Research, IISc, Bengaluru	Investigate the role of mitochondrial protein synthesis in synaptic function and its implications for Alzheimer's Disease	Karnataka
85.	Dr. Shweta Ramdas Centre for Brain Research, IISc, Bengaluru	Elucidating the role of DNA methylation and transposable element activity in age-related cognitive decline in India	Karnataka
86.	Dr. Sivaprakasam Ramamoorthy Centre for Brain Research, IISc, Bengaluru	The molecular and neural basis of glypican-4-mediated tau pathology in Alzheimer's disease	Karnataka

**Biomedical Sciences-II (Program Officer: Dr Vandana Prajapati)**

87.	Prof. Surajit Ghosh, Indian Institute of Technology, Jodhpur	Apta-Sensor Based Microchannel Device for Early Detection of SREBP2/APOe4 Expression in High Risk Alzheimer's Disease Condition with Type2 Diabetes Mellitus	Rajasthan
88.	Dr. Anindita Ukil, University of Calcutta, Kolkata/	Elucidating the novel role of PGE2 signaling in the differentiation of alternatively activated macrophages and T regulatory cell mediated immunosuppression: from mechanism to therapeutics	West Bengal
89.	Prof. Mahavir Singh, Indian Institute of Science, Bangalore	Regulation of ToxIN, a type III toxin- antitoxin RNP complex, assembly and functions	Karnataka
90.	Dr. Krishnendu Chakraborty, Institute of Genomics and Integrative Biology	Role of monocytes against antibiotic-resistant Klebsiella pneumoniae infectio	New Delhi
91.	Prof. Amit Singh, Indian Institute of Science, Bangalore	Structural and functional characterization of sulfur metabolism in Mycobacterium tuberculosis	Karnataka
92.	Dr. Manjula Reddy Centre For Cellular And Molecular Biology, Hyderabad,	Mechanistic Insights into the Regulation of Bacterial Cell Wall Remodeling	Telengana
93.	Prof. Vikas Jain, Indian Institute of Science Education and Research (IISER), Bhopal	Molecular engineering of mycobacteriophage towards development of anti-tuberculosis therapeutics	Madhya Pradesh
94.	Dr. Basudeb Maji, Bose Institute, Kolkata	High-throughput in vivo Biosynthetic Cyclic Peptide Development Targeting CRISPR Adaptive Immunity in Pathogenic Bacteria to Enhance Bacteriophage Therapy against AMR	West Bengal
95.	Dr. Riddhiman Dhar, Indian Institute of Technology, Kharagpur	Investigating the emergence of multi-drug resistance from a large-scale laboratory fitness analysis of multi-mutant variants of $\beta$ -lactamase resistance genes	West Bengal

96.	Prof. Kaustuv Sanyal, Bose Institute, Kolkata	Leveraging Candida albicans D-amino acid oxidase inhibition to protect the host from fungal infections	West Bengal
97.	Dr. Pallabi Mitra, Rajiv Gandhi Centre For Biotechnology Cheruvickal,	Mechanism and regulation of RNAPII transcription and associated functions by DSIF like complex during Toxoplasma stage differentiation	Kerala
98.	Prof. Pradeep Kumar Indian Institute of Technology Bombay, Mumbai Dr. Amit Sharma, ICGB	Development of novel insecticides against Anopheles culicifacies by harnessing phenylalanyl tRNA synthetase (AcFRS) as a target for controlling malaria	Maharashtra New Delhi
99.	Dr. Sai Chaitanya Chiliveri, Indian Institute of Technology, Kanpur,	Unraveling the Initiation Events of Viral Assembly: Insights from the Membrane- Bound Structure of the Capsid in Kyasanur Forest Disease Virus	Uttar Pradesh
100.	Prof. Udaykumar Ranga Jawaharlal Nehru Centre For Advanced Scientific Research, Bangalore	The convergence of the Classical and Alternative NF-kB pathways confers replication advantage on HIV-1C	Karnataka
101.	Dr. Rupesh Dash, Institute of Life Sciences, Bhubaneswar	Decoding epigenetic landscape of drug resistance in colorectal carcinomas (CRC)	Odisha
102.	Prof. Sudhanshu Vrati, Regional Centre For Biotechnology, Faridabad,	Identification and characterization of the host proteins binding specifically to Chikungunya virus genomic RNA and their role in virus replication	Haryana
103.	Prof. Jayasri Das Sarma Indian Institute of Science Education and Research, Kolkata	The role of Ifit2 in regulating glial cell function during neurotropic murine coronavirus infection	West Bengal
104.	Dr. Indranil Banerjee Indian Institute of Science Education and Research Mohali	Systematic evaluation of the vesicle-tethering TRAPP complex components as potential antiviral targets against influenza	Punjab
105.	Prof. Sharmistha Banerjee, University of Hyderabad	Intrinsic Mechanisms and Counter- Mechanisms Of Interferon-Inducible Non-Canonical Effector Functions Of Karyophilic Proteins In Cell-Autonomous Immunity Against Retroviruses	Telangana

