

TOPIC OF INTEREST: HEALTH TECHNOLOGY

Health Technology, is defined as the "application of organized knowledge and skills in the form of devices, medicines, vaccines, procedures, and systems developed to solve a health problem and improve quality of lives".

#DYK: Precedence Research projected that the global digital health market will see a compound annual growth rate (CAGR) of 27.9% from 2020 to 2027, when it will reach \$833.44 billion.

#nisthfellows working in fields related to Health Technology are: Wilson Goh, Ryo Kitada, Joanne Ngeow Shirley Sun and Yeong Wai Yee, to name a few.

#nisthreads:

- [Bioprinting of Collagen: Considerations, Potentials, and Applications](#) (Yeong Wai Yee)
- [Clinical usefulness of genetic testing for drug toxicity in cancer care: decision-makers' framing, knowledge and perceptions](#) (Shirley Sun)
- [Fate mapping analysis reveals a novel murine dermal migratory Langerhans-like cell population](#) (Wilson Goh)
- [Clinical implementation of an oncology-specific family health history risk assessment tool](#) (Joanne Ngeow)
- [Brain networks underlying the processing of sound symbolism related to softness perception](#) (Ryo Kitada)



More details on our social media platforms this week:

EVENTS WITH NISTH FELLOWS



26 July 2021; 9:00 PM

Climate for Change (Season 2): 'Closing the Loop or Circular Economy', is a Channel News Asia (CAN) documentary series. The next episode to be aired, features, **NISTH Fellow, Prof Madhavi Srinivasan**, as she discusses e-waste recycling in Singapore, specifically focussing on Lithium-ion batteries recycling. She also talks of her close collaboration with the French Alternative Energies and Atomic Energy Commission (CEA), and the joint NTU lab, Singapore CEA Alliance for Research in Circular Economy (SCARCE).

Watch it on [CNA Insider!](#)



28 July 2021; 10:30 AM – 11:30 AM

What Have Minerals Done for Us? Environmental Materials as Societal & Intellectual Resources, is part of MSE's 30th Anniversary Colloquium series. It is a forum where distinguished scientists, inventors, entrepreneurs, and publishing editors are invited to give presentations to MSE staff and students. **NISTH Fellow, Prof Simon Redfern**, will chart how minerals have provided the resources and tools that have transformed societies' technological development from stone, bronze and iron age, through industrial revolution driven by steel and coal, to materials discovery and design today.

More details: [Here](#)

OTHER EVENTS



28 July 2021; 2:00 PM – 3:00 PM

MakanNight! Talks: Robots vs the Pandemic, is organised by NTUitive. This virtual panel session, will be moderated by Mr David Toh (CEO, NTUitive) and made up of founders from the robotics industry Prof Chen I-Ming (Transforma Robotics) and Dr Zhang Yanliang (Weston Robot). They will explore the trend of integrating high technology into our day-to-day life through the pandemic, the major challenges faced, and how robots can continue to help us post-pandemic.

Register: https://bit.ly/mnighttalks_28jul

30 July 2021; 4:00 PM – 5:00 PM

CellFACE – Imaging-based Flow Cytometry for Hidden Haematology Biomarker by Professor Oliver Hayden, is part of the monthly Webinar Series by CREATE PIs. Prof Oliver Hayden (Technical University of Munich) will share on the application CellFACE, which is a method to apply label-free high-throughput quantitative phase imaging flow cytometry for next generation hematology analyzer. He will discuss the vision and research at the newly founded central institute TranslaTUM and why they believe that CellFACE has the potential to support diagnosis of patients and preclinical research.

Join at: Meeting ID: 950 9213 1718; Passcode: 201856

<https://zoom.us/j/95092131718?pwd=Umlhb3pJVZ5a00yMHZrTjloanoxQT09>



10 September 2021; Applications deadline: 8 August 2021

Falling Walls Lab, is a platform to pitch innovative ideas in just 3 minutes, showcasing breakthrough that creates a positive impact on science and society. Open to all students, entrepreneurs, early-career researchers & academics of all disciplines. To apply go to <https://falling-walls.com/lab/apply>

More details at: [Here](#)

GRANT / CHALLENGE CALLS

For assistance in identifying research partners, email us at NISTH-research@ntu.edu.sg

SCS Cancer Research Grant 2021 (26 July – 6 August 2021)

Applications deadline: 28 July 2021

Selection criteria for funding will be based on Relevance of research topic to SCS programs and services; Scientific Merit of Project; Track record of Principal investigator and study team; Feasibility of Project to successful completion Reasonableness of budget requested. The research areas include: Cancer prevention and screening; Cancer survivorship; Palliative care; Psychosocial and spiritual aspects related to cancer; Health communication; Health service program and Clinical research

More details at: <https://www.singaporecancersociety.org.sg/about/cancer-research.html>





Abu Dhabi – Singapore Smart Cities Open Innovation Challenge 2021
Applications deadline: 29 July 2021, 4.00pm

This challenge is co-organised by Enterprise Singapore, Abu Dhabi Investment Office and IPI on six challenge statements from the Middle East. It brings together some of Abu Dhabi's esteemed organisations to collaborate with innovative startups and SMEs in Singapore. It invite you to showcase your innovative smart city solutions.

More details at: <https://www.eventbrite.sg/e/abu-dhabi-singapore-smart-cities-open-innovation-challenge-2021-tickets-151755844817?aff=IPI>



Ministry of Education
SINGAPORE

MOE AcRF Tier 2_February 2022 Grant Call

Applications deadline: 27 September 2021, 5.00pm

The Ministry of Education (MOE) Academic Research Fund (AcRF) Tier 2 grant funds research that is:

- Advance high-quality research of international excellence that challenges current understanding or provides pathways to new frontiers;
- Support academic research as a foundation for discoveries that hold promise for impact on the economy and society; and
- Support post-graduate research training in our universities.

More details at:

<https://fibi.ntu.edu.sg/fibi-ntu/#/fibi/grant/overview?grantId=10137>

Email us at nisth-events@ntu.edu.sg; Website: www.nisth.ntu.edu.sg