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

EDWARD KAI-HUA CHOW
Engineering-based approaches to improve precision and personalised 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 chemotherapy treated cancer cells

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 leukaemia towards novel therapeutics

JASON PITT
Cancer genome data science at scale

TAKADHI SANDA
Transcription factor and enhancer abnormalities in cancers

TOSHIO 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 gynaecological cancers

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

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

ASHOK VENKITARAMAN
Deciphering the mechanisms underlying cancer susceptibility to intercept cancer evolution
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

- Microscopy Core
  - Anand Devaprasath Jeyasekharan

- Genomics and Data Analytics Core (GeDaC)
  - Jason Pitt
STAFF STRENGTH

- 75 Research Associates/Assistants & Laboratory Executives/Technicians
- 57 PhD Students
- 97 Research Scientists & Research Fellows
- 2 Special Fellows
- 20 Principal Investigators
- 9 Admin & Research Support
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 $3,600
- **Full Subsidy** of Tuition and Miscellaneous Fees
- Allowances for Relocation, Laptop, Books/Software and Conferences
- Bond Free Premium Scholarship
- Yearly Intake in August
2020 Publication Highlights

- 122 Publications
- 66,972 Citations Received 2010 - 2020
- 79 International Collaborations
- 31 Press Releases
COLLABORATION NETWORK

Metric Details
- Size: Scholarly Output
  Types of publications included: all
  Field-weighted: no
- Colour: Field-Weighted Citation Impact
  Types of publication included: all

Top Collaborators by Country:
- United States
- Japan
- China
- United Kingdom
- Taiwan
- Netherlands
- Australia
- Italy
- South Korea
- Canada