

November 2023

IISER KOLKATA

MONTHLY NEWSLETTER



NEWSLETTER

Indian Institute of Science Education and Research Kolkata (IISERK) is an Institute of National Importance established as an autonomous institute for higher education by the then Ministry of Human Resource Development (now Ministry of Education), Government of India, to promote high-quality education and research in basic sciences.



Prakash Biswas from DBS HPI lab has won the best poster award in the 11th INTERNATIONAL CONFERENCE LABORATORY ANIMAL SCIENTISTS' ASSOCIATION (LASA) INDIA, LASACON 2023, held in IISc Bengaluru.

Mr. Raju Sarkar (19RS113) won the best poster award at the Society of Physical Chemistry (SoPhyC) Conference 2023, held between October 29-31 at IIT Kanpur.

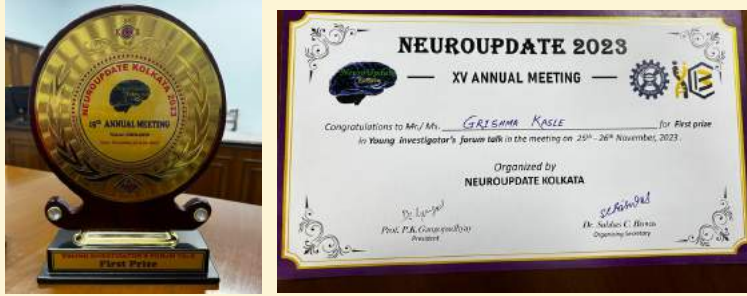
Mr. Saptarshi Maji (18RS020) has won the Camillo Golgi Best Poster Award at the Organelle Biology & Membrane Trafficking (OBMT) Conference 2023. OBMT 2023 was held between October 9th-11th at the National Brain Research Centre (NBRC), Manesar.

Director NRSC has sanctioned a project titled "Study of Coastal Carbon Dynamics of Sundarbans Estuary" under ISRO Geosphere-Biosphere Program (IGBP) - Coastal Carbon Dynamics (CCD). The project is approved with a sanctioned budget of Rs.59.54 Lakhs for a period of 3 years. We have signed an MOU for executing the project on 07-11-2023. An amount of Rs.8.0Lakhs was transferred for the project execution for the FY 2023-24.



Prof. Mark Tuckerman, a distinguished theoretical chemist from New York University delivered the Institute Colloquium on November 1st. He had extensive interactions with our faculty members and students.

Ms. Grishma Kasle, CSIR Senior Research Fellow from Prof. Jayasri Das Sarma's laboratory at the Department of Biological Sciences, IISER Kolkata, has won the first prize for Oral presentation under the "Young Investigators forum talk" at the 15th Annual meeting of Neuroupdate Kolkata scheduled on November 25 & 26, 2023. Neuroupdate is a group of neuro-academics, both neuro-clinicians and basic neuroscientists, in the city of Kolkata, India, who have been organizing meetings since 2008 under the umbrella of NeuroUpdate. The conference was held at the CSIR-Indian Institute of Chemical Biology, Jadavpur, Kolkata, India



IISER Kolkata has won the 1st Prize in the "9th Vibrant India 2023" program, held in New Delhi from November 3-5, 2023. In this program, our team (Dr. Amirul Mallick, Ms. Afruja Khan, and Ms. Sucharita Bhowmick) showcased IISERK's contribution to fostering excellence in education and ongoing research on "Animal health and Food safety".



IISER Kolkata celebrated the birthday of Bhagwan Birsa Munda under the aegis of Jan Jatiya Gaurav Diwas 2023. On the occasion, eight tribal women were felicitated and Dr. Debdatta Chowdhury, CSSSC gave a talk on "Tribal Women Empowerment".



This year, Team iGEM IISER Kolkata has won the Gold Medal in the iGEM 2023 Jamboree. This is their fourth consecutive gold for our Institute in the iGEM competition.



This year the Institute Foundation Day lecture was delivered by Dr. Radha Rangarajan, Director, CSIR-CDRI Lucknow.



IISER Kolkata was recognised as a regional centre under the Vigyan Pratibha program spearheaded by HBCSE, TIFR, Mumbai last year. The second phase of the teachers' training program for 2023-24 was conducted on campus during 06-09 November 2023. A total of 42 teachers attended the workshop from various KVs, JNVs, and AECS schools of West Bengal and Jharkhand. The program was primarily designed by Prof. P K Mohanty on behalf of the VP team. Several learning modules in Science and Mathematics were conducted, in addition to plenary talks and basic skills development sessions.

Seminar's and Colloquia

[DMS Seminar] Md Amir Hossain (IISER Bhopal) -- Topological fundamental groupoid, Date: Wednesday, Nov 01, 2023.

[CCES Seminar] Zahid Ahmad Ganie (Environmental Nanoscience Laboratory, Department of Earth Sciences, IISER Kolkata) -- Era of Plasticine: Microplastics in the Indian Riverine systems and their remediation using Eco-friendly composites, Date: Wednesday, Nov 01, 2023.

