SG10K Pilot approved studies- updated as of 23 Sep 2025					
No.	**Title of research**	**Lead Investigator**	**Institution**	**Date of approval**	**Study status**
1	Identification of new susceptibility loci for complex traits in Han Chinese by imputing genotypes from Asian-specific/mixed reference panel	Hou-Feng Zheng	Westlake University, China	7 Feb 2020	Active
2	GWAS/WGS Analyses of Primary aldosteronism and related conditions in Malaysian Populations	Mun-Kit Choy	Division of Cardiovascular Sciences, The University of Manchester, United Kingdom	17 Mar 2025	Active
3	Genetic diversity of East Asian populations	Shuhua Xu	Key Laboratory of Computational Biology, Shanghai Institute of Nutrition and Health, University of Chinese Academy of Sciences, Shanghai, China	19 Apr 2021	Active
4	Investigating potential disease-related rare genetic variants in Parkinson's disease patients of South East Asian ancestry in Malaysia	Azlina Ahmad Annuar	University of Malaya, Malaysia	15 Aug 2023	Active
5	Identifying the functional consequences of genetic variation in Type 2 Diabetes Mellitus Susceptibility in Asia	John Greally	Albert Einstein College of Medicine, USA	4 Dec 2023	Active
6	Genetic investigation of common epilepsies in the East and Southeast Asian populations	Yen-Chen Anne Feng	Institute of Health Data Analytics and Statistics, College of Public Health, National Taiwan University, Taiwan	4 Dec 2023	Active
7	Genome wide association studies of schizophrenia in South/Southeast Asian populations	Sathish Periyasamy	The University of Queensland, Australia	26 Jan 2024	Active
8	Investigation of gene-by-environment interaction on common and actionable diseases and traits in Singapore cohorts	Michelle Kee	A*STAR Institute for Human Development and Potential, Singapore	17 Mar 2025	Active
9	Genetic Diversity Analysis of Asian Populations	Linjie Chen	Hangzhou Medical College	15 Aug 2025	Active

10	Establishment of ethnic DNA reference database for population genetic and medical purposes	Jatupol Kampuansai	Department of Biology Faculty of Science, Chiang Mai University, Thailand	15 Sept 2025	Active
11	Whole-genome reference panel of ~20,000 individuals	Sunjae Kim	Department of Biomedical Science, Seoul National University, Precision Medicine Institute at Macrogen, Korea	7 Feb 2020	Closed
12	Identification and functional annotation of disease-causal variants under positive selection	Mulin Jun Li	School of Basic Medical Sciences, Tianjin Medical University, China	7 Feb 2020	Closed
13	Identifying causal mutations for craniofacial microsomia	Yongbiao Zhang	BUAA-CCMU advanced innovation center for big-data based precision medicine, Beihang University, China	7 Feb 2020	Closed
14	Reference panel of Chinese population based on whole genome sequencing data	Xin Jin	BGI-Shenzhen, University of Chinese Academy of Sciences, China	7 Feb 2020	Closed
15	Molecular basis and mechanisms underlying human spermatocyte developmental arrest (SDA)	Yuanwei Zhang	Life Science School, University of Science of Technology of China, China	7 Feb 2020	Closed
16	Genomic mutation profile of acute lymphoblastic leukemia	Jinyan Huang	Shanghai Institute of Hematology, Ruijin Hospital, Shanghai Jiao Tong University School of Medicine , Shanghai, China	7 Feb 2020	Closed
17	Identification of drug pathways associated with potentially functional polymorphisms in the Singapore population	Caroline Lee Guat Lay	Department of Biochemistry, National University of Singapore, Singapore	7 Feb 2020	Closed
18	Diagnosis of neurodevelopmental disorders in India	Katta Mohan Girisha	Department of Medical Genetics,, Kasturba Medical College, Manipal, India	7 Feb 2020	Closed

19	Enhancing common variant imputation via RICOPILI	Stephan Ripke	Stanley Center for Psychiatric Research, The Broad Institute of Harvard and MIT; Department of Psychiatry and Psychotherapy, Charite - Universitatsmedizin, Berlin, Germany	7 Feb 2020	Closed
20	Incidental “causative” variants for inherited cardiac conditions in a Singaporean whole genome sequencing cohort.	Roger SY Foo	National University Heart Centre and Cardiovascular Research Institute, National University of Singapore, Singapore	7 Feb 2020	Closed
21	Genomic sequencing analysis on candidate genes for pemphigoid disease	Yonghu Sun	Shandong Provincial Institute of Dermatology and Venereology, China	7 Feb 2020	Closed
22	Population genetics and rare developmental disorder risk in South Asians	Hilary Martin	Wellcome Sanger Institute, United Kingdom	19 Mar 2020	Closed
23	Somatic mutation in regulatory region of cancer genome	San Ming Wang	Faculty of Health Sciences, University of Macau, Avenida da Universidade Taipa, Macau, China	2 Apr 2020	Closed
24	Discovering Taiwanese-specific variants by comparing Taiwanese WGS with other Asian populations	Chien-Yu Chen	Department of Biomechatronics Engineering, National Taiwan University, Taiwan	2 Apr 2020	Closed
25	Population diversity in pharmacogenomic variants	Jun J. Yang	Department of Pharmaceutical Sciences, St Jude's Children's Research Hospital, Memphis, USA	19 Apr 2021	Closed
26	Human GRIN gene mutations	Chian Ming Low	Pharmacology, National University of Singapore, Singapore	3 Jul 2020	Closed
27	Germline variants that are associated with cancer risk in Asian populations	Melvin Chua Lee Kiang	Division of Radiation Oncology, National Cancer Centre, Singapore	18 Aug 2020	Closed

