

INSTITUTE OF ADVANCED STUDIES

NANYANG TECHNOLOGICAL UNIVERSITY

Catalyse high-impact research | Transcend disciplinary boundaries | Expand knowledge & education frontiers

FEATURED ARTICLES

Advancing the Understanding of Women's Labour Market Outcomes

2023 Nobel Prize in Economic Sciences



The prestigious prize was awarded to Prof Claudia Goldin of Harvard University for her groundbreaking contributions to our understanding of women's labour market outcomes. Her work unveils the gender gap in earnings and employment rates and explains how these differences have evolved over time.

[Read more](#)

3rd Annual Symposium: Innovations in Anti-mycobacterial Drug Discovery



The symposium showcased novel concepts in tuberculosis and non-tuberculous mycobacteria research by world experts, highlighting their work in drug discovery and entrepreneurship. It also featured poster presentations by young scientists, with poster awards sponsored by IAS NTU.

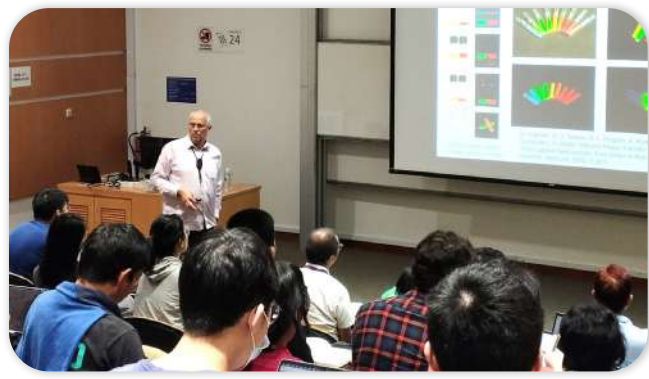
[Read more](#)

EVENT HIGHLIGHTS

IAS STEM Graduate Colloquia Jointly Organised with the Graduate Students' Clubs



Insights into the History of Colloidal Quantum Dots – a European Perspective by Prof Andrey Rogach (City University of Hong Kong)



Prof Rogach's talk offered a captivating exploration of the historical evolution and key milestones in the development of colloidal quantum dots and nanotechnology. It also provided insights into future prospects and emerging trends, emphasising ongoing efforts for widespread commercialisation.

[Read more](#)

Advanced Point-of-Care Technologies for Asymptomatic Screening in One-Health by Prof Luisa Torsi (University of Bari Aldo Moro)



The colloquium highlighted Prof Torsi's groundbreaking research in healthcare diagnostics, particularly in single-molecule bioassays. Her innovative work is poised to provide healthcare practitioners with the means to deliver prompt and precise diagnoses, offering better patient outcomes.

[Read more](#)

Antimicrobial Resistance, Intellectual Property and Early-Stage Drug Development by Prof Thomas Dick, Dr Vladimir Marshansky and Dr Mhairi Skinner



Prof Dick (Hackensack Meridian School of Medicine) highlighted academia's historic and contemporary significance in drug discovery amid pharmaceutical industry's withdrawal. He also discussed important drug qualities along with strategies for development. Dr Skinner (Director of Neuro-Horizon Pharma Inc) discussed broad based learning on intellectual property and patents. Dr Marshansky (President of Neuro-Horizon Pharma Inc) spotlighted targeting V-ATPase for neurodegenerative diseases and F-ATP synthase for pulmonary tuberculosis, elucidating their medical implications.

[Read more](#)

UPCOMING EVENTS

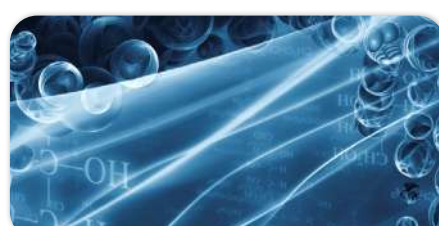


IAS Frontiers Conference on Genome Engineering

13 to 15 November 2024

Celebrating the revolutionary CRISPR-Cas system, this conference explores its transformative impact on biotechnology and biomedical science, from its roots in microbial immunity to its 2020 Nobel Prize-winning applications in genome editing. As we venture beyond CRISPR, the conference will also highlight emerging genome engineering technologies, offering a platform for cutting-edge research, novel tools, and collaborative innovation.

[Register now](#)



From Modified Self-amplifying RNA for Ultra-low Dose Vaccines to Polymeric Hydrogels for Wound Management by Prof Mark Grinstaff (Boston University)

8 Jul 2024, 2pm LT7 North Spine

[Register now](#)



Bottom Interface Engineering for High Performance Perovskite Optoelectronic Devices by Prof Chen Shi (University of Macau)

15 Jul 2024, 2pm SPMS LT5

[Register now](#)

© 2024 IAS NTU. All rights reserved.
Visit IAS website [here](#) for more information.



For enquiries, email us at ias@ntu.edu.sg

June 2024