

Active Pilot Project Awards 2019-2020

Duke Faculty	Duke Department	Duke-NUS SingHealth Faculty	Singapore Program	Title
Sarah Armstrong, M.D. Professor of Pediatrics	Pediatrics	Elaine Chew Chu Shan, Ph.D. Adjunct Assistant Professor	KK Women's and Children's Hospital (KKH)	Adapting the US-based clinic-community model of child obesity treatment into a novel school-clinic-community model in Singapore
Diego Bohorquez, Ph.D. Assistant Professor in Medicine	Medicine - Gastroenterology	David Virshup, Ph.D. Professor & Director	Duke-NUS – Cancer and Stem Cell Biology Programme (CSSCB)	Conversations with the gut: how the intestine communicates with the body
Nenad Bursac, Ph.D. Professor of Biomedical Engineering	Biomedical Engineering	Lei Ye, Ph.D. Associate Professor	National Heart Centre Singapore (NHCS)	Bax NAV Gene Therapy for Myocardial Infarction in Cynomolgus Macaques
Roberto Cabeza, Ph.D. Professor of Psychology and Neuroscience	Psychology & Neuroscience	Helen Juan Zhou, Ph.D. Associate Professor	Duke-NUS – Neuroscience and Behavioural Disorders Programme (N)	Investigating brain network dynamics underlying cognitive processes in young & older adults: a pilot study
Cliburn Chan, Ph.D. Associate Professor of Biostatistics and Bioinformatics	Biostatistics & Bioinformatics	N. Gopalakrishna Iyer, Ph.D. Associate Professor	National Cancer Centre Singapore (NCCS)	Precision oncology approach to identification and validation of tumor-targeting cytotoxic T-lymphocytes in head and neck squamous cell cancer
Sina Farsiu, Ph.D. Associate Professor of Engineering	Biomedical Engineering	Gemmy Cheung Chui Ming, Ph.D. Professor	Singapore Eye Research Institute (SERI)	Artificial intelligence in the evaluation and prediction of polyp closure and clinical impact in Polypoidal choroidal vasculopathy

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Tamara Fitzgerald, Ph.D. Associate Professor of Surgery	Surgery - Pediatric General Surgery	Amos Loh Hong Pheng, Ph.D. Assistant Professor	KK Women's and Children's Hospital (KKH)	Medical Technologies and Biomedical Engineering for use in LMICs
So Young Kim, Ph.D. Assistant Research Professor in Molecular Genetics and Microbiology	Molecular Genetics & Microbiology	Danielle Anderson, Ph.D. Assistant Professor	Duke-NUS – Emerging Infectious Diseases Programme (EID)	Functional genomic strategies to discover antiviral mechanisms in bats
Alexander Limkakeng, M.D., M.H.S. Associate Professor of Surgery	Medicine - Emergency Medicine	Marcus Ong Eng Hock, Ph.D. Professor & Director	Duke-NUS – Health Services & Systems Research Programme (HSSR)	Prehospital Termination of Resuscitation in Out-of-Hospital Cardiac Arrest
Christopher Mantyh, M.D. Professor of Surgery	Surgery	Sean Lam Shao Wei, Ph.D. Assistant Professor	SingHealth - Health Services Research Centre	Development of a Multi-Fidelity Simulation System for the Optimization of Operating Room Resources in SingHealth and Duke Health
Deborah Muoio, Ph.D. Professor of Medicine	Medicine	Lena Ho Wai Mun, Ph.D. Assistant Professor	Duke-NUS – Cardiovascular and Metabolic Disorders Programme (CVMD)	Utilizing a respiratory phenomics platform to comprehensively characterize how novel mitochondria proteins regulate cardiometabolic health
Joshua Thaden, M.D., Ph.D. Assistant Professor of Medicine	Medicine - Infectious Diseases	Andrea Kwa Lay Hoon, Ph.D. Associate Professor	Singapore General Hospital	Multinational effort to decode antibiotic resistant infections
Wei Yang, Ph.D. Associate Professor in Anesthesiology	Anesthesiology	Su-Chun Zhang, Ph.D. Professor & Director	Duke-NUS – Neuroscience and Behavioural Disorders Programme (NBD)	Functional genomic strategies to discover antiviral mechanisms in bats

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Yi Zeng, Ph.D. Professor in Medicine	Medicine - Center for the Study of Aging	Woon Puay Koh Professor	Duke-NUS – Health Services & Systems Research Programme (HSSR)	Translational research on effects of genes-nutrition interactions on elderly cognition and mental health