CSI Singapore is a state-of-the-art University research institute affiliated with, and hosted at the National University of Singapore. It was established in 2008, with a "Research Centre of Excellence" grant, one of only five in Singapore, by the National Research Foundation and the Ministry of Education.

The institute is an anchor for research expertise in three broad programmes; Cancer Biology & Stem Cells, Experimental Therapeutics, and the RNA Biology Centre; these programmes form expansive platforms for CSI Singapore’s focus on key cancers, namely in gastric, liver, lung and leukaemia which are endemic in the Asian populations. CSI Singapore aims to position Singapore as a global-leader in the field of Biomedical Sciences.

Ashok Venkitaraman
Director, CSI Singapore

Our research now seeks to advance understanding of the molecular and cellular mechanisms that trigger cancer evolution in different human tissues, and to apply this new knowledge for the benefit of cancer patients through improvements in cancer detection, treatment, and eventually, prevention.

MISSION

Our mission is to better understand the causes of human cancer across Asia, and thereby improve its detection, treatment and prevention. Our outstanding researchers and exceptional facilities create an energetic environment for ground-breaking science and world-class training.
RESEARCH TEAMS

CHNG WEE JOO
Our lab studies ways to overcome high-risk cancers

CHEN LEI LEI POLLY
RNA alterations in cancer and development of RNA-based therapeutics

CHEW GUO-LIANG
Molecular genomics of cancer immune evasion and personalized cancer treatment

EDWARD KAI-HUA CHOW
Engineering-based approaches to improve precision and personalized cancer treatment

MELISSA FULLWOOD
Investigating the 3-dimensional organization of enhancers and silencers in cancer

GOH BOON CHER
Development of novel treatments for cancers

YOSHIAKI ITO
Regulation of stomach epithelial stem cells in homeostasis and cancer

ANAND JEYASEKHARAN
How the immune system recognizes poorly treated cancer cells

SUDHAKAR JHA
Targeting epigenetic pathways to treat cancers

DENNIS KAPPEI
Proteomics of non-coding elements in cancer

H. PHILLIP KOEFFLER
Genomics and epigenetics of malignancies

LEE SOO CHIN
Novel therapeutics and predictive biomarkers in breast cancer

MOTOMI OSATO
Molecular analysis of RUNX leukemia towards novel therapeutics

JASON PITT
Cancer genome data science at scale

TAKAO MIKI
Transcription factor and enhancer abnormalities in cancers

TOSHIRO SUDA
Establishment of an ex vivo expansion platform for hematopoietic stem cells

TAM WAI LEONG
Translational approaches for targeting cellular energetics and cell states in cancer

PATRICK TAN
Genetic analysis of Asian-prevalent malignancies to identify new biomarkers and drug targets

DAVID SP TAN
Development of biomarkers and novel anti-cancer therapeutic agents focusing on gynecological cancers

DANIEL G. TENEN
(1) Gene regulation and cancer; (2) the role of the oncofetal protein SALMA in cancer

YVONNE TAY
Understanding RNA biology and developing RNA-based biomarkers and drugs

ASHOK VENKITARAMAN
Deciphering the mechanisms underlying cancer susceptibility to intercept cancer evolution
AWARDS & ACHIEVEMENTS

2010
- President's Science and Technology Award (PSTA)
  - Yoshiaki Ito

2013
- Singapore Translational Research (STAR) Investigator Award
  - Toshio Suda, Daniel Tenen

- National Research Foundation (NRF) Awards
  - Takaomi Sanda, Melissa Fullwood

2014
- Singapore Translational Research (STAR) Investigator Award
  - H. Phillip Koeffler

- Young Scientist Award
  - Melissa Fullwood

2015
- President's Science and Technology Award (PSTA)
  - Yvonne Tay, Tam Wai Leong

- Young Scientist Award
  - Yvonne Tay

- President's Assistant Professorship, National University of Singapore
  - Patrick Tan, Teh Bin Tean

2016
- Singapore Translational Research (STAR) Investigator Award
  - Polly Chen

- President's Assistant Professorship, National University of Singapore
  - Yvonne Tay

2017
- Singapore Translational Research (STAR) Investigator Award
  - Melissa Fullwood

- Provost's Chair Professor, National University of Singapore
  - Chng Wee Joo

2018
- Singapore Translational Research (STAR) Investigator Award
  - Polly Chen

- Nanyang Assistant Professorship, Nanyang Technological University
  - Chng Wee Joo

2019
- Singapore Translational Research (STAR) Investigator Award
  - Brian G M Durie Outstanding Achievement Award

- National Outstanding Clinician Scientist Award
  - Goh Boon Cher

2020
- Singapore Translational Research (STAR) Investigator Award
  - E. Donnall Thomas Lecture and Prize

- Young Investigator Programme
  - Toshio Suda

- National Outstanding Clinician Scientist Award
  - Daniel Tenen

- The Public Administration Award (Bronze)
  - Goh Boon Cher
Core Facilities support the research groups and operations in CSI, NUS & the wider scientific community in Singapore.

- Drug Analysis Pharmacokinetics Core
  Boon Cher Goh

- Transgenic & Gene Targeting Facility
  Motomi Osato

- Leukemia Cell Bank
  Wee Joo Chng / Allen Yeoh

- Quantitative Proteomics Core
  Dennis Kappei

- Fluorescence Activated Cell Sorting (FACS) Facility
  Motomi Osato

- Microscopic Core
  Anand Devaprasath Jeyasekharan

- Computational Core
  Touati Benoukraf

- Bioinformatics Core
  Henry Yang
STAFF STRENGTH

- 80 Research Scientists & Research Fellows
- 65 Research Associates/Assistants & Laboratory Executives/Technicians
- 42 PhD Students
- 20 Principal Investigators
- 8 Admin & Research Support
- 3 Facility Heads
- 2 Special Fellows
CSI Singapore offers competitive scholarships for PhD in Cancer Biology. Successful candidates will have access to world-class facilities dedicated to cancer research and can look forward to working with a dynamic global team of renowned specialized scientists in an intellectually stimulating environment.

**Monthly Scholarship Stipend of Up to SGD $3,400**

**Full Subsidy of Tuition and Miscellaneous Fees**

**Allowances for Relocation, Laptop, Books/Software and Conferences**

**Bond Free Premium Scholarship**

**Yearly Intake in August**
2019 Publication Highlights

- 164 Publications
- 59,003 Citations Received 2009 - 2019
- 124 International Collaborations
- 19 Press Releases