28	Comparison of genotype imputation of South East Asian data on various imputation software and reference panels	Yik Ying Teo	Saw Swee Hock School of Public Health, National University of Singapore, Singapore	18 Aug 2020	Closed
29	Variant landscape of RYR1 and CACNA1S gene based on whole genome sequencing of Singaporean population	Jian Jun Liu	Genome Institute of Singapore, Singapore	15 Sept 2020	Closed
30	Building databases of genomic variants for Vietnamese population	Duc-Hau Le	Department of Computational Biomedicine, Vingroup Big Data Institute, Vietnam	16 Oct 2020	Closed
31	Admixture history of Singapore Peranakan Chinese revealed by whole genome sequencing analysis	Roger Foo	Department of Medicine / National University Health System and Genome Institute of Singapore, Singapore	16 Oct 2020	Closed
32	MMR gene variation in ethnic Chinese population	San Ming Wang	Faculty of Health Sciences, University of Macau, Avenida da Universidade Taipa, Macau, China	16 Oct 2020	Closed
33	WeGene Imputation Reference Panel Project	Lizhong Wang	WeGene, Shenzhen, Guangdong, China	15 Jan 2021	Closed
34	Combining Short And Long-read Sequencing To Detect Noncoding And Structural Variants, And Haplotypes In Cone/ROD Dystrophy Patients	Rui Chen	Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, USA	22 Feb 2021	Closed
35	Determining the Carrier Frequency and Genetic Prevalence of Inherited Retinal Diseases	Hwei Wuen Chan	Department of Ophthalmology, National University Singapore	16 Mar 2021	Closed
36	Population diversity in pharmacogenomic variants	Jun J Yang	Department of Pharmaceutical Sciences, St. Jude Children's Research Hospital, USA	19 Apr 2021	Closed
37	Improve genetic risk prediction on individuals of South and East Asian ancestries for common and actionable diseases.	Michael Simpson	Genomics plc, United Kingdom	19 Apr 2021	Closed

38	Data-driven analysis of carrier frequencies of autosomal recessive and X-linked diseases in the Asian population	Shen Gu	School of Biomedical Sciences, The Chinese University of Hong Kong, Hong Kong	19 Apr 2021	Closed
39	Exploring allelic architecture and sub population structure among South Asians	Salih Tuna	Global Gene Corporation Pte Ltd, Singapore	16 Jul 2021	Closed
40	A genome-wide association study for Parkinson's disease in the Asian population	Huifang Shang	Department of Neurology, West China Hospital, China	16 Jul 2021	Closed
41	Carrier frequencies for Hereditary Cancer and Inherited Cardiac Diseases in Singapore population	John Whay Kuang Chia	Curie Oncology Pte Ltd, Singapore	16 Jul 2021	Closed
42	Effective Imputation of Clinical Trials Data	Sarah Pendergrass	Genentech	16 Sept 2021	Closed
43	Tracing the evolution and migration history of the indigenous population from pennisular Malaysia	Boon Peng Hoh	UCSI University, Malaysia	18 Feb 2022	Closed
44	Genetic adaptations to environments across Eurasia	Anders Eriksson	University of Tartu, Estonia	18 Apr 2022	Closed
45	Whole-genome Sequencing Based Blood Group Antigen Automated Typing	Jia Hai Shi	Synthetic Biology Translational Research Program, Yong Loo Lin School of Medicine, National University of Singapore	21 Jun 2022	Closed
46	High coverage whole genome sequencing (WGS) reveals insights into the historical migration of Malays population	Rozaimi Razali	Department of Biomedical Science, College of Health Sciences, Qatar University	20 Dec 2022	Closed
47	Investigation of genomic mechanism of diabetic kidney disease using whole genome sequencing data from multi-ethnic type 2 diabetic cohorts	Enrico Petretto	Duke-NUS Medical School, Singapore	31 Mar 2023	Closed
48	Timing of driver mutations for liver fluke associated cholangiocarcinoma in Asia	Thomas Crellen	The University Court of the University of Glasgow	15 May 2023	Closed

49	Elucidation of disease pathology by multi-omics analysis- homogeneity and heterogeneity of selection signatures in diverse populations	Yukinori Okada	Osaka University Graduate School of Medicine, Japan	15 Aug 2023	Closed
50	Evaluating Phasing Accuracy in Diverse Ancestry Groups	Elan Bechor	Heliospect Genomics, USA	24 Apr 2024	Closed
51	Human genome diversity in mainland Southeast Asia	Bing Su	Kunming Institute of Zoology, Chinese Academy of Sciences (CAS), China	15 May 2024	Closed
52	Identification of Asian enriched asians in lipid transporters	David Silver	CVMD/Duke-NUS Medical School	15 Aug 2025	Closed