	SG10K Pilot appro	ved studies- updated a	s of 06 February 2024	
No.	Title of research	Lead Investigator	Institution	Date of approval
1	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
2	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
3	Identifying causal mutations for craniofacial microsomia	Yongbiao Zhang	BUAA-CCMU advanced innovation center for big-data based precision medicine, Beihang	7 Feb 2020
4	Reference panel of Chinese population based on whole genome sequencing data	Xin Jin	BGI-Shenzhen, University of Chinese Academy of Sciences,	7 Feb 2020
5	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
6	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
7	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
8	Diagnosis of neurodevelopmental disorders in India	Katta Mohan Girisha	Department of Medical Genetics,, Kasturba Medical College, Manipal, India	7 Feb 2020
9	Enhancing common variant imputation via RICOPILI	Stephan Ripke	Stanley Center for Psychiatric Research, The Broad Institute of Harvard and MIT; Department of Psychiatry and	7 Feb 2020
10	Identification of new susceptibility loci for complex traits in Han Chinese by imputing genotypes from Asian-	Hou-Feng Zheng	Westlake University, China	7 Feb 2020

11	Incidental "causative" variants	Roger SY Foo	National University	7 Feb 2020
	for inherited cardiac conditions	Noger 31 100	Heart Centre and	7 1 CB 2020
	in a Singaporean whole genome		Cardiovascular Research	
	sequencing cohort.			
	sequencing conort.		Institute, National	
			University of Singapore,	
			Singapore	
12	Genomic sequencing analysis	Yonghu Sun	Shandong Provincial	7 Feb 2020
	on candidate genes for		Institute of	
	pemphigoid disease		Dermatology and	
	pempingola disease		Venereology, China	
13	Determining the Carrier	Hwei Wuen Chan	Department of	16 Mar 2021
	Frequency and Genetic		Opthalmology, National	
	Prevalence of Inherited Retinal		University of Singapore,	
	Diseases		, , ,	
	Diseases		Singapore	
14	Population genetics and rare	Hilary Martin	Wellcome Sanger	19 Mar 2020
	developmental disorder risk in		Institute,	
	South Asians		United Kingdom	
15	Somatic mutation in regulatory	San Ming Wang	Faculty of Health	2 Apr 2020
	region of cancer genome		Sciences, University of	
			Macau, Avenida da	
			Universidade	
			Taipa, Macau, China	
16	Discovering Taiwanese-specific	Chien-Yu Chen	Department of	2 Apr 2020
	variants by comparing		Biomechatronics	
	Taiwanese WGS with other		Engineering, National	
	Asian populations		Taiwan University,	
			Taiwan	
17	Population diversity in	Jun J. Yang	Department of	19 Apr 2021
	pharmacogenomic variants		Pharmaceutical	
	_		Sciences, St Jude's	
			Children's Research	
			Hospital, Memphis, USA	
18	GWAS/WGS Analyses of	Mun-Kit Choy	Division of	17 May 2020
	Primary aldosteronism and		Cardiovascular Sciences,	
	related conditions in Malaysian		The University of	
	Populations		Manchester, United	
			Kingdom	
19	Human CPIN cono mutations	Chian Ming Low	Pharmacology National	3 Jul 2020
1,2	Human GRIN gene mutations	Chian Ming Low	Pharmacology, National	2 Jul 2020
			University of Singapore,	
			Singapore	
20	Germline variants that are	Melvin Chua Lee Kiang	Division of Radiation	18 Aug 2020
	associated with cancer risk in		Oncology, National	
	Asian populations		Cancer Centre,	
			,	

21	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
22	Variant landscape of RYR1 and CACNA1S gene based on whole genome sequencing of Singaporean population	Jian Jun Liu	Genome Institute of Singapore, Singapore	15 Sep 2020
23	Building databases of genomic variants for Vietnamese population	Duc-Hau Le	Department of Computational Biomedicine, Vingroup Big Data Institute, Vietnam	16 Oct 2020
24	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
25	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
26	WeGene Imputation Reference Panel Project	Lizhong Wang	WeGene, Shenzhen, Guangdong, China	15 Jan 2021
27	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
28	Improve genetic risk prediction on i ndividuals of South and East Asian ancestries for common and actionable diseases.	Michael Simpson	Genomics plc, United Kingdom	19 Apr 2021
29	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
30	Genetic diversity of East Asian populations	Shuhua Xu	Key Laboratory of Computational Biology, Shanghai Institute of Nutrition and Health, University of Chinese	19 Apr 2021

32	Exploring allelic architecture	Salih Tuna	Global Gene	16 Jul 2021
32	and sub population structure	Saint Tana	Corporation Pte Ltd,	10 301 2021
	among South Asians		Singapore	
	among South Asians		Siligapore	
32	A genome-wide association	Huifang Shang	Department of	16 Jul 2021
	study for Parkinson's disease in		Neurology,	
	the Asian population		West China Hospital,	
			China	
33	Carrier frequencies for	John Whay	Curie Oncology Pte Ltd,	16 Jul 2021
	Hereditary Cancer and	Kuang Chia	Singapore	
	Inherited Cardiac Diseases in			
	Singapore population			
34	Effective Imputation of Clinical	Sarah Pendergrass	Genentech	16 Sep 2021
	Trials Data			
	Tracing the evolution and	Boon Peng Hoh	UCSI University,	18 Feb 2022
35	migration history of the		Malaysia	
	indigenous population from			
	pennisular Malaysia			
36	Genetic adaptations to	Anders Eriksson	University of Tartu,	18 Apr 2022
	environments across Eurasia		Estonia	
37	Whole-genome Sequencing	JiaHai Shi	Synthetic Biology	21 Jun 2022
37	Based Blood Group Antigen	Jidi idi Jili	Translational Research	21 3411 2022
	Automated Typing		Program, Yong Loo Lin	
	/tatomatea ryping		School of Medicine,	
			National University of	
			Singapore	
			Siligapore	
38	High coverage whole genome	Rozaimi Razali	Department of	20 Dec 2022
	sequencing (WGS) reveals		Biomedical Science,	
	insights into the historical		College of Health	
	migration of		Sciences, Qatar	
	Malays population		University	
39	Investigation of genomic	Enrico Petretto	Duke-NUS Medical	31 Mar 2023
	mechanism of diabetic kidney		School, Singapore	
	disease using whole genome			
	sequencing data from multi-			
	ethnic type 2 diabetic cohorts			
40	Timing of driver mutations for	Thomas Crellen	The University Court of	15 May 2023
-	liver fluke associated	inomas cielleli	the University of	13 IVIUY 2023
	cholangiocarcinoma in Asia		Glasgow	
41	Investigating potential disease-	Azlina Ahmad Annuar	University of Malaya,	15 Aug 2023
	related rare genetic variants in	, Zima / Imiaa Amiaa	Malaysia	13 Aug 2023
	Parkinson's disease patients of		ividiaysia	
	South East Asian ancestry in			
	Malaysia			
	ivialaysia			
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42	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
43	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
44	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
45	Genome wide association studies of schizophrenia in South/Southeast Asian populations	Sathish Periyasamy	The University of Queensland, Australia	26 Jan 2024