

List of Host Professors / PI's

Science / Engineering / Medicine			
No.	Faculty/Institute	Professor / PI	Research Interests
1	NUS Environmental Research Institute (NERI)	Prof Ng How Yong	Membrane Separation Processes, Membrane Bioreactors, Anaerobic and Aerobic Technology for Wastewater Treatment, Microbial Fuel Cells
2		Prof Hu Jiangyong	Advanced Oxidation Process, Emerging Contaminants Detection and Removal, Water Disinfection Technology And Biofilm Control
3		A/P Sanjay Swarup	Metabolites Biology (understanding metabolic networks and understanding the role of cyclic nucleotide 2 nd messengers)
4	Cancer Science Institute of Singapore	Prof Teh Bin Tean	Integrated Epigenomic and Genomic profiling in Asian Cancers using Enabling technologies such as CHIP-Seq, RNA-seq, Whole-genome and DNA Methylation Sequencing
5	Mechanobiology Institute	Prof Lim Chwee Teck	Collective cell migration, Human Disease mechanobiology, Microfluidic technologies for disease detection and diagnosis, Flexible wearable Technologies for Healthcare Applications
6		A/P Low Boon Chuan	Cell Signalling, Domain-discovery, Protein-protein Interaction, Structural Biology, Developmental Biology, Computational Biology and Mechanobiology
7		A/P Yusuke Toyama	Tissue dynamics, Apoptosis, Drosophila Development
8	Faculty of Science (FoS)	A/P Kang Hway Chuan	Surface Chemistry and Computational Chemistry (Silicon-germanium surfaces/interfaces, Electronic Structure and Reactivity of Nanoclusters of Pure and Mixed Transition metals, Sputtering Dynamics)
9		A/P Adrian Roellin	Distributional Approximations in Probability Theory, Stein's Method, Mathematical and Statistical Modelling of Infectious Disease Processes
10		Prof Chan Hock Peng	Sequential analysis, Change-point Detection, Monte Carlo Methods
11	Solar Energy Research Institute of Singapore (SERIS)	Prof Armin Aberle	Photovoltaic materials, Crystalline Solar Cells devices and modules, CIGS Solar Cells and Modules
12	Faculty of Engineering (FoE)	Prof Andrew Lim	Operations Research, Management Science, Big Data Analytics
13		Prof Philip Liu	Coastal Oceanography and Engineering (water wave theories, tsunamis dynamics, wave-breaking processes, sediment transport processes, and interactions of water waves with structures)
14		Prof Hu Jiangyong	Water Treatment and Water Reclamation
15		Prof Rajasekhar Balasubramanian	Sustainable Development, Climate Change Mitigation, Urban Air Quality, Health Risk Assessment, Aerosol Science and Technology

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16	Tropical Marine Science Institute (TMSI)	Prof Wong Sek Man	Molecular Biology of Plant Viruses, Discovery of New Viruses, Virus Replication and Translation Mechanisms
17		Dr Srivatsan V Raghavan	Climatology, Regional Climate Modelling, Climate Change Impacts and Adaptation, Hydrology, Food Security, Climate risk assessments, Sustainability
18	Yale NUS College	A/P Michiel Van Breugel	Ecology of Forests and Trees in human-modified landscapes
19	NUS Design and Environment	A/P Filip Biljecki	GIS, 3D city modelling, geographic data science, urban analytics, machine learning, real estate, indoor modelling, cadastre, smart cities, urban informatics
20	Duke NUS Medical School	Prof Marcus Ong Eng Hock gmsoehm@nus.edu.sg	Emergency Medicine
21		Prof Tang Shenglan gmstshe@nus.edu.sg	Health policy, Health Systems, Infectious Diseases, Monitoring and Evaluation, Implementation Science
22		A/P Amos Loh Hong Pheng gmslohph@nus.edu.sg	Clinical and translational research in paediatric solid tumours, Discovery of biomarkers for prognostication and therapeutic stratification of paediatric solid tumours
23		Prof Truls Ostbye GMSTO@nus.edu.sg	Obesity and diseases of the elderly
24		A/P Wong Ting Hway cfswth@nus.edu.sg	Injury outcomes in older patients. Emergency Surgery in Ageing populations
25		A/P Jayant Venkatramani Iyer cfsjvi@nus.edu.sg	Glaucoma, General Cataract & Comprehensive Ophthalmology
26		A/P Lee Jan Hau cfljh@nus.edu.sg	Acute respiratory distress syndrome, paediatric critical care nutrition and severe sepsis