

Active Innovative Pilot Projects 2020-2021

Duke Faculty	Duke Department	Duke-NUS SingHealth Faculty	Singapore Program	Title
Walter T. Lee, MD, M.H.S. Associate Professor of Head and Neck Surgery and Communication Sciences	Head and Neck Surgery and Communication Sciences	Tan Hiang Khoon, MBBS, FRCSEd, FAMS Adjunct Associate Professor	Singapore General Hospital	Development of a Machine Learning Algorithm for Head and Neck Cancer Screening
Marc Deshusses, Ph.D Professor of Civil and Environmental Engineering	Civil and Environmental Engineering	Gregory C. Gray MD, MPH, FIDSA Professor Emerging Infectious Diseases Programme (EID)	Duke-NUS	Web Application for Rapid Quantitative Microbial Risk Assessments
Daniel Buckland MD, PhD Assistant Professor of Surgery	Surgery, Emergency Medicine, Mechanical Engineering and Materials Science	Marcus Ong MBBS, MPH, PBM Professor & Director Health Services & Systems Research Programme (HSSR)	Duke-NUS	Prediction of Emergency Department Outcomes Using Machine Learning Assisted Data Analytics