



Clinician Scientist

Residency Track



“ *Be at the forefront of biomedical research breakthroughs and learn from established clinician scientist mentors.* ”



Prof Tan Eng King
Associate Designated Institutional
Official (ADIO), Research

*Living My Love
of Medicine*

From the Associate Designated Institutional Official, Research

Welcome to SingHealth Clinician Scientist (CS) Residency!

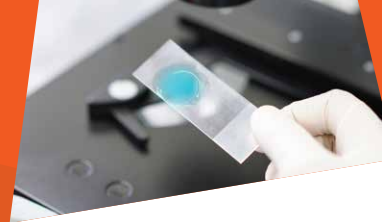
The primary educational goal of the CS Residency is to provide opportunities for Residents passionate in clinical and academic research to embark on a career as a clinician scientist. The CS Residency aims to nurture its Residents interested in research through supporting them with protected time and research funding.

With the Academic Medicine partnership between SingHealth and Duke-NUS, CS Residency supports our Residents in developing critical clinical and research skills. With collective clinical and research training, Residents will be able to pursue their preferred specialty while shaping a career in Academic Medicine. SingHealth works closely together with Academic Medicine Research Institute (AMRI) to support the delivery of research training available at the respective Residency training programs.

CS Residency is a nationwide program and with state-of-the-art research labs at Academia, Residents can hone their research skills and acquired laboratory skills to embark on a career in research. Every CS Resident will be matched to a research mentor, who will support, guide and oversee their professional development.

Exposure to areas of scientific research is essential in nurturing the next generation of clinician scientists. While the ability to perform clinical procedures is crucial, the skills required to conduct clinical research is equally important. If you have the passionate interest in the science of medicine and wish to pursue a research career as a clinician scientist, we are excited to welcome you to CS Residency.

SingHealth Residency has more than **15 Residency programs** offering the **CS Residency track**



CS Residency in SingHealth

SingHealth CS Residency is committed to nurturing Residents to establish and integrate themselves in Academic Medicine. CS Residents will undergo regular clinical and research training, while receiving support in resources and funding from the SingHealth Duke-NUS Academic Medical Center.

CS Residents will go through the normal educational requirements of the clinical specialty with an additional year dedicated for research. During the course of training, CS Residents are provided mentorship, structured research training, opportunities to participate in research projects and given research protected time to obtain your Master of Clinical Investigation (MCI) or an equivalent training qualification. CS Residents will also be eligible to apply for the National Medical Research Council (NMRC) seed funding to start their pilot research projects.

Learn from Distinguished CS Faculty

SingHealth has dedicated and renowned faculty from various expertise who will be mentoring and grooming the next generation of clinician scientists. CS Residents will be matched to a research mentor who will provide individualized guidance and mentorship throughout their entire clinical research training period.

Learning Opportunities and Research Support

SingHealth also emphasizes on the learning opportunities and promotes research skill development among CS Residents by providing curriculum funding for research-related courses. In addition, CS Residents can apply for NUS e-library access through their respective Academic Clinical Programs (ACPs) to facilitate their research.

Your Career Prospects & Development

CS Residents can look forward to furthering your research career in areas such as cancer, cardiovascular disease, diabetes, infectious diseases, neurological and sense disorders. Residents can expect to take their professional development to the next level and progress along the academic and clinical ranks within their respective Academic Clinical Programs (ACP).

Applying to CS Residency

1

CS Residency intake starts at R4/SR1

Residents must obtain a letter of endorsement from DIO and Program Director (PD) for the CS Residency application.

For Internal Medicine (IM) Residents, application for CS Residency is done together with the application for senior Residency in the medical subspecialties via the MOHH portal.

2

Residents must submit endorsed letter to MOHH

MOHH will facilitate in the application via the MOHH portal. Applicants must submit a one-page write-up of their research interest in the online application.

3

Interview with SAB Research Committee (SRC) members

All applicants will undergo an interview with the panel of SAB Research Committee members. The interviews are research-focused and assess candidates for a research career.

For more information on CS Residency application, visit www.physician.mohh.com.sg



Frequently Asked Questions

Q1

Does the CS Residency track provide protected time during Residency training?

All CS Residents have an additional year of Residency. During the research year, 80% of Residents' work time is protected for research activities, and the remaining 20% for clinical work. Residents will also be allowed to extend beyond the 80% cap with the approval of their PD and research mentor.

