National Precision Medicine Alliance (NPMA)



Prof Koh Woon Puay
Yong Loo Lin School of Medicine
National University of Singapore

Talk Title:
The Singapore Chinese Health Study: Genetic associations for age-related traits and outcomes



Dr Rajkumar Dorajoo
Genome Institute of Singapore, A*STAR

Talk Title:
The Singapore Chinese Health Study: Genetic associations for age-related traits and outcomes



Dr Subhra K. Biswas
Singapore Immunology Network, A*STAR

Talk Title:
SInGapore ImmuNograAm for Immuno-OncoLogy (SIGNAL): Applying multi-parametric immunomonitoring to predict response to cancer immunotherapy.



Dr Koh Ai Ling
KK Women's and Children's Hospital

Talk Title:
Reduced Resource Utilization with Early Use of Next Generation Sequencing in Rare Genetic Diseases

RSVP NOW

(Hybrid event)
18 October 2022, Tuesday | 4 PM (SGT)
Onsite @ GIS Seminar room, level 2 & via Zoom

Genome Institute of Singapore
GIS

For more info:
contact_npco@gis.a-star.edu.sg

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Agenda

The Singapore Chinese Health Study: Genetic associations for age-related traits and outcomes

Prof Koh Woon Puay

Professor, Yong Loo Lin School of Medicine, National University of Singapore

Dr Rajkumar s/o Dorajoo

Senior Research Scientist, Genome Institute of Singapore, A*STAR

SInGapore ImmuNogrAm for Immuno-OncoLogy (SIGNAL): Applying multi-parametric immunomonitoring to predict response to cancer immunotherapy

Dr Subhra K. Biswas

Principal Investigator, Singapore Immunology Network, A*STAR

Reduced Resource Utilization with Early Use of Next Generation Sequencing in Rare Genetic Diseases

Dr Koh Ai Ling

Consultant, Genetics Service, Department of Paediatrics, KK Women's and Children's Hospital

Profiles of NPMA Speakers

Talk 1: The Singapore Chinese Health Study: Genetic associations for age-related traits and outcomes



Prof Koh Woon Puay

Professor, Healthy Longevity Translational Research Programme
Yong Loo Lin School of Medicine, National University of Singapore
Senior Principal Investigator,
Singapore Institute for Clinicial Sciences, A*STAR

Prof Koh is the Principal Investigator of the Singapore Chinese Health Study, a 63,257-strong cohort of middle-aged and elderly Chinese Singaporeans established for the long-term study of dietary and environmental determinants of chronic diseases common among Singaporeans. She has co-authored over 420 scientific papers on diet, lifestyle and genes in relation to risk of diseases such as cancer, cardiovascular diseases, diabetes, gout, osteoporosis, osteoarthritis and tuberculosis disease. She has received over $20 million dollars in research funding from NIH (USA) and NMRC (Singapore), and is a recipient of the Ministry of Health NMRC Clinician Scientist Award (Senior Investigator).



Dr Rajkumar s/o Dorajoo

Senior Research Scientist
Laboratory of Metabolic Disease & Aging Genomics
Genome Institute of Singapore, A*STAR

Rajkumar s/o Dorajoo is a Senior Research Scientist at the Genome Institute of Singapore (GIS) and recently formed the Laboratory of Metabolic Diseases and Ageing Genomics. He is also the PI of the genetics sub-cohort of the Singapore Chinese Health Study, a collection of over 25,000 Singaporean Chinese participants with rich genetic and extensive longitudinal phenotypes that have been curated for over 25 years. His work has been tailored towards uncovering genetic predispositions for age-related health outcomes and risk.

Talk 2: SInGapore ImmuNograAm for Immuno-OncoLogy (SIGNAL): Applying multi-parametric immunomonitoring to predict response to cancer immunotherapy



Dr Subhra K. Biswas

Principal Investigator
Human Innate Immunity Lab
Singapore Immunology Network, A*STAR

Dr. Biswas completed his Ph.D. in Biotechnology (Cellular Immunology) at Banaras Hindu University, India followed by postdoctoral studies at the Istituto di Ricerche Farmacologiche "Mario Negri", Milan (Italy) working on the first molecular characterization of tumor associated macrophages in group of Prof Alberto Mantovani and Antonio Sica. During this period, he was awarded a fellowship of the Alfredo Leonardi and G. Pfeiffer Foundation. In 2005, he joined the Bioinformatics Institute of A*STAR in Singapore as Research Scientist (In-Charge) of the (Immune)Cell Interaction group. From 2007 onwards, he is a Principal Investigator at the Singapore Immunology Network (SIgN, A*STAR), heading the Human Innate Immunity Lab. He has held adjunct associate professor positions at the Department of Microbiology, National University of Singapore and LKC School of Medicine, Nanyang Technological University, Singapore and visiting Professor at Humanitas University (Medical School), Milan, Italy. His research interest is in monocyte-macrophages biology and their role in in selected human disease.

Talk 3: Reduced Resource Utilization with Early Use of Next Generation Sequencing in Rare Genetic Diseases



Dr Koh Ai Ling

Consultant
Genetics Service, Department of Paediatrics
KK Women's and Children's Hospital

I am currently appointed as Consultant in Genetics Service, Department of Paediatrics in KK Women's and Children's Hospital, Singapore. I am currently practicing as a clinician (paediatrician) looking after paediatric patients with rare genetic disorders and inborn errors of metabolism. I am also involved in research and both undergraduate and postgraduate teaching and examinations. My special interest is in therapeutics for rare genetic disorders including gene therapy for inherited metabolic disorders and neurometabolic condition, and also involved in research studies using NGS for diagnosis in rare genetic disorders in childhood.