



NTU Institute of Science and
Technology for Humanity

Looking Forward to
June 20 - 27, 2022

FELLOWS SHOWCASE: SANJAY HARESH CHOTIRMALL

Sanjay Haresh Chotirmall is the Provost's Chair and Associate Professor of Molecular Medicine and Assistant Dean (Faculty Affairs) at the Lee Kong Chian School of Medicine. As a clinician-scientist, his research interests include respiratory and microbiome medicine with primary focus on pulmonary infections. His work is focused on translational respiratory based research that aims to take questions from the bedside, which are answered at the bench with a return to implementation at the bedside to impact patient care. He aims to improve patient care and outcomes particularly in Asian populations where little research on endophenotypes of lung disease is currently available. Applying multi-omic technologies and advanced data analytics he hopes to advance precision medicine for respiratory and infectious disease.

#DYK

- Dr Chotirmall, graduated from the Royal College of Surgeons in Ireland (RCSI) with an honours degree and the colleges' gold medal in Microbiology.
- He completed his clinical training in Respiratory and Critical Care Medicine across multiple hospital sites in the Republic of Ireland.
- He has a motto learned from his mentors: 'Research exists for patients, not vice versa' and this must be kept in mind as we take questions derived at the bedside and answer them at the bench.
- He has two main goals: the first is to improve the health and quality of life of patients; and the second, to train and mentor the next generation of clinician scientists to continue the work they are doing long after he is done.
- A/Prof Sanjay Chotirmall has received multiple research accolades most recently the Research and Innovation Award 2020 from the Royal College of Surgeons in Ireland ([Link](#)), the 2021 National Healthcare Group (NHG) Research Impact Award and the National Medical Research Council (NMRC) Clinician-Scientist Award (CSA INV) 2021

#nisthreads: Dr Chotirmall's latest publications include:

- [Population genomics confirms acquisition of drug-resistant *Aspergillus fumigatus* infection by humans from the environment](#)
- [The current understanding and future directions for sputum microbiome profiling in chronic obstructive pulmonary disease](#)
- [Clinical *Aspergillus* Signatures in COPD and Bronchiectasis](#)
- [Therapeutic Targeting of the Respiratory Microbiome](#)
- [Mathematical-based microbiome analytics for clinical translation](#)
- [Treatment Trials in Young Patients with Chronic Obstructive Pulmonary Disease and Pre-Chronic Obstructive Pulmonary Disease Patients: Time to Move Forward](#)
- [High Frequency of Allergic Bronchopulmonary Aspergillosis in Bronchiectasis-COPD Overlap](#)
- [Similarity network fusion for the integration of multi-omics and microbiomes in respiratory disease](#)
- [Integrative microbiomics in bronchiectasis exacerbations](#)

More details on our social media platforms this week:



FELLOWS IN THE MEDIA

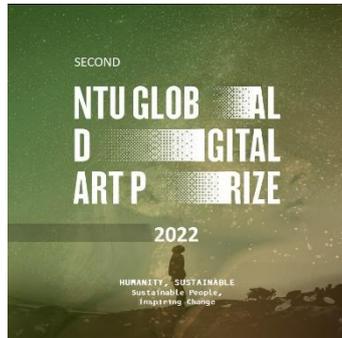


[Lim YeeFen, Hannah \(Assoc Prof\)](#)

6 June 2022; 8:15 PM; *Asia Tonight*

- [Ant Group launches digital wholesale bank ANEXT in Singapore to serve SMEs](#) (Live Interview)

NISTH EVENTS



DEADLINE EXTENDED: 2359hrs GMT+8, ~~15 June 2022~~ 3 July 2022

2nd Global Digital Art Prize (GDAP)

Taking the form of a biennial competition, the NTU Global Digital Art Prize (NTU-GDAP) is where artistry, technological innovations and scientific interests collide. It recognises global artists, technologists and scientists with extraordinary creativity in digitally mediated art, design and cultural heritage. The theme for NTU-GDAP 2022 *is Sustainable People, Inspiring Change*. We seek creative projects at the intersections of science, technology, and art that contribute to building more equal, inclusive, and sustainable economies and societies to tackle the global challenges.

More information: [Here](#)

EVENTS WITH NISTH IAB/FELLOWS/PARTNERS



31 July – 3 Aug 2022

World Cities Summit 2022; Liveable and Sustainable Cities: Emerging Stronger, is an opportune platform to share best practices and innovative solutions for our cities to be more liveable, sustainable, and resilient. Apart from our usual highlights - the Lee Kuan Yew World City Prize, WCS Mayors Forum, WCS Young Leaders Symposium and WCS Smart Cities Workshop, global, business, and thought leaders will discuss our theme through plenary sessions and tracks.

More information: [Here](#)

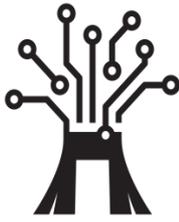


19 – 21 Sept 2022; 8:30 AM

2nd International Conference on Materials for Humanity (MH 22), is organised by the Materials Research Society of Singapore. The conference showcases the latest developments in materials science and engineering that will secure a sustainable future. **NISTH Postdoc Dr Iuna Tsyrlneva**, will be chairing the session on Sustainable Materials Development and Use, under the Materials for education and communication symposium. The symposium findings aim to serve as a basis for the development of guidelines in sustainable synthesis and in purpose- and function-driven application of materials. The participants will explore the environmentally friendly alternatives to synthesize materials and identify applications for their sustainable use. The symposium is anticipated to raise awareness about societal pressing needs aligned with SDGs and the role and potential of novel materials. Other NISTH Fellows involved are, **Prof Lee Pooi See** and **Assoc Prof Sierin Lim, Assoc Prof Tan Lay Poh**.

More Info: [Here](#)

OTHER EVENTS & OPPORTUNITIES



Global Alliance for Ethics and Impact of Artificial Intelligence (GAEIA), invites 3-4 advanced level PhD/Master level students, to join the group and work in a supported process for 8 months, from **25 Aug 2022**. The students will be offered a training program in ethics and risks related to the use of technology in the financial sector and in education, while conducting research on topic in teams. The program is an extension of a program just completed with a [conference at Stanford \(online\)](#) on May 19, 2022. They aim for diversity, are open to high level students (PhD/Master) from various areas such as engineering, law, philosophy, anthropology or other, with interest and insight into tech and the financial sector.

More info: [Here](#)



17 - 21, October 2022; 9:00 AM – 10:00 AM (SGT)

IEEE International Symposium on Mixed and Augmented Reality (ISMAR) is the premier conference for Augmented Reality, Mixed Reality, and Virtual Reality. Every year, ISMAR attracts a large number of world leading researchers from both academia and industry. First time in Southeast Asia, the 21st ISMAR will be held here in Singapore.

For more info, please contact [Prof Yiyu Cai](#)

Conference website: [Here](#)

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