106.	Prof. Simanti Datta, Institute of Postgraduate Medical Education and Research, Kolkata	Decoding the phenotypic, functional and metabolic variability of neutrophils during the progressive stages of chronic HBV infection	West Bengal
107.	Dr. Dibyendu Das, Indian Institute of Science Education and Research, Kolkata	Chemotactic Peptide-Based Microswimmers for Biotechnological Applications	West Bengal
108.	Dr. Sayantan Dutta, Indian Institute of Technology Bombay, Mumbai  Dr. Tapomoy, Bhattacharjee, National Centre for Biological Sciences, Bangalore	Designing structured tissues by directed self- assembly of cells using bio-printing and computational tissue engineering	Maharashtra  Karnataka
109.	Dr. Swathi Sudhakar, Indian Institute of Technology Madras, Chennai	Engineering nanoarchaeosome- peptide complexes for osteoprotection in space: A Bone-on -chip study	Tamilnadu
110.	Dr. Renu John, Indian Institute of Technology, Hyderabad	Development of Liver-on-chip models for in vitro liver disease modelling studies	Telengana
111.	Dr. Dhandapany Perundurai, Institute for stem cell biology and regenerative medicine, Bangalore	Novel molecular mechanisms of heart failure using pre-clinical models including human organoids and mice	Karnataka
112.	Dr. Arun Kumar Shukla, Indian Institute of Technology, Kanpur	Elucidating the structure and function of an enigmatic seven transmembrane receptor, the human Duffy antigen receptor for chemokines (DARC)	Uttar Pradesh
113.	Dr. Niti Puri, Jawaharlal Nehru University	Virulence of <i>C. albicans</i> GPI biosynthetic mutants exhibiting hyperfilamentous phenotypes- a study using mammalian cell lines and mouse models	New Delhi
114.	Dr. Arumugam Rajavelu , Indian Institute of Technology Madras, Chennai	Functional studies on unconventional epigenetic marks in <i>Plasmodium falciparum</i> and its role in parasite virulence	Tamil Nadu
115.	Dr. Sunando Datta, Indian Institute of Science Education and Research, Bhopal	Elucidation of molecular machinery and mechanisms that drive trophocytosis in <i>Entamoeba histolytica</i>	Madhya Pradesh

116.	Dr. Suprabhat Mukherjee, Kazi Nazrul University, Asansol	Exploring the role of opportunistic fungal infection on the immunoregulatory pathways that transform host immunity from protection to pathogenesis in filarial patients: relevance to therapeutic intervention of bancroftianfilariasis	West Bengal
117.	Dr. Chittur Srikanth, Regional Centre for Biotechnology, Faridabad,	Mechanistic studies SUMOylation and Salmonella intracellular pathogenesis	Haryana
118.	Dr. Trishna Bal, Birla Institute of Technology, Mesra  Dr. Karmabeer Jena, Central Tasar Research & Training Institute, Ranchi	Inflatable mucoadhesive vaginal tablet coin (VTC) for instant spermicidal actioas local vaginal contraceptive and microbicide	Jharkhand
119.	Prof. Sneha Komath, Jawaharlal Nehru University,	The role of Eri1 (ER-resident Ras inhibitor 1) in controlling filamentation of <i>C. Albicans</i>	New Delhi
120.	Dr. Rupinder Kaur, Centre for DNA Fingerprinting and Diagnostics, Hyderabad	Elucidating signalling mechanisms that govern iron homeostasis and host adhesion in <i>Candida glabrata</i>	Telangana
121.	Dr. Puran Sijwali, Centre for Cellular and Molecular Biology, Hyderabad	Investigation of the role and structural basis for function of Plasmodium falciparum vacuole membrane protein	Telangana
122.	Dr. Soumen Basak, National Institute of Immunology,	Investigating how inflammatory NF-kappaB activity in macrophages modulates Chandipura virus pathogenesis.	New Delhi
123.	Prof. Umesh Varshney, Indian Institute of Science, Bangalore	Role of MutT1 in two-component signaling (TCS) mediated regulation of gene expression, nucleotide homeostasis, and in survival fitness of Mycobacterium tuberculosis	Karnataka
124.	Dr. Sangita, Centre for DNA Fingerprinting and Diagnostics, Hyderabad  Dr. Sudip Ghosh, National Institute of Nutrition, Hyderabad	Role of PPE2 protein of Mycobacterium tuberculosis in the modulation of adipose tissue function and development of insulin resistance.	Telangana

