

### List of Other Projects

<b>Name of the Project/ Endowments, Chairs</b>	<b>Name of the Principal Investigator</b>	<b>Year of Award</b>	<b>Duration of the project</b>	<b>Funds provided (Rs.)</b>
Medical Awareness, Capability, Patient Empowerment and Partnership for managing Cancer through E-learning, Demonstrations and Public Awareness Events	<b>Prof. Daman Saluja</b>	2021	2 Years	1963440
Deciphering the cross-talk between Toll Like Receptors and C-type Lectin receptors in mediating immune responses upon mycobacterial infection	<b>Prof. K.Natarajan</b>	2021	3 Years	3840000
Targeted screening of hit molecules and modulation of lead compounds for clinical management of covid 19: in vitro and antiviral evaluation", Drug Discovery Hackathon Phase II	<b>Prof. Madhu Chopra</b>	2021	1 Year	2300000
Targeted screening of hit molecules and modulation of lead compounds for clinical management of covid 19: in vitro and antiviral evaluation, Drug Discovery Hackathon Phase II, MHRD INNOVATION CELL,	<b>Prof. Madhu Chopra</b>	2021	1 Year	2300000
University of Delhi, IoE, 2021-22, "Screening of novel molecules for drug re-purposing for development of antiviral therapeutics against COVID19",	<b>Prof. Madhu Chopra</b>	2021	1 Year	300000
Drug Development: From Target Identification, Validation to Drug	<b>Prof. Madhu Chopra</b>	2020	5 Years	18936000

Dr. B.R. Ambedkar Center for Biomedical Research  
University of Delhi  
Delhi-110007

discovery.				
Designing and evaluation of point of care diagnostic assay For detection of MDR Tuberculosis using Loop mediated isothermal amplification (LAMP) combined with lateral flow dipstick (LFD	<b>Prof. Daman Saluja</b>	2020	2 Years	7000000
Drug repurposing using computer aided design for development of antiviral compounds against COVID19: <i>in silico</i> and <i>in vitro</i> Screening against selected antiviral targets,	<b>Prof. Madhu Chopra</b>	2020	1 Year	500000
Study the Anticancer Potential of Demethoxycurcumin (DMC) alone and in combination with Temozolamide (TMZ) in orthotopic xenograft mice model of GBM	<b>Prof. P M Luthra</b>	2020	1 Year	500000
Designing and evaluation of point of care diagnostic assay for detection of MDR Tuberculosis using Loop mediated isothermal amplification combined with lateral flow dipstick	<b>Prof. Daman Saluja</b>	2019	3 Years	3300000
'Investigating the modulatory role of PPAR beta/delta in pathogenesis of Experimental Cerebral Malaria, to establish it as a potential therapeutic target	<b>Prof. Anju Katyal</b>	2019	3 Years	4848000
Innovative Young Biotechnologist Grant (IYBA) from Department of Biotechnology, Ministry of Science and Technology, Govt of India,2019-22,Comparative analysis of src kinase mediated high glutamatergic activity in the anterior temporal	<b>Dr. Aparna Dixit</b>	2019	3 Year	5816800

Dr. B.R. Ambedkar Center for Biomedical Research  
University of Delhi  
Delhi-110007

lobe (ATL) and Hippocampus of the Hippocampal sclerosis patients,				
Principal Scientific Advisor, Govt. of India, 2018-22, Investigation of the role of mass spectrometric lipid profiles of brain tissues resected from patients with Focal cortical Dysplasia (FCD) in defining the epileptogenic zone (EZ),	<b>Dr. Aparna Dixit</b>	2018	3 Year	6605130
Department of Biotechnology, 2018-23,MEG resource facility, collaborative project with AIIMS,	<b>Dr. Aparna Dixit</b>	2018	3 year	13400674
Deciphering the role of SUMOylation during <i>Mycobacterium tuberculosis</i> infection	<b>Prof. K. Natarajan</b>	2018	3 Years	5453000
Development of a hand held molecular point-of-care test device for infectious diseases (Indo-Canada Impact project).	<b>Prof. Daman Saluja</b>	2017	2 Years	31313000
Deciphering the role of calcium homeostasis in modulating T cell dynamics during <i>Mycobacterium tuberculosis</i> infection	<b>Prof. K. Natarajan</b>	2017	3 Years	8127000
Protein covalent modification by homocysteine: Understanding the reactivity, structural and functional consequences”	<b>DR. L. R. Singh</b>	2017	3 Year	3042000
“Development of novel monoamino oxidase-B ( MAO-B) inhibitor with neuroprotective and disease modifying capabilities for parkinson’s disease: Design, synthesis, insilico, in-vitor and in-vivo studies”	<b>Dr. Chandra Bhushan Mishra</b>	2017	3 Year	4800000
Delineating the mechanism of transcriptional regulation by chromatin remodelling protein, IN080; Identification and characterisation of the protein	<b>Prof. Vani Brahmachari</b>	2016	3 year	5555000

