

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](#)