Residents can apply for research grants such as the SingHealth Foundation Research Grants. In addition to grants, Residents are eligible to apply for a one-time NMRC Seed Funding of up to \$50,000 for a pilot project.

Q2

What is the funding support available?

Q3

What are the requirements for successful exit from CS Residency program?

Residents will need to achieve the following:

- a) at least the Master of Clinical Investigation (MCI) or equivalent, and
- b) at least a first-author publication in a reputable peer-reviewed journal

For specialty specific requirements, Residents should discuss with their PD and research mentor.

The MCI is a two-year part-time program. Residents can embark on the MCI at any Residency year as long as the Residency training requirements are also met. Residents have to obtain the PD's endorsement as well as the Residency Advisory Committee's (RAC's) approval submitted together with the applications.

Residents who have already obtained research qualifications (e.g. PhD) may be exempted from MCI, subjected to SAB Research Committee's (SRC's) approval.

Q4

At which point am I allowed to pursue the MCI?

Q5

Can I pursue other research qualifications during my research year?

Residents who are interested to pursue other research qualifications (e.g. Diploma, Masters, or PhD) equivalent to MCI during their research year will need to seek prior clearance and approval from SRC. Residents can also apply for local or overseas research attachments.





Academic Medicine
Research Institute
Duke-NUS SingHealth

Continuous Support Beyond CS Residency

Academic Medicine Research Institute (AMRI), part of the Joint Office of Research, serves as an 'academic nexus' by providing guidance and scientific support to medical students and Residents who wish to pursue research in the early stages of their clinical careers, as well as clinician researchers and budding clinician scientists who require assistance to further their research careers in the SingHealth Duke-NUS Academic Medical Centre (AMC).

AMRI is organized into four functions to support the research community:

Together, these teams work with clinician researchers and clinician scientists at the AMC to support their clinical, translational and health services research careers beyond the Residency years.

Strategic Resources (SR)

SR lends support to CS Residents to develop a career path by providing mentorship and strategic development resources.

*Programs and services offered:
Medical Writing workshops, and
Mentorship-Medical Editing
Support*

Clinical Health Services and Implementation Research (CHIC)

CHIC provides guidance to clinicians who wish to pursue Health Services Research (HSR) as part of their clinical careers.

*Programs and services offered:
Health Services Development
Program (HSDP) Grant Reviews
and Health Technology
Assessments (HTAs), Training in
HSR Areas*

Talent Development (TD)

TD supports the development of passionate and talented clinician-researchers.

*Programs and services offered:
Individual Development Plan,
Research Development Seminars,
Mentor Interaction Facilitation
Scheme, and Internal Grants*

Quantitative Sciences (QS)

Working closely with the Centre for Quantitative Medicine in Duke-NUS, quantitative scientists (e.g. biostatisticians, epidemiologists), provide valuable resources to researchers in the AMC who require guidance in biostatistics, epidemiology and research methods.

*Programs and services offered:
Statistical Software Training
Workshops and Research
Methodology Clinics Eligible
parties may register for the
Quantitative Medicine Forums
which are held regularly*



Hear from our CS Residents



There are definitely many challenges to balance clinical training and research work, and the biggest one has to be time. It is often difficult to juggle clinical work every day and yet have time set aside to write grants, papers and coordinate recruitment of patients. The research protected time is definitely helpful. The seed funding is crucial for those of us starting out on our research journey, enabling us to apply for national funding to further our research.



Dr Ku Chee Wai
Obstetrics and Gynecology Program



CS Residency track has been an exciting and challenging journey so far. I have received help and support from my clinical mentors who have guided me for clinical training and ensured there is protected time for my research and development. Although this is the path less travelled, the journey is definitely a fulfilling one.



Dr Feng Jiajun
Plastic, Reconstructive and Aesthetic Surgery Program

Get In Touch!

Email us
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PATIENTS. AT THE HEART OF ALL WE DO.®



Singapore General Hospital



KK Women's and Children's Hospital



Sengkang Health



National Cancer Centre Singapore



National Dental Centre Singapore

Major Participating Site



National Heart Centre Singapore



National Neuroscience Institute



Singapore National Eye Centre



Polyclinics SingHealth



Bright Vision Hospital



Changi General Hospital



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www.facebook.com/SingHealthResidency

Programs Offering CS Residency Track

At present, the following SingHealth Residency Programs offer CS Residency for their Residents:

- Anaesthesiology
- Diagnostic Radiology
- Emergency Medicine
- General Surgery
- Hand Surgery
- Neurosurgery
- Obstetrics and Gynecology
- Ophthalmology
- Orthopaedic Surgery
- Otolaryngology
- Pediatrics
- Plastic, Reconstructive and Aesthetic Surgery
- Cardiology
- Gastroenterology
- Haematology
- Medical Oncology
- Neurology
- Rheumatology

If your specialty-of-interest is not listed above, you may contact the respective Program Director to discuss research opportunities available in your program.

