SCRI OVERVIEW

Dr Gao Hong Head, Project Management & Pharmacovigilance Singapore Clinical Research Institute (SCRI)

About SCRI

As the national academic clinical research organisation, SCRI is dedicated to enhancing the standards of clinical research capabilities in Singapore. SCRI leads in scientific collaboration and research innovation to search with our healthcare partners for better treatment outcomes for patients. Together, the nation is set to develop core capabilities and thought leadership for clinical research excellence.

CORE VALUES	
SCIENTIFIC	We believe in clinical research in accordance to the scientific method
COLLABORATIVE	We believe in collaborating closely with partners in clinical research
RELIABLE	We believe in providing reliable support for our clinical research work
	We believe in being innovative in

clinical research work





KEY FACTS AND FIGURES



Scientific and Operational Team in 2016

A diversified team of

57

Scientific and Operational Staff



Achievements Since SCRI's Incorporation in 2008



Worked with

736 Investigators Supported

216

Local and International Sites

Across 25 Countries



Research Findings

Published in 246
Publications

Conducted and Participated in

186

Workshops, Seminars & Conferences



Conducted

137

Studies



SINGAPORE

- 1 Changi General Hospital
- 2 Duke-NUS Medical School, Singapore
- 3 Institute of Mental Health
- 4 John Hopkins Singapore Internal Medicine Centre
- 5 Jurong Medical Centre
- 6 Khoo Teck Puat Hospital
- 7 KK Women's and Children's Hospital
- 8 National Cancer Centre Singapore

- 9 National Dental Care Singapore
- 10 National Heart Centre Singapore
- 11 National Neurological Institute
- 12 National Skin Centre
- 13 National University Cancer Institute, Singapore
- 14 National University Heart Centre, Singapore
- 15 National University Hospital
- 16 National University of Singapore, Faculty of Dentistry

- 17 National University of Singapore, Yong Loo Lin, School of Medicine
- 18 Ng Teng Fong General Hospital
- 19 Sengkang Health, Alexandra Hospital
- 20 Singapore General Hospital
- 21 Singapore National Eye Centre
- 22 SingHealth Investigational Medicine Unit
- 23 St. Luke's Hospital
- 24 Tan Tock Seng Hospital

Therapeutic Areas

INFECTIOUS DISEASE



We remain vulnerable to infectious diseases like dengue with more than 10,000 cases reported in 2016¹

PSYCHIATRY

The Singapore Mental Health Study 2010 found that about one in 10 people in Singapore suffer from a mental disorder²

CARDIOLOGY

Every day, 16 people in Singapore die from cardiovascular disease and its complications (heart disease and stroke)³

EMERGENCY MEDICINE

2016 saw more than 1 million emergency attendances in Singapore's public hospitals⁴



More than 33,000 Singaporean bables were born in 2016⁵

22















32



ONCOLOGY

Cancer is the number one cause of death in Singapores, and research into cancer prevention and treatment is a national priority

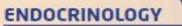


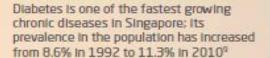
OPHTHALMOLOGY

Eye diseases are common among our population, one of which is childhood myopia which afflicts two out of three 12-year-olds in Singapore?



1 in 10 stroke patients in Singapore is under age 508







OTHERS

Anaesthesiology, Dietetics, Gastroenterology, Gynaecology, Haematology, Head and Neck, Medical Device, Musculoskeletal, Neonatology, Nephrology, Nutrition, Orthopaedics, Psychology, Quality of Life, Respiratory, Rheumatology, Statistical, Surgery, Vascular

Secure

- 1. Straits Times "Dengue Cases Hit 10,000 in First 7 Months of 2016," straitstimes.com. 2 August 2016. Web.
- 2. Institute of Montal Health "Understanding Your Montal Health." Inh.com.sg. Web.
- 3. Singapore Heart Foundation "About the Heart and Heart Disease." my heart org.sg. Web.
- MOH Holdings "Admissions and Output ion! Attendances" moh gousg. 21 April 2017. Web.
 Straits Times "Singapord's total fertility sate dipped to 1.20 in 2016" shallstimes.com. 10 February 2017. Web.
- 6. MOH Holdings "Principal Causes of Death," moh gov. sg. 14 July 2016. Web.
- 7. Health Promotion Board "Singapore Achieves Breakthrough in Reducing Prevalence of Myopia by Almost 5%" /ph.gov.sg. 11 November 2011. Web.
- 8. Straits Times "1 in 10 Stroke Patients Here Aged Under 50" straits times, com 19 November 2016, Web.
- Saw Swee Hock School of Public Health, National University of Singapore "Rising Obesity Among Young Set to Worsen Diabetes Rate in Singapore." sph.nus. edu.sg. 22 February 2016, Web.

