

Short listed candidates for stage-II (for presentations on 20-21st March, 2017)- IYBA 2016 reg.

Sl. No.	Applicant Name	Title of the Project	Name of Institute
1	Bushan J Toley	Automatic Paper Machines for Rapid Detection of Antimicrobial Resistance at the Point-of-Care	IISc, Bangalore
2	Deepa Subramaniyam	Regulation of embryonic stem cell fates by Caveolin1	NCCS, Pune
3	Dr. Abhinav Grover	Keratinase guided repurposing to clear prion amyloid plaques	JNU, New Delhi
4	Dr. Arti Dhar	Role of sodium glucose co-transporter 1 (SGLT1) in the pathogenesis of diabetic cardiomyopathy	BITS, Pilani- Hyderabad Campus
5	Dr. Devasena Anantharaman	Targeted mutation profiling of head and neck cancer	RGCB, Kerala
6	Dr. Durba pal	Exploring the role of micro-RNAs in cellular plasticity within the tumor microenvironment for development of cell based therapies.	IIT Ropar, Punjab
7	Dr. John B Johnson (Ramalingaswami Fellow)	Design and development of next generation programmable vesicular stomatitis virus (M51R) based oncolytic vector encoding anaphylatoxic complement components.	RGCB, Kerala
8	Dr. Jyotilakshmi Vadassery	Mechanistic understanding and utilization of fungal endophyte to enhance plant resistance against insect pest, <i>Spodoptera litura</i>	NIPGR, New Delhi
9	Dr. Mahendran K R (Ramalingaswami Fellow)	Controlled assembly of transmembrane α -helix-barrel pores for single-molecule sensing	RGCB, Kerala
10	Dr. Nandana Bhardwaj	Three dimensional (3D) osteoarthritis disease model: A high throughput platform for in vitro drug screening and disease diagnosis.	Institute of Advanced Study in Science and Technology (IASST), Guwahati, Asom
11	Dr. Nathella Pavan	characterization of monocyte activation and function in Tuberculosis-Diabetes co-morbidity	National Institute for Research in Tuberculosis, Chennai
12	Dr. R Nagender Rao	Exploring PE11, an esterase involved in regulating cell wall architecture of mycobacterium as potential therapeutic target of tuberculosis	CDFD, Hyderabad

13	Dr. Radhakrishnan E K	Mechanistic basis of mode of action of fungal associated molecular pattern (FAMP) to simultaneously boost both biocontrol agent and plant	Mahatma Gandhi University, Kottayam, Kerala
14	Dr. S. Anuradha	Direct – 3D wet printing of photo-crosslinkable small diameter hollow living vascular construct	SASTRA University, Tamilnadu
15	Dr. Sarvanan M	Deciphering the Roles of Mycobacterial “SOS” Response Regulated Toxin-Antitoxin (VapBC40) Module in persistence and antibiotic resistance	IIT Kanpur, UP
16	Dr. Shijulal Nelson Sathu (Faculty Fellow Science Bioinformatics)	Towards a better understanding of bacterial drug resistance– Role of lateral gene transfer in shaping bacterial resistome structures	RGCB, Kerala
17	Dr. VGM Naidu	Design, Synthesis and development of nano formulations with Diosgenin-Aminoacid conjugates as targeted delivery systems via EphA2 receptors for anti cancer drugs	NIPER, Hyderabad
18	Dr. Vikas Yadav (Ramalingaswami Fellow)	Role of Nuclear Receptor Coactivator PGC1 β in Cartilage Tissue Engineering: A Molecular Approach to Fine Tune Chondrogenesis	Central University of Haryana, Haryana
19	Parul Mishra	Investigating mechanisms regulating prion formation and propagation in vivo	CDFD, Hyderabad
20	Rahul Kumar	Probing the role of clathrin-mediated endocytosis components in tomato	University of Hyderabad
21	Shankar Prasad Kanaujia	Elucidating the structural and functional role of ribosomal RNA methyltransferases in <i>Helicobacter pylori</i>	IIT Guwahati, Asom
22	Suchi Goel	Decoding molecular basis of Plasmodium gametocyte sequestration to disrupt transmission of malaria parasites.	IISc, Bangalore
23	Suneel Kateriya	Development of optogenetic tools for deciphering the role cGMP in ciliogenesis, maintenance of the cilium and its importance in the ciliopathies.	JNU, New Delhi