125.	<p>Prof. Rajendra Prasad, Amity University, Gurgaon</p> <p>Dr. Peer Abdul Haseeb Shah, University of Kashmir, Srinagar</p>	Sugar Transporters are new eterminants of drug resistance in Candida auris	<p>Haryana</p> <p>Jammu &amp; Kashmir</p>
126.	<p>Prof. Milan Surjit, Translational Health Science and Technology Institute, Faridabad</p> <p>Dr. Ambadas Rode, Regional Centre For Biotechnology, Faridabad</p>	Development of a circular RNA vaccine formulation co-targeting the Hepatitis A and Hepatitis E viruses	Haryana
127.	Dr. Uddipan Das, All India Institute of Medical Sciences	Structural Insights into Mycobacterium tuberculosis Multidrug Transporter	New Delhi
128.	Prof. Prasenjit Guchhait, Regional Centre For Biotechnology, Faridabad	Investigating the role of platelet factor 4 and CXCR3 in dengue infection in mice with/without diabetes	Haryana
129.	Dr. Krishnamurthy Natarajan, Dr. B.R. Ambedkar Center for Biomedical Research	Deciphering the role of potassium ion channels during mycobacterial infection	New Delhi
130.	Dr. Kushagra Bansal, Jawaharlal Nehru Centre For Advanced Scientific Research, Bengaluru	Evaluation of Topoisomerase 1 as a potential host-directed therapeutic target to treat Sepsis	Karnataka
131.	Dr. Rajesh Chandramohana das, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	Functional Dissection of Host Protein Import by Plasmodium for non-metabolic purposes	Kerala
132.	Dr. Yogesh Karpe, Agharkar Research Institute, Pune	Demystifying the impact of virus infection on the blood coagulation system and exploring the possibility of drug repurposing to treat viral diseases	Maharashtra
133.	Dr. Charu Sharma, Institute of Microbial Technology, Chandigarh	Identification of novel inhibitors of aminoglycoside acetyltransferase, MtbEis, causing drug resistance in Mycobacterium tuberculosis	Punjab
134.	Dr. Abhisheka Bansal, Jawaharlal Nehru University,	Exploring molecular mechanism of glycosylphosphatidylinositol anchored proteins belonging to 6- cys family in asexual erythrocytic development	New Delhi

		of malaria parasite	
135.	Dr. Ramandeep Singh, Translational Health Science and Technology Institute, Faridabad	Deciphering the role of trans encoded sRNA mediated gene regulation in stress adaptation and pathogenesis of M. tuberculosis	Haryana
136.	Dr. Niraj Kumar, Translational Health Science and Technology Institute, Faridabad	Identification of novel and potent growth- inhibiting plasma- proteins	Haryana
137.	Dr. Chiranjib Pal, West Bengal State University, Kolkata	Influence of malaria-non- transmitting mosquito bites on the pathogenicity of Plasmodium vivax in human hosts	West Bengal
138.	Dr. Anmol Chande International Centre For Genetic Engineering and Biotechnology  Dr. Naveet Wig, All India Institute of Medical Sciences	Investigating the pathophysiological role of CD8 T cells in dengue disease	New Delhi