



Annual Meeting of School of Biological Sciences (SBS), IACS

On 25th February, 2022; 10.00 – 16.45

Online Link: <https://meet.google.com/vpf-sdyd-thy>



Patron:

Prof. Tapas Chakraborty
Director, IACS

Organising Committee:

Prof. Prasanta K Das,
Chair-SBS
Prof. Arindam Banerjee
Prof. Rupa Mukhopadhyay
Prof. Siddhartha S Jana
Prof. Prosenjit Sen
Prof. Soddatta Ghosh Dey
Prof. Benu Brata Das
Dr. Deepak K Sinha
Dr. Ritesh R Pal

Invited Speakers:

Prof. Raghavan Varadraj, IISC Bangalore - "Design of a COVID-19 protein subunit vaccine"

Prof. Thomas J Pucadyil, IISER Pune - "Insights into mechanisms regulating T-tubules biogenesis from in vitro reconstitution"

Prof. Prosenjit Sen, IACS - Kolkata - "Immunomodulatory potential of coagulation factors in cancer immune evasion: from cytotoxic T cells to cancer associated macrophage"

Prof. Benu Brata Das, IACS - Kolkata - "Trapping of protein-DNA complexes: Traffic jams that trigger genome instability"

Student Speakers:

Kousik Gayen - "Solvent-directed transformation of the self-assembly from H to J and tuning of optical property of a peptide-appended core-substituted naphthalenediimide."

Anup Kumar Ghosh - "Nipecotic Acid Tethered Naphthalene Diimide based Orange Emitting Organic Nanoparticles as Targeted Delivery Vehicle and Diagnostic Probe towards GABA A Receptor Enriched Cancer Cells."

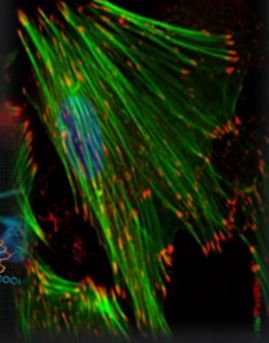
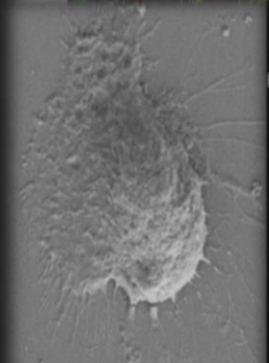
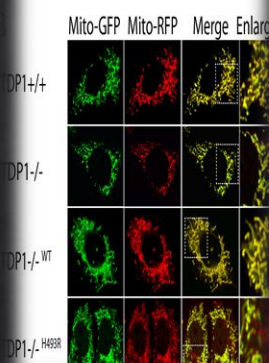
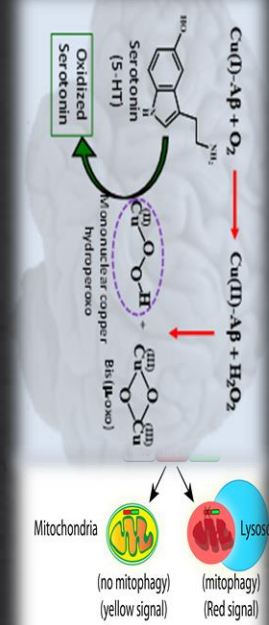
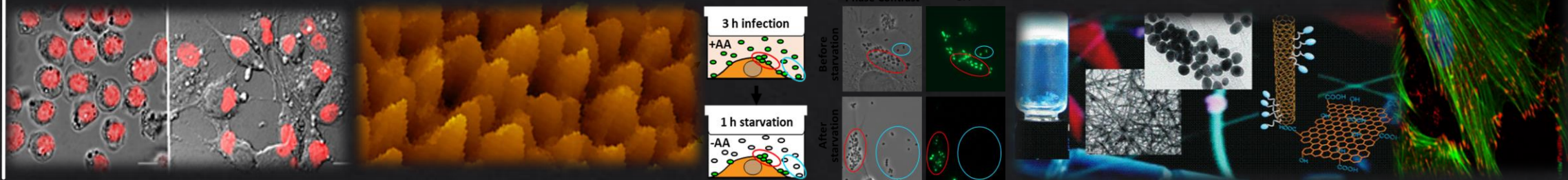
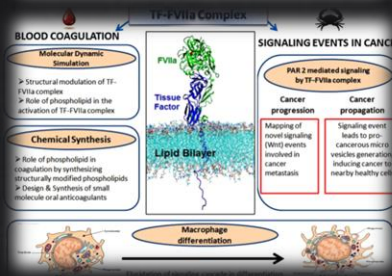
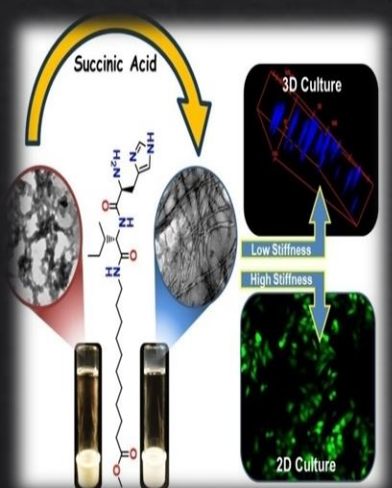
Sourav Mondal - "Structural consequences of HMGB1 binding to the dsDNA loops formed by platinum anticancer agents."

