TOPIC OF INTEREST: PRECISION MEDICINE

Precision medicine (PM) is a medical model that proposes the customization of healthcare, with medical decisions, treatments, practices, or products being tailored to a subgroup of patients, instead of a one-drug-fits-all model. In precision medicine, diagnostic testing is often employed for selecting appropriate and optimal therapies based on the context of a patient's genetic content or other molecular or cellular analysis. Tools employed in precision medicine can include molecular diagnostics, imaging, and analytics **Source:** Wikipedia

#DYK: According to the National Research Council, "personalized medicine" is an older term with a meaning similar to "precision medicine", the latter being the current preferred term.

#nisthfellows working in fields related to Joanne Ngeow, Helen Smith, Sanjay Chotirmal, Shirley Sun and Melissa Fullwood

#nisthreads:
- Homologous recombination deficiency: cancer predispositions and treatment implications (Joanne Ngeow)
- Interpersonal Dimensions of Personalized Medicine for Chronic Obstructive Pulmonary Disease (Helen Smith)
- The Healthy Airway Mycobiome in Individuals of Asian Descent (Sanjay Chotirmal)
- Precision medicine and big data (Shirley Sun)
- Profiling of 3D Genome Organization in Nasopharyngeal Cancer Needle Biopsy Patient Samples by a Modified Hi-C Approach (Melissa Fullwood)

More details on our social media platforms this week:

NISTH EVENTS

19 Nov 2021; 3:00 PM – 6:00 PM
Young Global Leaders (YGL), Executive Education Module, is organised by NISTH, once again this year, under the theme - *Imagining Technological Future*. The YGLs will be participating in a 5 days online programme that brings them through thought-provoking lectures and workshops on writing, filmmaking and game-making to help bring a fresh perspective to their work towards meaningful solutions for the society. NISTH Fellows are invited to attend the final presentation to interact and network with this carefully selected group of thought-leaders.
Register at: Here

3 Dec 2021; 2:00 PM – 3:00 PM

NISTH ThinkOut: Genomics and the New Inequalities, will bring together **NISTH Fellows - Assoc Prof Joanne Ngeow and Asst Prof Ian McGonigle** to discuss the topic from two different viewpoints. Is the Holy Grail of modern medicine, Genomics? While it has significantly altered the way researchers, scientists and clinicians develop diagnostics, therapeutic strategies, and treatment options, it has also raised the concern of inequality. Join the webinar to hear the two perspectives.

Register at: Here

EVENTS WITH NISTH IAB/FELLOWS

18 Nov 2021; 4:00 PM – 5:30 PM

Rethinking Global Cities in a New Era, will discuss how COVID-19 has impacted the model of global cities as hubs in the flow of corporate talent, tourists, investors and other key economic players. Speakers share how they expect retail, office and tourism spaces in cities to be reconfigured in such digitalisation. **NISTH IAB Chair, Mr Hugh Lim**, Executive Director of the Centre for Liveable Cities, will sum up WCS 2021 by giving some closing remarks.

Register at: Here

19 Nov 2021; 1:30 PM – 6:15 PM

BII – LKCMedicine Symposium on Biomedical Informatics, is focussed on biomedical informatics in Imaging Analytics (Clinical Applications of Artificial Intelligence), Population Health (Linking genetic variants to 3D structure effects on drug binding - special case of CYP pharmacogenes) and Futur-omics. NISTH Fellow Asso Prof Joanne Ngeow, will be part of the session on Population Health and will be speaking on 'Clinical Cancer Genetics: ow data can help bridge research gaps'.

Register at: Here

GRANT / CHALLENGE CALLS & OPPORTUNITIES

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

AI Governance Research Grant Call (AIG) – 22 Nov 2021

AI Governance supports research efforts to help ensure that AI is trustworthy and trusted for the benefit of humanity. As this is the first grant call, AISG encourages multi-disciplinary research reflecting novel ideas/visions that are underexplored, and/or have a clear significance social impact. They seek proposals that are interdisciplinary and bring non-traditional perspectives on questions of AI Governance e.g., humanities and social sciences. This might include perspectives from anthropology, communications, economics (including behavioural economics), education, law, neuroscience, psychology, sociology, among other fields. All proposals are required to have a clear focus on specific questions and a clear research focus.

For more information: Here

More details on our social media platforms this week:

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