

# **SwarnaJayanti Fellowships Scheme- 2018-19**

**Shortlisted Candidates for Presentation before Subject Area Committee  
in**

**Life Sciences**

**Date of Presentation/ Meeting: Monday, 14<sup>th</sup> October, 2019**

**Time: 9.00 a.m.**

**Venue: Indian National Science Academy  
Bahadur Shah Zafar Marg  
(Near ITO Metro Station)  
New Delhi-110002**

<b>S.No</b>	<b>Project Title / Temporary Reference No.</b>	<b>Applicant Name &amp; Address</b>
1.	Deciphering the role of toxins in bacterial stress adaptation and shaping communities (DST/SJF/LS/2019/3)	<b>Dr. Krishan Gopal</b> Structural Biology Laboratory CSIR Institute of Microbial Technology (IMTECH), Sector- 39 A Chandigarh-160036
2.	Communication strategies of large-scale neural networks underlying social cognition  (DST/SJF/LS/2019/11)	<b>Dr. Arpan</b> Cognitive Brain Dynamics Lab National Brain Research Centre, NH-8, Manesar, Gurgaon-122051
3.	Impact of Genomic Tandem Repeats on Gene-expression Regulation and Evolution (DST/SJF/LS/2019/24)	<b>Dr. Sreenivas Chavali</b> Department of Biology, Indian Institute of Science Education and Research Tirupati (IISER-Tirupati), Rami Reddy Nagar, Karakambadi Road, Mangalam, Tirupati- 517507
4.	Harnessing the therapeutic efficacy of cell-secretome embedded within bioengineered 3D matrices mimicking cellular micro-niche and cross talk towards cell-free regenerative medicine applications. (DST/SJF/LS/2019/27)	<b>Dr. Biman B Mandal</b> Deptt. of Biosciences and Bioengineering Indian Institute of Technology Guwahati Guwahati -781039
5.	Designing novel synbiotics for the Indian population using a simulated gut bioreactor: A new paradigm in gut microbial biotherapeutics (DST/SJF/LS/2019/34)	<b>Dr. Vineet Kumar Sharma</b> Deptt. of Biological Sciences, Indian Institute of Science Education and Research Bhopal (IISER-Bhopal), Bypass Road, Bhauri, Bhopal -462066
6.	Pathological consequences of hypoxia-derived exosomes on breast cancer transcriptome (DST/SJF/LS/2019/48)	<b>Dr. Sanjeev Shukla</b> Deptt. of Biological Sciences, Indian Institute of Science Education and Research Bhopal (IISER-Bhopal), Bypass Road, Bhauri, Bhopal -462066

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7.	Dissecting the mechanisms of polarity establishment in animal cells (DST/SJF/LS/2019/49)	<b>Dr. Sachin Kotak</b> Deptt. of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru -560012
8.	Understanding the Regulatory Mechanisms of Sphingolipid Metabolism in Tumor Microenvironment in Response to a Combination of Dietary Restriction and Chemotherapy to Develop Future Therapeutic Interventions for Breast Cancer Treatment (DST/SJF/LS/2019/50)	<b>Dr. Avinash Bajaj</b> Regional Centre for Biotechnology, NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurgaon Expressway, P.O. Box No. 3, Faridabad -121001
9.	Discerning and altering the nanomachinery involved in the early onset of Alzheimer's Disease at excitatory synapses (DST/SJF/LS/2019/59)	<b>Dr. Deepak Nair</b> Centre for Neuroscience, Indian Institute of Science, Bengaluru-560012
10.	Lipid Droplet associated proteins-functions beyond lipid metabolism in Mycobacterium tuberculosis infected macrophages (DST/SJF/LS/2019/84)	<b>Dr. Sheetal Gandotra</b> CSIR- Institute of Genomics and Integrative Biology, Mall Road, Delhi -110007
11.	Mitochondrial beta-barrel bioenergetics and molecular proteostasis in native membranes (DST/SJF/LS/2019/121)	<b>Dr. Radhakrishnan Mahalakshmi</b> Deptt. of Biological Sciences, Indian Institute of Science Education and Research Bhopal(IISER-Bhopal), Bypass Road, Bhauri, Bhopal-462066
12.	Unlinking phosphate deficiency responses from their adverse effects on growth in rice (DST/SJF/LS/2019/132)	<b>Dr. Jitender Giri</b> National Institute of Plant Genome Research, Aruna Asaf Ali Marg, P.O. Box No. 10531 New Delhi -110067
13.	Understanding mycophagous and anti-bacterial activity of a rice associated bacterium (DST/SJF/LS/2019/135)	<b>Dr. Gopaljee Jha</b> National Institute of Plant Genome Research, Aruna Asaf Ali Marg, P.O. Box No. 10531 New Delhi -110067
14.	How Improper Spatial-Transmissible Sequestration of Ribosomal Quality Control RQC Components During Proteostasis Defects Contributes In Imperfect Ageing Neurodegeneration (DST/SJF/LS/2019/138)	<b>Dr. Amit Mishra</b> Deptt. of Bioscience and Bioengineering, Indian Institute of Technology- Jodhpur, Jodhpur -243011
15.	Alternative Polyadenylation in gene expression Implications in cardiovascular diseases (DST/SJF/LS/2019/145)	<b>Dr. Rakesh Singh Laishram</b> Rajiv Gandhi Centre for Biotechnology (RGCB), Thycaud Post, Poojappura, Thiruvananthapuram-695014