Indranil Ghosh - "Switching between membrane protrusive activities enhances cellular migration."

Arpona Sing - "Elucidation of the signaling pathways for enhanced exosome release from mycobacterium infected macrophages and subsequent induction of differentiation."

Parijat Biswas - "Fluorescence anisotropy of EGFP as a probe for intracellular macromolecular crowding."

Srijita Paul Chowdhuri - "In vivo studies show novel role of Pyridine-Imidazo-Quinoline (PIQ) derivative to clear Multi-drug resistant (MDR) Leishmania infection by poisoning Leishmania donovani bi-subunit Topoisomerase."



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Welcome note: Prof. Prasanta K Das, Chair-SBS; 10.00

Opening Remark: Prof. Tapas Chakraborty, Director, IACS; 10.05

Session 1: Chair: Prof. Rupa Mukhopadhyay

Speaker	Title	Time
Prof. Raghavan Varadraján	Design of a COVID-19 protein subunit vaccine	10:15-11:00
Prof. Benu Brata Das	Trapping of protein-DNA complexes: Traffic jams that trigger genome instability	11:05 -11:35

Tea Break: 11:35-12:00

Session 2: Chair: Dr. Deepak K Sinha

Kousik Gayen	Solvent-directed transformation of the self-assembly from <i>H</i> to <i>J</i> and tuning of optical property of a peptide-appended core-substituted naphthalenediimide	12:00-12:15
Anup Kumar Ghosh	Nipecotic Acid Tethered Naphthalene Diimide based Orange Emitting Organic Nanoparticles as Targeted Delivery Vehicle and Diagnostic Probe towards GABA _A Receptor Enriched Cancer Cells	12:15-12:30
Sourav Mondal	Structural consequences of HMGB1 binding to the dsDNA loops formed by platinum anticancer agents	12:30-12:45
Indranil Ghosh	Switching between membrane protrusive activities enhances cellular migration	12:45- 13:00

Lunch: 13:00-14:00

Session-3: Chair: Prof. Arindam Banerjee

Prof. Thomas J Pucadyil	Insights into mechanisms regulating T-tubules biogenesis from in vitro reconstitution	14:00-14:45
Prof. Prosenjit Sen	Immunomodulatory potential of coagulation factors in cancer immune evasion: from cytotoxic T cells to cancer associated macrophage.	14:50-15:20

Tea Break: 15:20-15:45

Session 4: Chair: Prof. Siddhartha S Jana

Arpona Sing	Elucidation of the signaling pathways for enhanced exosome release from mycobacterium infected macrophages and subsequent induction of differentiation	15:45-16:00
Parijat Biswas	Fluorescence anisotropy of EGFP as a probe for intracellular macromolecular crowding	16:00-16:15
Srijita Paul Chowdhuri	<i>In vivo</i> studies show novel role of Pyridine-Imidazo-Quinoline (PIQ) derivative to clear Multi-drug resistant (MDR) <i>Leishmania</i> infection by poisoning <i>Leishmania donovani</i> bi-subunit Topoisomerase 1	16:15-16:30

Vote of Thanks: 16:35 – 16:45
Dr. Ritesh R Pal