Ph.D. Spring Semester Topic allocation 2017-18

Sr. No.	RBS No.	Name of Candidate	Project Code	Title of research project	Name of Guide/ Co-guide
1	RBS201720212	Janhavi Rajan Devrukhkar	**BME2**	Gold Based Nanostructures in Cancer Photothermal Therapy	Rohit Srivastava
2	RBS201720144	Raunekar Vividha Ram	**BME3**	Tissue Adhesives for wound healing	S Sen
3	RBS20172023	Pankaj Kumar	**BT 18**	Identification and characterization of candidate P. vivax proteins involved in invasion pathways	S. Patankar Co-Guides- Pradip Rathod (Univ of Washington, Seattle & Manoj Duraisingh (Harvard School of Public Health, Boston)
4	RBS20172046	Aritra Sen	**BT 03**	Computational study of interactions of various potential anti-cancer drugs with cancer drug-resistant tubulin istopyes	Ambarish Kunwar
5	RBS20172048	Athira Pushpakaran	**BT 15**	Understanding the cell division machinery of Streptococcus pneumoniae	Dulal Panda Co-guide - Anirban Banerjee
6	RBS20172049	Kuldeep Sharma	**BT 01**	Exploring role of autophagy in clonal evolution of Streptococcus pneumoniae	Anirban Banerjee
7	RBS20172060	Kusumika Sinha Roy	**BT 24**	Studies on molecular mechanisms involved in the preferential utilization of aromatic compounds by Pseudomonas putida CSV86	P Phale
8	RBS20172069	Rituparna Saha	**BT 16**	Understanding the structural basis of pore formation by pore forming toxins	Prasenjit Bhaumik
9	RBS20172083	Deshmukh Anuradha V	**BT 17**	Structure based development of potent antimalarial compounds targeting plasmepsins from P. falciparum	Prasenjit Bhaumik
10	RBS20172090	Ajay Singh Sawner	**BT 13**	Understanding familial forms of Parkinson's diseases pathogenesis based on α-Synuclein familial mutations	Samir K Maji

11	RBS201720100	Manisha Poudyal	**BT 14**	Understanding aggregation and amyloid formation by human growth hormone (GH) and prolactin (PRL) associated with their secretory granules storage and release	Samir K Maji
12	RBS201720120	Ambike Shubhankar Sunil	**BT 26**	Scaffold-based cellular reprogramming	Prakriti Tayalia
13	RBS201720123	Md Ramiz Raza	**BT 08**	How does bacteria behave under microfluidic confinement?	Debjani Paul
14	RBS201720127	Sweety Rameshkumar Asja	**BT 21**	Understanding the proteomics of cancer patients to improve CAR-T cell therapy	Rahul Purwar
15	RBS201720128	Madugula Santosh Kumar	**BT 10**	Evolution and Mechanism of bacteriophage genome packaging systems	Kiran Kondabagil
16	RBS201720129	Shweta Santra	**BT 02**	Evaluation of signaling mechanisms relating damage in the pathogen containing vacuole and bacterial killing	Anirban Banerjee
17	RBS201720239	Chaitanya Haram	**BT 22**	CAR-T cell therapy: targeting CD19 for B-ALL patients	Rahul Purwar
18	RBS201720262	Savita Kumari	**BT 09**	Measurement of physical properties of blood cells using microfluidics	Debjani Paul
19	RBS201720284	Ganjave Snehal Dattatraaya	**BT 25**	Structure-Function studies on Carbaryl hydrolase	P Phale
20	RBS201720286	Shirley Bharat Dixit	**BT 12**	Development of amyloid based hydrogel for neuronal tissue engineering application	Samir K Maji Co-guide: Dr. Vidita Vaidya, TIFR
21	RBS201720289	Patil Rucha Suhas	**BT 19**	Computational modeling of cancer invasion and tumor heterogeneity	S Sen
22	RBS201720295	Ankesh Kumar Jaiswal	**BT 23**	Examining efficacy of humanized anti-CD19 CAR T cells	Rahul Purwar