

TOPIC OF INTEREST: GENOMICS

Genomics is an interdisciplinary field of biology focusing on the structure, function, evolution, mapping, and editing of genomes. A genome is an organism's complete set of DNA, including all of its genes. In contrast to genetics, which refers to the study of individual genes and their roles in inheritance, genomics aims at the collective characterization and quantification of all of an organism's genes, their interrelations and influence on the organism. (Wikipedia)

#DYK: Sequencing 1 person's genome generates around 200 GB of data, the capacity of a typical computer.

#nisthfellows working in fields related to Genomics: Ian McGonigle, Joanne Ngeow, Shirley Sun, Hallam Stevens and Melissa Fullwood.

#nisthreads:

- [Chromatin loop anchors predict transcript and exon usage](#) (Melissa Fullwood)
- [GenomeAsia100K: Singapore Builds National Science with Asian DNA](#) (Ian McGonigle)
- [How practice setting affects family physicians' views on genetic screening: a qualitative study](#) (Shirley Sun)
- [CDKN2A germline alterations and the relevance of genotype-phenotype associations in cancer predisposition](#) (Joanne Ngeow)
- [Colin Koopman. How We Became Our Data: A Genealogy of the Informational Person](#) (Hallam Stevens)



More details on our social media platforms this week:

OTHER EVENTS



16 - 27 August 2021

Design for Good, is organised by Student Affairs Office and in collaboration with the School of Art, Design and Media (ADM), Design For Good 2021 examines how art interacts with societal change and work towards alleviating the concerns of communities around the world, through curated workshops and exhibits.

More details: [Here](#)



17 August 2021; 10:00 AM

The impact of social, economic, environmental factors and public health measures on the dynamics of COVID-19, is part of the EOS – ASE Seminar Series. Dr Judy Kong (York University) will show the association (linear and non-linear) between COVID-19 R0 across countries and 17 demographic, social and environmental variables obtained using a generalized additive model.

Register at: [Here](#)



19 August 2021; 5:00 PM; Register by: 17 August 2021

NHG-LKC Medicine Research Symposium on Clinical Trials, is organised by the National Healthcare Group and LKC Medicine. The symposium will cover topics on clinical trials such as: Trials that change global practice of medicine; Harnessing Support as a PI; A CUHK experience; Building a research programme for clinical research and translation; COVID-19 trials; Being a PI for trials as a busy clinician and others.

Register at: [Here](#)



24 August 2021; 7:00 PM; Register by: 20 August 2021, midnight

Emerging Stronger: Singapore through COVID-19, is the annual NTUSU Ministerial Forum. The Forum is the premier student engagement event organised by the NTUSU MODE Committee for students to voice their opinion on pertinent global trends and developments that are close to heart. This year, Minister Lawrence Wong discusses his experience coordinating pandemic efforts, and his priorities, as we emerge stronger.

Register at: [Here](#)

GRANT / CHALLENGE CALLS

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



Global Young Academy (GYA) – Call for new members

Applications deadline: 15 September 2021

GYA 2022 call for new members is now open! The GYA is seeking young scholars who combine excellence in research with a demonstrated passion for delivering positive social impact. They especially encourage women and applicants from different minority groups, and from diverse disciplines including the natural, physical and social sciences as well as the arts and humanities and people working in government, industry, and non-governmental sectors to apply.

More details: [Here](#)



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 : [Here](#)

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