

One Day Symposium of School of Biological Sciences, IACS

On 27th February, 2020 at C.V. Raman Hall, IACS

10:30 -10:45 am Inauguration & a lecture by Dean (Academic - Bachelors and Masters), IACS

Prof. Tapas Chakraborty

Session-1

Chair Person: Prof. T. Chakraborty, IACS

10:45-11:25 Speaker: Prof. Krisnannada Chattopadhyay (**Invited Lecture-1**)

Title: Early events of protein aggregation and its relevance to neurodegeneration

11:25-11:40 am: Tea Break

Session -2 Chair: Prof. Prasanta K. Das

11:40 -12:00 Talk 1, Speaker: Mr. Dipayan Bairagi

Title: Modulation of Mechanical Rigidity & Thermal Stability of Peptide Based Hydrogel for Cell Culture

12:00-12:20 Talk 2, Speaker: Ms. Madhuparna Roy

Title: Heme in Alzheimer's Disease

12:20-12:40 Talk 3, Speaker: Ms. Monalisa Chowdhury

Title: Photosensitizer Tailored Surface Functionalized Carbon Dots for Visible Light Induced Targeted Cancer Therapy

12:40-13:00 Talk-4, Speaker: Mr. Parijat Biswas

Title: Study of macromolecular crowding in live cells through fluorescence anisotropy of EGFP

13:00-14:00 Lunch

Session-3

Chair: Prof. Siddhartha Sankar Jana

14:00-14:20 Talk-5, Speaker: Ms. Tanushree Mana

Title: Designed probes for nanoscale sensing of nucleic acid sequences

14:20-15:00 Dr. Deepak Kr. Sinha (**Invited Lecture 2**)

Title: ROS mediated cytoplasmic stiffening impairs the phagocytic ability of the macrophage

15:00-15:40 Prof. Prosenjit Sen (**Invited Lecture 3**)

Title: Tissue factor -FVIIa from Coagulation to Cancer

15:40-16:00 Talk-6 Speaker: Mr. Kumarjeet Banerjee

Title: Understanding the regulation of NM II-C expression in breast cancer by miRNAs

16:00-16:20 Talk-7 Speaker: Ms. Srijita Paul Chaudhuri

Title: Prolonged trapping of DNA Topoisomerase 1-DNA complexes by novel quinoline derivatives overcome the limitation of Camptothecins

16:20-16:40 Talk-8 Speaker: Ms. Anindita Bhattacharya

Title: Investigating the role of autophagy in the background of monocyte to macrophage differentiation

16:40-17:20 Prof. Surajit Sinha (**Invited Lecture-4**)

Title: Development and Delivery of a Right Antisense Drug: A Therapeutic Approach for the Treatment of Genetic Disorder Diseases

17:20 – 17:30 Valedictory Session & vote of thanks and Tea

Prof. A. Banerjee, IACS