

RESEARCH

@ SINGHEALTH DUKE-NUS ACADEMIC MEDICAL CENTRE

Translating Research for Quality Health Outcomes

Adapted from National Center for Advancing Translational Sciences (NCATS), US



Clinical Implementation

Adopt and evaluate interventions that have been demonstrated to be useful in a research setting into routine clinical care for the general population.



Clinical Research

Healthcare science that determines the safety and effectiveness of drugs, devices, diagnostic products and treatment regimens intended for human use, as prevention, treatment, diagnosis or for relieving symptoms of a disease. Simply put, it involves human participants and helps translate pre-clinical research into new treatments and information to benefit patients.

Health Services Research
Study health outcomes at the population level to ascertain the effects of diseases, and develop ways to prevent, diagnose and treat them.



Basic Research

Scientific discovery of fundamental mechanisms of biology, diseases and behaviours including computer-assisted simulations of drug, devices or diagnostic interactions within living systems.



Pre-clinical Research

Develop model interventions to further understand, test and treat diseases or disorders, through testing and collection of data (e.g. drug safety) in animal models.

Research Capabilities, Infrastructure & Resources

SingHealth Core Platforms

- Advanced Bioimaging
- Advanced Molecular Pathology Laboratory (AMPL)¹
- Clinical Pharmacology
- SingHealth Tissue Repository (STR)
- Personalised OMIC Lattice for Advanced Research and Improving Stratification (POLARIS)²
- SingHealth Experimental Medicine Centre (SEMC)
- National Large Animal Research Facility (NLARF)³
- Flow Cytometry

SingHealth Strategic Research Programmes

- Health Services Research Centre (HSRC)
- Investigational Medicine Unit (IMU)
- SingHealth Translational Immunology and Inflammation Centre (STIIC)
- Medical Technology Office (MTO)

SingHealth Institutions

Academic Clinical Programmes (ACPs)

SingHealth Duke-NUS Joint Research Institutes

- Health Services Research Institute (HSRI)
- Institute of Precision Medicine (PRISM)
- National Heart Research Institute Singapore (NHRIS)
- National Neuroscience Research Institute Singapore (NNRIS)

SingHealth Duke-NUS Disease Centres

Duke-NUS Signature Research Programmes

- Cancer & Stem Cell Biology (CSCB)
- Cardiovascular & Metabolic Disorders (CVMD)
- Emerging Infectious Diseases (EID)
- Health Services & Systems Research (HSSR)
- Neuroscience & Behavioural Disorders (NBD)

Duke-NUS Research Centres

- Centre for Ageing Research & Education
- Centre for Cognitive Neuroscience
- Centre for Computational Biology
- Centre for Quantitative Medicine
- Centre of Regulatory Excellence (CoRE)
- Centre for Technology & Development
- Lien Centre for Palliative Care

¹ Set up in collaboration with Institute of Molecular and Cell Biology (IMCB)

² A collaboration with A*STAR's Genome Institute of Singapore (GIS)

³ Jointly governed by SingHealth and National University Health System (NUHS)

Information correct at time of production (August 2016)



Learn more about our capabilities and resources at <http://research.singhealth.com.sg>.