

## SARS Grant Call 2003 - Results

The Biomedical Research Council (BMRC) under the Agency for Science, Technology and Research (A\*STAR) has set aside resources to fund SARS-related research as part of Singapore's national efforts to combat Severe Acute Respiratory Syndrome (SARS).

A call for SARS-related grant proposals was issued on the 30th of April, 2003. By the time applications closed in mid-May, a total of 77 proposals had been received.

To date, 14 of these have been approved and 15 applicants advised to consolidate and re-submit.

### Summary Table

Research Area	# Proposals received	# Proposals approved
Diagnostics	30	5
Therapeutics	16	5
Vaccines	13	1
Molecular Epidemiology	9	2
Others	9	1
<b>Total</b>	<b>77</b>	<b>14</b>

### List of approved Grants (as of 1st September 2003)

#	Research Area	Project Title	Principal Investigator	Co-investigator	Host Institution
1	Molecular Epidemiology	Elucidation of Cytokine pathway and cytopathic mechanisms in pathophysiology of ARDs with particular reference to SARS	LIM Bing	Paul CHUI, Manuel Salto-Trellez, Angela Chong	Genome Institute of Singapore
2	Diagnostics	Development of an automated sample preparatin and biochip-based integrated PCR array analytical system for the screening of SARS and selected upper respiratory tract infectious viruses in patient samples	AYI Teck Choon, Eric Peng Huat YAP	LING Ai Ee, GONG Haiqing Thomas, LEE May Ann	Defence Medical Research Institute
3	Others	A study of the long term effects of severe acute respiratory syndrome (SARS) on physical and psychological factors that can affect work performance and function	Lawrence Soon-U LEE	Alan NG, Daniel SEOW, Melvin K	Tan Tock Seng Hospital
4	Diagnostics	Development and Comparison of High Throughput Serological Assay Platforms for Acute and Followup Epidemiological Investigations of SARS patients	LOKE Weng Keong	TANG Kin Fai, Pierce CHOW, Lynette OON, LOH Kean Chong	Defence Science Organisation
5	Diagnostics	Baculoviral Surface Display of proteins from SARS-associated Coronavirus	TAN Boon Huan	LING Ai Ee, CHAN Kwai Peng, LEE May Ann, Mary NG Mah Lee, Richard SUGRUE	Defence Medical Research Institute
6	Therapeutics	Left-handed double-stranded nucleic acid-protein interactions as drug target for the treatment of Severe Acute Respiratory Syndrome (SARS)	Peter DROGE	Alexander RICH, Jinming LI	Nanyang Technological University
7	Therapeutics	S protein-based Therapeutics on SARS -CoV	James TAM, LI Jinming, TAN Suet Mien	Lars Nordenskiold, Alex LAW Sai-Kit, LIU Ding Xiang	Nanyang Technological University
8	Vaccines	Humoral immune responses against human coronavirus SARS antigen and development of potential vaccines and therapeutic antibodies	KOH Dow Rhoon	Vincent CHOW, Jaap Goudsmit, Jan H.ter Meulen, Menzo J.E. Havenga	National University of Singapore
9	Diagnostics	Investigation of the SARS-coronavirus Spike(S) protein as A Target and Modulator of Pulmonary Innate Immunity and Evaluation of Recombinant S protein as A diagnostic Reagent	LU Jinhua	Uffe Holmskov, Vincent CHOW,	National University of Singapore
10	Therapeutics	Development of a SARS-associated virus replicon cell line for the identification of potential therapeutic agents for SARS	Hung Siu Chun	CHOW Vincent, Chan Soh Ha	National University of Singapore

11	Therapeutics	In-viro study of chemotherapeutic agents against the SARS-CoV	Ooi Eng Eong	Edison LIU, Emily TAN, Lin Chin YO, Bing LIM, Lawrence Walter STANTON	National Environmental Agency
12	Molecular Epidemiology	Analysis of SARS Coronavirus (CoV) Infection in Singapore Population Cohorts: Asymptomatic SARS CoV Infection, Immunological Relationship with nonSARS CoV, and SARS CoV Serotype	J Thomas AUGUST	Malcolm Paterson, Vladimir Brusic, Sun Kai, Muhammad Tani bin Tabiin, K N Srinivasan, ONG Kong Wee, Pierce CHOW, SOO Khee Chee, TAN Hiang Khoon	Johns Hopkins Singapore
13	Diagnostics	Development of electrochemiluminescence immunoassay (ECLIA) biochip for ultra-sensitive early-stage detection of SARS virus	Thomas Haiqing GONG	TAN Yee Joo, LING Ai Ee, Hua LIM	Nanyang Technological University
14	Therapeutics	In search of new and potential anti-SARS drugs: the chemical approach	LOH Teck Peng		National University of Singapore