24	Mahua Maulik	Effect of neuroinflammation induced by viral infection on Alzheimer's disease pathological features	Indian Institute of Science Education & Research, Kolkata
25	Ashish Misra	Development of an efficient biocatalyst for the production of fumaric acid	IIT Delhi
26	Sayeed Ur Rahman	"Molecular characterization of alternatively spliced isoforms of serpin superfamily genes from mouse genome through bioinformatics tools and molecular biology techniques".	Jamia Millia Islamia, New Delhi
27	Dr. Amit Kumar	Structural Studies for rational design of small molecule modulators targeting pathogenic RNA and DNA.	IIT Indore
28	Dr. Amit Prabhakar	Lab on Chip Device, Consisting of Micro-Lens Shaped Micropillars Array Integrated with Microfluidic Blood Plasma Separation Unit, for Quantum Dots Based Detection of Cancer Biomarkers	Indian Institute of Information Technology, Allahabad
29	Dr. Inderjeet Kaur Bachhal	Exploring the methyl transferases in Plasmodium falciparum as potential targets for therapeutic interventions.	ICGEB, New Delhi
30	Dr. Mahendra Seervi	Reversal of apoptosis: role of anastasis in cancer drug resistance and relapse	Patna University
31	Dr. Ramu S Vemanna	Disruption of genome integrity to create genetic variability by editing (using CRISPR-CAS9) the genes associated with DNA mismatch repair and characterization of their relevance in crop improvement.	University of Agriculture Science, Bangalore
32	Dr. Shaily Tomar	Development of novel molecular diagnostic methods for Chikungunya virus	IIT Roorkee
33	Pranita P Sarangi	Role of $\beta 1$ and $\beta 3$ integrins in neutrophil migration into bovine milk during healthy and mastitis conditions	IIT Roorkee
34	Satendra Kumar Mangrauthia	Engineering of yield associated genes using CRISPR/Cas genome editing tool for increasing yield of Black Aromatic Rice of North-East States	Indian Institute of Rice Research, Hyderabad
35	Dr. Jitender Giri	Understanding the Molecular Regulation of Root Hair Development in Chickpea for Crop Improvement	NIPGR, New Delhi

36	Dr. Sejal Desai	Probing the role of extracellular matrix stiffness in exosome secretion, and its influence on cancer invasion	IIT Bombay
37	Dr. Archana Singh	Title-Understanding determination of epidermal cell fate by fibroblasts in common skin diseases that primarily affect the epidermis layers.	CSIR-Institute of Genomics & Integrative Biology, Mathura Road (Near CSIR-CRRI), New Delhi, 110020
38	Dr. Tarun Kumar Sharma	“Aptamer based rapid diagnosis of snake bite: An unmet Indian need “	THSTI, Gurgaon
39	Dr. Vijay Kumar Prajapati	To investigate the antileishmanial activity of secondary metabolites and bioactive proteins isolated from the actinomycetes present in natural source Sambhar salt lake, Rajasthan	Central University of Rajasthan
40	Dr. Vijaya Majumdar	A study of Neuroprotective aspects of Klotho Biology	National Institute of Mental Health and Neurosciences, Bangalore
41	Karishma S Kaushik	An in vitro, human-relevant, biomimetic Chronic Wound Infection Platform: To Study Host-Microbial Dynamics and Develop Precision-Based Therapeutics	Bharati Vidyapeeth University, Pune
42	Neeraj Kumar Garg	Design and Development of Nano-based Pharmaceutical Product for Effective Delivery of Biosimilar (r-PTH) for the Treatment of Osteoporosis	Panjab University, Chandigarh