Dr. B.R. Ambedkar Center for Biomedical Research  
University of Delhi  
Delhi-110007

complexes.				
Understanding the role of SIN3, A global transcription regulator in nongenotoxic stress mediated modulation of gene expression	<b>Prof. Daman Saluja</b>	2016	3 Years	7815400
DST Inspire Faculty	<b>Dr. Yatendra Kumar Satija</b>	2016	2 Year	4980000
Study the role of hnRNPA1 (RNA binding protein) in glioma cell drug resistance development	<b>Dr. Ajay K Yadav</b>	2016	3 Year	5759000
Design and development of novel inhibitors of AKR1C1 as potential lead cindidates in treatment of breast cervical & endometrial cancer	<b>Dr. Priyanka Verma</b>	2016	3 Year	3000000
Investigating the role of fractional surface area....on stability and function	<b>Dr. Shafikur Rehman</b>	2015	2 Year	2660000
Characterization of mechanism of degradation of HIF1a by leukemia associated corepressor MTG16 during hypoxia	<b>Dr. Praveen Kumar</b>	2015	2 Year	3300000
Understanding the role of Sin3, a global transcription regulator in non-genotoxic stress mediated modulation of gene expression	<b>Prof. Daman Saluja</b>	2015	3 Year	5772899
Screening and characterization of peptide based inhibitors of b-lactamases	<b>Dr. Md. Tabish rehman</b>	2015	1 Year	2917000
Validation of field trials, scale up and commercialization of sensitive and specific PCR based diagnostics.	<b>Prof. Daman Saluja</b>	2014	3 year	6320000
The Potential use of novel ary1 and alky1 poperazine analogs for the treatment of Alzheimer's disease: An in vivo and in vitro study	<b>Dr. Manisha Tiwari</b>	2013	3 Year	2340000
Mechanism of allosteric regulation of a unique bifunctional antioxidant enzyme peroxyredoxin-6 on post	<b>DR. L. R. Singh</b>	2013	3 Year	8183000

Dr. B.R. Ambedkar Center for Biomedical Research  
University of Delhi  
Delhi-110007

translational				
Biophysical characterization of glycosylated and non-glycosylated forms of Withania somnifera glycoprotein, a therapeutically	<b>DR. L. R. Singh</b>	2013	3 Year	3495000
Impact of cellular memory modules on stress resistance in drosophila	<b>Dr. Vineeta</b>	2013	3 Year	2210000
Effect of multiple osmolytes on protein stability, structure and function	<b>DR. L. R. Singh</b>	2013	3 Year	1900000
Antiproliferating effect of esculetin on AML1-ETO expressing cell line	<b>Dr. Mashook Ali</b>	2013	3 Year	2480000
Understanding the dual function of.... development	<b>Prof. Vani Brahmachari</b>	2012	4 Year	6853400
Deciphering macrophage functions during HIV - M.Tb. co-infection	<b>Prof. K. Natarajan</b>	2012	4 Year	5864000
Deciphering neddylation during M.Tb infection	<b>Prof. K. Natarajan</b>	2012	3 Year	6508000
Epigenetics of Hexokinase II gene in radioresistant cells	<b>Prof. Vani Brahmachari</b>	2012	2 Year	600000
Genome -wide mapping of interaction sites of INO80 on human genome and analysis of its effect of target gene regulation	<b>Prof. Vani Brahmachari</b>	2012	4 year	2312000
Epigenetics of Health and diseases (EpiHed), work package	<b>Prof. Vani Brahmachari</b>	2012	3 year	11970000
Development and clinical evaluation of PCR based method for detection of T. vaginalis and further standardization of Triplex PCR for simultaneous detection of Trichomonas vaginalis	<b>Prof. Daman Saluja</b>	2012	4 Year	1722000
Effect of macromolecular and osmolytic crowders on protein structure and folding	<b>DR. L. R. Singh</b>	2012	3 Year	4001000
Toll-like receptors and signalling mechanisms of T. Vaginalls isolates from asymptomatic and	<b>Dr. Manisha Yadav</b>	2012	3 Year	3250000

Dr. B.R. Ambedkar Center for Biomedical Research  
University of Delhi  
Delhi-110007

asymptomatic women(RGYI)	infected				
Toll-like receptor mediated molecular mechanisms and pathogenesis of Trichomonas vaginalls		<b>Dr. Manisha Yadav</b>	2012	3 Year	2200000
Role of heat shock prtein 70 gene polymorphism		<b>Dr. Kamana Srivastava</b>	2012	2 Year	2600000
Understanding the role of Caenorhabditis elegans Sin-3 in Cep-1 mediated gene repression		<b>Dr. Meenakshi Dwivedi</b>	2012	4 Year	2500000
Synthesis of neuronal nitric oxide synthase (nNos) inhibitors and Role of nNos in Parkinson's Disease		<b>Dr. P. M. Luthra</b>	2012	3 Year	2800000
Sequence and structure determination of the protein tyrosine hydroxylase from leaves of Muruna proteins		<b>Dr. P. M. Luthra</b>	2012	3 Year	1435800
Molecular Mechanisms of Neuroprotection Mediated through Adenosine A2A Receptor		<b>Dr. P. M. Luthra</b>	2012	3 Year	4831002
Creation of Bioinformatics Facility at ACBR since 2006		<b>Dr. Madhu Chopra</b>	2012	13 Years	2575000
Loop mediated amplification (LAMP) based method for detection of active and MDR/XDR pulmonary tuberculosis		<b>Prof. Daman Saluja</b>	2011	4 Year	2287000
Designing of cost effective, quick and easy visualization method for detection of CML, AML and All leukemia patients using molecular beacon		<b>Prof. Daman Saluja</b>	2011	4 Year	4219000
Regulation of voltage Ca channel during M. Tb expression		<b>Prof. K. Natarajan</b>	2010	3 Year	5339000
Study genetic splice variant in cancer disease		<b>Dr. Ajay K Yadav</b>	2010	6 Year	7000000
Investigation of the role of Zinc in hypobaric hypoxia induced memory impairment and neuronal		<b>Dr. Anju Katyal</b>	2009	3 Year	950800

Dr. B.R. Ambedkar Center for Biomedical Research  
University of Delhi  
Delhi-110007

---

damage				
Role of angiotensinogen (M235T) gene and angiotensin-converting enzyme ACE(I/D) gene polymorphisms on blood pressure control with ACE inhibitors in north Indian subjects with essential hypertension	<b>Dr. Kamana Srivastava</b>	2009	2 Year	1728000