CS Generic Research Curriculum

All CS Residents are eligible for additional curriculum funding for the following research-related courses:

No.	Course Title	Provider
1	Basic, Intermediate and Advanced Strata	AMRI
2	Basic Statistical Package for the Social Sciences (SPSS) Course	AMRI
3	Good Clinical Practice Research Course	SingHealth Academy
4	Grant Writing – Small Group Hands-on Session	NUS
5	Laboratory Biosafety, Biosecurity and Bioethics in Infectious Disease Research	NUS
6	Medical Writing Course	AMRI

The utilization of curriculum funding for other relevant research-related courses, not listed above, is subjected to approval from ADIO, Research.

Research Mentors

Duke-NUS Medical School		Neurosurgery, NNI	
Prof David Virshup	Professor and Director, CSCB Duke-NUS Professor of Pediatrics, Duke Program in Cancer & Stem Cell Biology, Research	Assoc Prof Ng Wai Hoe	Head and Senior Consultant
Diagnostic Radiology, SGH		Neurosurgery, NNI-SGH	
Dr Chan Ling Ling	Senior Consultant	Assoc Prof Christopher Ang Beng Ti	Senior Consultant
Prof Tan Bien Soo	Senior Consultant	Neurology (SGH Campus), SGH	
Emergency Medicine, SGH		Assoc Prof Lo Yew Long	Head and Senior Consultant
Prof Venkataraman Anantharaman	Senior Consultant	Assoc Prof Prakash Kumar Manharlal	Senior Consultant
Assoc Prof Lim Swee Han	Senior Consultant	Prof Tan Eng King	Senior Consultant
Asso Prof Marcus Ong Eng Hock	Senior Consultant	Orthopaedic Surgery, SGH	
General Cataract and Comprehensive Ophthalmology Service, SNEC		Dr Guo Changming	Senior Consultant
Prof Aung Tin	Senior Consultant	Obstetrics and Gynecology, KKH	
Gastroenterology and Hepatology, SGH		Prof Tan Kok Hian	Senior Consultant
Dr Roy Muljadi Soetikno	Senior Consultant	Prof Tan Bien Soo	Senior Consultant
Dr Ngu Jing Hieng Jeffrey	Consultant	Pediatrics, KKH	
Dr Tan Meng Yew Damien	Consultant	Dr Derrick Chan Wei Shih	Head and Senior Consultant, Neurology Service
Dr Vikneswaran Namasivayam	Consultant	Assoc Prof Law Hai Yang	Chief Scientific Officer, Genetics Service
Dr Wang Yu Tien	Consultant	Dr Thoon Koh Cheng	Head and Senior Consultant, Infectious Diseases Services
Haematology, SGH		Plastic, Reconstructive and Aesthetic Surgery, SGH	
Dr Chuah Thuan Heng Charles	Senior Consultant	Assoc Prof Ong Yee Siang	Senior Consultant
Hand Surgery, SGH		Assoc Prof Tan Bien Keem	Head and Senior Consultant
Dr McGrouther Duncan Angus	Senior Consultant	Reproductive Medicine, KKH	
Assoc Prof Tay Shian Chao Vincent	Senior Consultant	Assoc Prof Jerry Chan Kok Yen	Senior Consultant
Oncologic Imaging, NCCS		Rheumatology & Immunology, SGH	
Dr Thng Choon Hua	Head and Senior Consultant	Dr Leung Ying Ying Katy	Senior Consultant
Medical Oncology, NCCS		Dr Andrea Low Hsiu Ling	Senior Consultant
Assoc Prof Lim Soon Thye	Head and Senior Consultant	Prof Julian Thumboo	Senior Consultant
Assoc Prof Lim Wan Teck Darren	Senior Consultant	Women's Anaesthesiology, KKH	
Dr Tan Bee Huat Iain	Consultant	Dr Sng Ban Leong	Senior Consultant
Assoc Prof Toh Han Chong	Senior Consultant and Deputy Director		

Get In Touch!

Email us
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