**Duke / Duke-NUS Pilot Project Awards 2007-2015**

**Duke Faculty:** David MacAlpine

**Duke Department:** Pharmacology and Cancer Biology

**Duke-NUS/SingHealth Faculty:** Antonius Van Dongen

**Singapore Program:**Neuroscience & Behavioural Disorders SRP

**Project Title:** The Role of Epigenetics in Formation and Consolidation of Long-Term Memories (2015)

**Duke Faculty:** Soman N. Abraham

**Duke Department:** Medicine, Infectious Diseases

**Duke-NUS/SingHealth Faculty:** Ashley St. John

**Singapore Program:**Emerging Infectious Diseases SRP

**Project Title:** A Point of Care Test to Diagnose Dengue Infection and Clinical Severity (2015)

**Duke Faculty:** Michael Hauser

**Duke Department:** Ophthalmology

**Duke-NUS/SingHealth Faculty:** Tin Aung

**Singapore Program:**Singapore Eye Research Institute

**Project Title:** Roles of Regulatory Variants for LOXL1 in Pseudoexfoliation Glaucoma. (2014)

**Duke Faculty:** Timothy Arthur James Haystead

**Duke Department:** Medicine, Infectious Diseases

**Duke-NUS/SingHealth Faculty:** Subhash Vasudevan

**Singapore Program:**Emerging Infectious Diseases SRP

**Project Title:** Preclinical Development of Novel HSP90 Inhibitors for the Prevention and Treatment of Chikungunya Virus Infections (2014)

**Duke Faculty:** Christopher Nicchitta

**Duke Department:** Medicine, Infectious Diseases

**Duke-NUS/SingHealth Faculty:** Subhash Vasudevan

**Singapore Program:**Emerging Infectious Diseases SRP

**Project Title:** High Resolution Genomic Imaging of Host Cell and Viral Transcriptome Expression in Dengue Infection (2014)

**Duke Faculty:** Douglas A. Marchuk

**Duke Department:** Medicine, Cardiology

**Duke-NUS/SingHealth Faculty:** Stuart Cook

**Singapore Program:**Cardiovascular & Metabolic Disorders SRP

**Project Title:** Identification of Modifier Genes for Dilated and Hypertrophic Cardiomyopathy (2013)

**Duke Faculty:** Jen-Tsan Ashley Chi

**Duke Department:** Cell Biology

**Duke-NUS/SingHealth Faculty:** Sang Hyun Lee

**Singapore Program:**

**Project Title:** Mitotic Catastrophe and Chromothripsis Caused by Metabolic Dysregulation (2013)

**Duke Faculty:** Mitchell E. Horwitz

**Duke Department:** Population Health Sciences

**Duke-NUS/SingHealth Faculty:** William Hwang Ying Khee

**Singapore Program:**

**Project Title:** Improving the Accessibility and Safety of Umbilical Cord Blood Transplantation in Singapore using NiCord ex vivo Cord Blood Expansion (2013)

**Duke Faculty:** Steven Crowley

**Duke Department:** Medicine

**Duke-NUS/SingHealth Faculty:** Babita Madan

**Singapore Program:**Medicine ACP

**Project Title:** The Role of Porcupine-Mediated Wnt Acylation in the Pathogenesis of Kidney Fibrosis (2013)

**Duke Faculty:** Michael Gunn

**Duke Department:** Medicine, Infectious Diseases

**Duke-NUS/SingHealth Faculty:** Ashley St. John

**Singapore Program:**Emerging Infectious Diseases SRP

**Project Title:** A Rapid Test for Dengue Clinical Severity (2013)

**Duke Faculty:** Chris W. Woods

**Duke Department:** Medicine, Infectious Diseases

**Duke-NUS/SingHealth Faculty:** Linfa Wang

**Singapore Program:**Emerging Infectious Diseases SRP

**Project Title:** Detecting Interspecies Pathogen Transmission at Lola Ya Bonobo Sanctuary, Democratic Republic of Congo (2013)

**Duke Faculty:** Priya Kishnani

**Duke Department:** Neurology

**Duke-NUS/SingHealth Faculty:** Bhavani Sriram

**Singapore Program:**Neuroscience ACP

**Project Title:** Collaborative Project between Duke Medical Genetics and Duke-NUS/KK Hospital to Develop and Expand the Clinical Trial Research Capacity in Neurodevelopmental Disorders and Rare Diseases (2012)

**Duke Faculty:** Soman N. Abraham

**Duke Department:** Medicine, Infectious Diseases

**Duke-NUS/SingHealth Faculty:** Duane Gubler

**Singapore Program:**Emerging Infectious Diseases SRP

**Project Title:** Novel Treatment for Dengue Infections (2012)

**Duke Faculty:** Virginia Kraus

**Duke Department:** Rheumatology and Immunology

**Duke-NUS/SingHealth Faculty:** Ying Ying Leung

**Singapore Program:**Singapore General Hospital

**Project Title:** A Randomized Controlled Trial of Colchicine for Symptom and Inflammation Modification in Knee Osteoarthritis (2012)

**Duke Faculty:** Christopher Nicchitta

**Duke Department:** Cell Biology

**Duke-NUS/SingHealth Faculty:** Shirish Shenolikar

**Singapore Program:**

**Project Title:** Linking Translational Control to Endoplasmic Reticulum (ER) Stress-induced Cell Death (2012)

**Duke Faculty:** Scott Huettel, Michael Platt

**Duke Department:** Neurology

**Duke-NUS/SingHealth Faculty:** Michael Chee

**Singapore Program:**Neuroscience ACP

**Project Title:** Sleep-Deprivation Modulation of the Neural Responses to Reward and Risk (2010)

**Duke Faculty:** Timothy Arthur James Haystead, Mariano Garcia-Blanco

**Duke Department:** Medicine, Infectious Diseases

**Duke-NUS/SingHealth Faculty:** Subhash Vasudevan

**Singapore Program:**Emerging Infectious Diseases SRP

**Project Title:** Validation of Host Purine Utilising Enzymes Induced by Dengue and Yellow Fever Virus Infection as Novel Targets for Anti-Flavivirus Drug Development (2010)

**Duke Faculty:** Tso-pang Yao

**Duke Department:** Neurology

**Duke-NUS/SingHealth Faculty:** Kah Leong Lim

**Singapore Program:**Neurosciences & Behavioral Disorders SRP, Neuroscience ACP

**Project Title:** The Role of Parkin-HDAC6 Complex in Mitochondria Quality Control and Parkinson's Disease (2010)

 **Duke Faculty:** Christopher Newgard, Deborah Marie Muoio

**Duke Department:** Medicine

**Duke-NUS/SingHealth Faculty:** Scott Summers

**Singapore Program:**

**Project Title:** Biochemical Mechanisms of Improved Insulin Sensitivity in Response to Weight Loss (2007)

 **Duke Faculty:** Christopher Counter

**Duke Department:** Medicine

**Duke-NUS/SingHealth Faculty:** Mei Wang

**Singapore Program:**

**Project Title:** Evaluation of the Therapeutic Potential of Novel eNOS Inhibitors Alone or in Combination with Other Agents for the Treatment of Oncogenic Ras-Driven Cancers (2012)