

**List of LOIs shortlisted for full proposal submission under Computational Biology Area -5<sup>th</sup> Call of BioCARE, 2018**

*(Individual email will be sent to the selected ones regarding full proposal submission)*

1.	Detoxification of fumonisins and trichothecenes present in the crops and food to increase agricultural yield and decrease food contamination. <b>Loi No: [87]</b>	Dr. Indu Kumari
2.	A comprehensive genomic & protein-protein interaction analysis of mitochondrial dysfunction in context to autism spectrum disorder children from central India for their proper clinical management. <b>Loi No: [276]</b>	Dr. Anvita GuptaMalhotra
3.	Interaction Mechanism Of Actin Cytoskeleton and Cell Membrane: Toward An Understanding of GPCR organization. <b>Loi No: [363]</b>	Dr. Shikha Prakash
4.	Fragment-based drug design of potent inhibitors of Mycobacterium tuberculosis. <b>Loi No: [735]</b>	Dr. Sindhu Thangaraj
5.	Computational analysis of the potential of combination of taxol and noscapinoids (noscapine and its analogues) and experimental evaluation using in vitro model of ovarian cancer. <b>Loi No: [739]</b>	Dr. Seneha Santoshi
6.	Building coarse grained models to understand the conformational dynamics of membrane proteins. <b>Loi No: [799]</b>	Dr. Lakshmi Prasanna Jayanthi
7.	Early detection of brain abnormalities using fetal MRI and neonatal EEG analysis . <b>Loi No: [889]</b>	Prof. Deepa TP
8.	Database development, computational analysis and functional genomics to understand combined stress tolerance in plants: An integrated multi-omics approach. <b>Loi No: [1025]</b>	Dr. Piyush Priya
9.	Whole genome analysis, Phylogenomic study, identification of novel drug targets and T-cell epitopes against malaria parasites, using NGS analysis, assorted integrative computational and comparative genomic approach against Malaria parasites; <b>Loi No: [1139]</b>	Dr. Kanipakam Hema
10.	To generate a compendium of Maturity-onset diabetes of the young (MODY) associated genetic variants with systematic annotation as per the American College of Medical Genetics and Genomics (ACMG) guidelines and establish evidence based methods for genetic testing for MODY and/or gestational diabetes for North Indian population. <b>Loi No: [1140]</b>	Dr. Preeti Karwal