Clinical Research Infrastructure In Singapore IMUs & SCRI

Investigational Medicine

Phase 1

Phase 2

Phase 3

Phase 4, Epidemiology, HSOR studies

Investigational Medicine Unit At Kent Ridge Campus

Investigational Medicine Unit
At SGH Campus

Singapore Clinical Research Institute (SCRI)

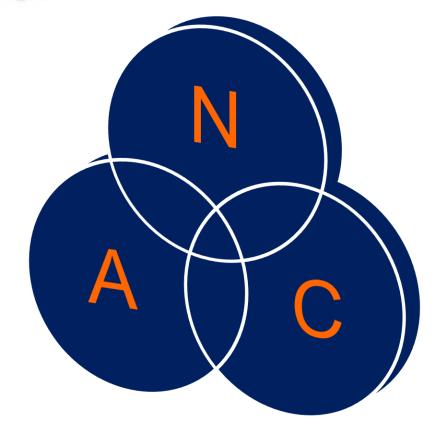


- <u>National</u>, <u>one-stop</u> center for private/public investigators to conduct <u>late-phase clinical research</u> in Singapore
- Services provided: study design, project & data management, biostatistics, study reporting on a <u>fee-for-service basis</u>
- Develops specialised training courses
- Conducts <u>in-house research</u>



Roles and Responsibilities of SCRI

our 3 Mission Domains



National Clinical Trials Strategy and Coordination

Commercial

Note: Many specific tasks may fall into more than one of these 3 domains e.g. The CT Network role is on a National scale but helps build-up Academic KOLs & attract Commercial trials

Academic



Academic Research Organisation

- **Study Planning and Budgeting Customised study proposals**
- **Effective communications**
- between Internal and externals stakeholders

Operations Services

Business

Study Design & Protocol **Development**

- Design of valid and feasible studies
- · Writing of statistical sections
- Support of grant application
- Workshops

- **Data Management**
- **Research Informatics**
- **Research Monitoring**
- **Project Management**

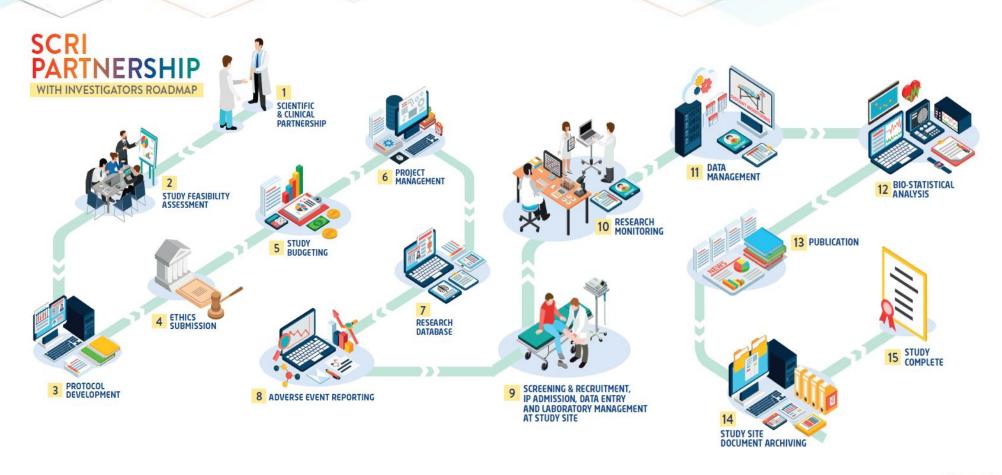
Research **Operations**

Study **Sponsor**

- Risk management
- **Pharmacovigilance**
- Regulatory



SCRI Partnership Roadmap





SCRI's expertise

Pre & Post Project Activities

- Study Design, Analysis and Reporting
- Evidence Synthesis
- Health Outcome Research
- Study Planning & Budgeting



Research Operations

- Project Management
- Research Informatics
- Randomisation
- Research Monitoring
- Data Management
- Pharmacovigilance
- Quality Assurance



What SCRI can help if a PI is planning to apply NMRC grant?

- Contact SCRI to ask for pre-grant support
 - Scientific and operational review on grant proposal
 - Sample size calculation
 - Scope operations budget (project management, monitoring, data management, data analysis)
 - This support is provided free to PIs
- If PI is successful in obtaining the study grant, SCRI can provide post-grant support:
 - Some of the logistics operations (eg project management, study monitoring, data management) at subsidized fee
 - Help PI to look for external outsource vendor
- When study completed, SCRI Biostatistician can help publication



Contact Us:

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Thank you