



SIKKIM STATE COUNCIL OF SCIENCE & TECHNOLOGY

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Date 01/08/2018

Press Release

Invited lecture on “Chemo-Genomic Screen of *piggyBac* Mutants: a powerful tool to understand Malaria”

One day invited lecture was organized by Advance Level State Biotech Hub, Sikkim State council of Science & Technology on 1st August 2018 at Vigyan Bhawan, Deorali, Gangtok. The programme started with the welcome address by Dr. B.C Basistha, Additional Director, Biotechnology Division, SSSC&T. He welcomed all the participants and the resource person in the programme. He also introduced the resource person Dr. Anupam Pradhan, Assistant Professor (Microbiology), City University of New York Kingsborough Community College Brooklyn, USA and highlighted his research contributions. Participants were scientist, research scholars, professors, doctors from different scientific organizations, college and universities.

Dr. Pradhan delivered talk on “Chemo-Genomic Screen of *piggyBac* Mutants: a powerful tool to understand Malaria” which he carried out in South Florida, Tampa. He works on *piggybac* (transposons) mutants of Malaria against the various drugs which are available in the market. Dr.Pradhan emphasize the research on Malaria as Malaria is the tropical disease caused by Plasmodium falciparum and half of the world’s population or 3.3 billion people are at risk of malaria (109 countries or territories).It is considered as “Global Killer” and one of the 5th infectious disease in the world. Dr.Pradhan has worked in the process of drug discovery against malarial parasite.



Dr.Pradhan has carried out forward as well as reverses chemical genetics to identify the phenotype and mutated gene, also to understand the function of the mutated gene of malarial parasite. He has also done functional profiling of piggybac mutants which can speed up anti-malarial drug discovery.

Dr.K.jayakumar, Member Secretary, Sikkim state council of Science & Technology has concluded the lecture with his appreciation to the work done by Dr. Anupam Pradhan and also encourages the research scholars of the State to carry out such high-end research.