

FEATURED ARTICLES



When Nanoscience met Medicine



The prestigious biennial prize was awarded to Prof Robert Langer (MIT), Prof Armand Paul Alivisatos (University of Chicago) and Prof Chad Mirkin (Northwestern University) for their groundbreaking work in using synthetic nanoscale materials for drug delivery, bioimaging, and biodiagnostics.

Read more

Navigating Science to Business - A Fireside Chat with Dr Serg Bell



Dr Serg Bell, Founder of Constructor Group and Acronis, candidly shared his inspiring journey, from his humble beginnings as a young scientist during the collapse of the Soviet Union to becoming a cosmopolitan entrepreneur and the founder of multiple successful IT companies and investment firms.

Read more

EVENT HIGHLIGHTS



IAS Discovery Science Seminars Jointly Organised with the **Graduate Students' Clubs**









Math for Al: Can Mathematics provide a Solid Foundation for AI? by Assoc Prof Xia Kelin (SPMS)



Prof Xia shared his groundbreaking work on using advanced mathematics to tackle challenges in AI-based learning models, particularly efficient data representation and featurisation. He emphasised the crucial role of advanced math in developing AI models, especially in molecular sciences.

Read more

Unlocking Arabica Coffee's **Secret: A Genomic Journey to** Its Past and Future by Assistant Prof Jarkko Salojärvi (SBS)



Prof Salojärvi's seminar gave an in-depth look at the 2017 genomic studies that uncovered Arabica's evolutionary history, identified genetic markers for disease resistance, and paved the way for future breeding programs, highlighting the importance of genomic research in safeguarding key crops like coffee.

Read more

UPCOMING EVENTS



This conference celebrates the revolutionary CRISPR-Cas system and its transformative impact on biotechnology and biomedical science, from microbial immunity to Nobel Prize-winning genome editing applications. It will feature over 30 renowned international speakers who will share their latest breakthroughs and insights on cutting-edge topics: High-throughput Screens

- Understanding Fundamental Biology **Exploiting Nature**
- New Technologies
- Therapeutics
- Register now
- Plant Engineering
- Al and Data Science



5th International Workshop on Quantum and Topological **Nanophotonics** 19-21 Nov 2024, NTU

Workshop website

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