[DPS Colloquium] Prof. Sudeshna Sinha (IISER, Mohali) -- Disorder in aid of Order, Date: Wednesday, Nov 01, 2023.

[DBS Seminar] Prof. Shamik Sen (Professor, Department of Biosciences & Bioengineering, IIT Bombay) -- Biophysics of Cancer Invasion & Tumor Heterogeneity, Date: Wednesday, Nov 01, 2023.

[CESSI Seminar] Riddhi Bandyopadhyay (Princeton University, USA) -- The Nature of Turbulence near the Sun: Recent Results from the Parker Solar Probe Mission, Date: Thursday, Nov 02, 2023.

[Foundation Day Lecture] Dr. Radha Rangarajan (CSIR-Central Drug Research Institute), Date: Friday, Nov 03, 2023.

Vigyan Pratibha Workshop, Date: Monday, Nov 06, 2023.

[DBS Seminar] Prof. Dhananjay Bhattacharyya (Professor, Computational Sciences Division, Saha Institute of Nuclear Physics, Kolkata) -- Structural Bioinformatics of RNA, Date: Wednesday, Date: Nov 08, 2023.

[DBS Seminar] Mr. Mrinmoy Pal (Institute of Epigenetics and Stem Cells (IES), Helmholtz Zentrum München) -- Understanding the molecular mechanisms underlying the establishment of nuclear organization during development, Date: Thursday, Nov 09, 2023.

[DBS Seminar] Dr. Ram Parikshan Kumar (Department of Pathology & Laboratory Medicine, Institute for Reproduction and Perinatal Research, University of Kansas Medical Center, USA) -- The Power of Epigenetic and Epitranscriptomic regulators in shaping the Organ size, Date: Friday, Nov 10, 2023.

[Earth - The Journal Club seminar] Ms. Ammu J K (IISER Kolkata), Date: Monday, Nov 13, 2023.

[DPS Seminar] Dr. Indranil Roy (Weizmann Institute of Science, Israel) -- de Haas-van Alphen spectroscopy and fractional quantization of magnetic-breakdown orbits in moiré graphene, Date, Tuesday, Nov 14, 2023.

[DPS Seminar] Dr. Debarshi Das (University College London) -- Probing non-classicality of macroscopic mass and gravitational field, Date: Wednesday, Nov 15, 2023.

[DBS lecture] Dr. Syamal Roy -- DBS lecture, Date: Friday, Nov 17, 2023.

Polymer Conference 2023, Date: Saturday, Nov 18, 2023.

[special seminar] Dr. Syamal Roy, Date: Saturday, Nov 18, 2023.

[DBS Seminar] Prof. Christophe Lamaze (Professor, Cellular & Chemical Biology Unit, Institut Curie - Centre de Recherche, Paris) -- A new paradigm in mechano-transduction: Remote Control of Cell Signaling through Caveolae Mechanics, Date: Wednesday, Nov 22, 2023.

[Institute Seminar] Dr. Tanusree Chakraborty -- Secrets of Success without Stress: Key Factors in Success, Date: Thursday, Nov 23, 2023.

[DPS Seminar] Prof. Jeil Jung (University of Seoul, South Korea) - - Moire and moire-less band flattening and orbital magnetism in rhombohedral multilayer graphene, Date: Friday, Nov 24, 2023.

[DPS Seminar] Dr. Km Rubi (Los Alamos National Lab, USA) -- Oxides-based two-dimensional electron gas in high magnetic fields, Date: Friday, Nov 24, 2023.

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[DPS Seminar] Prof. Sudipta Maiti (TIFR, Mumbai) -- Our brain in sickness and in health: physics-based approaches to a few outstanding puzzles, Date: Tuesday, Nov 28, 2023.

[Institute Lecture] Prof. T. Daniel P. Stack (Stanford University) - - Changing Paradigms in Science: Myth or Truth of a Role of Cu(III) in Biology, Date: Tuesday, Nov 28, 2023.

[DPS Seminar] Dr. Sumit Basu (Lund University) -- Correlations & Fluctuations: A Tool For Unlocking The Properties of Quark-Gluon Plasma Through ALICE Experiment at CERN, Date: Wednesday, Nov 29, 2023.

[DBS Seminar] Prof. Padmaja Prasad Mishra (Chemical Sciences Division, Saha Institute of Nuclear Physics, Kolkata) -- Unraveling DNA Dynamics: Exploring Secondary Structures, Fork-Reversal Pathways, and Helicase Activities by Single-Molecule Fluorescence Methods, Date: Wednesday, Nov 29, 2023.

[Organometallic Conference - Discuss] Prof. Jitendra K. Bera, IIT Kanpur (IISER Kolkata) -- Meeting with the Organizing Committee - International Organometallics Conference at Jaypee Palace Agra, Date: Thursday, Nov 30, 2023.