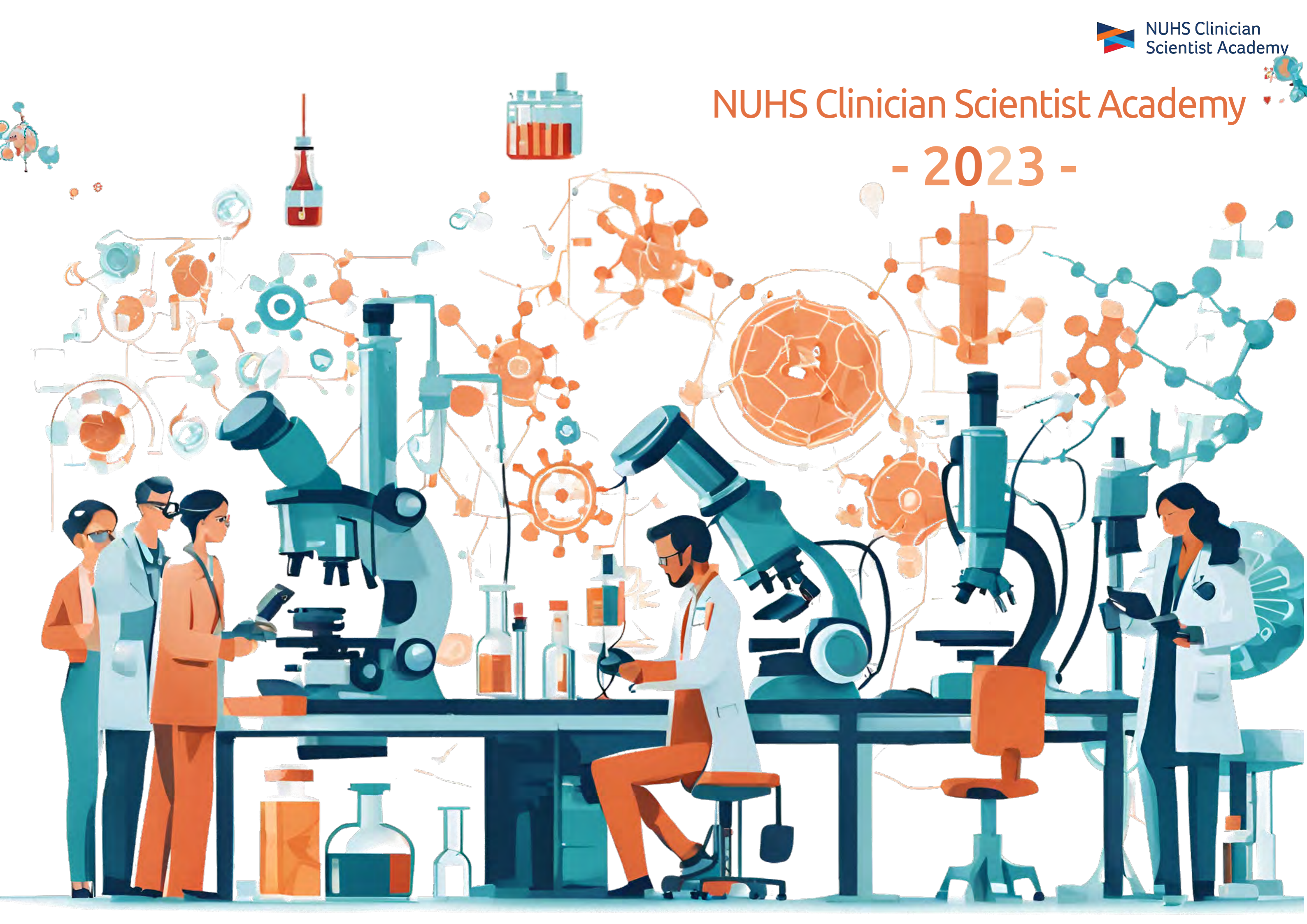


NUHS Clinician Scientist Academy

- 2023 -



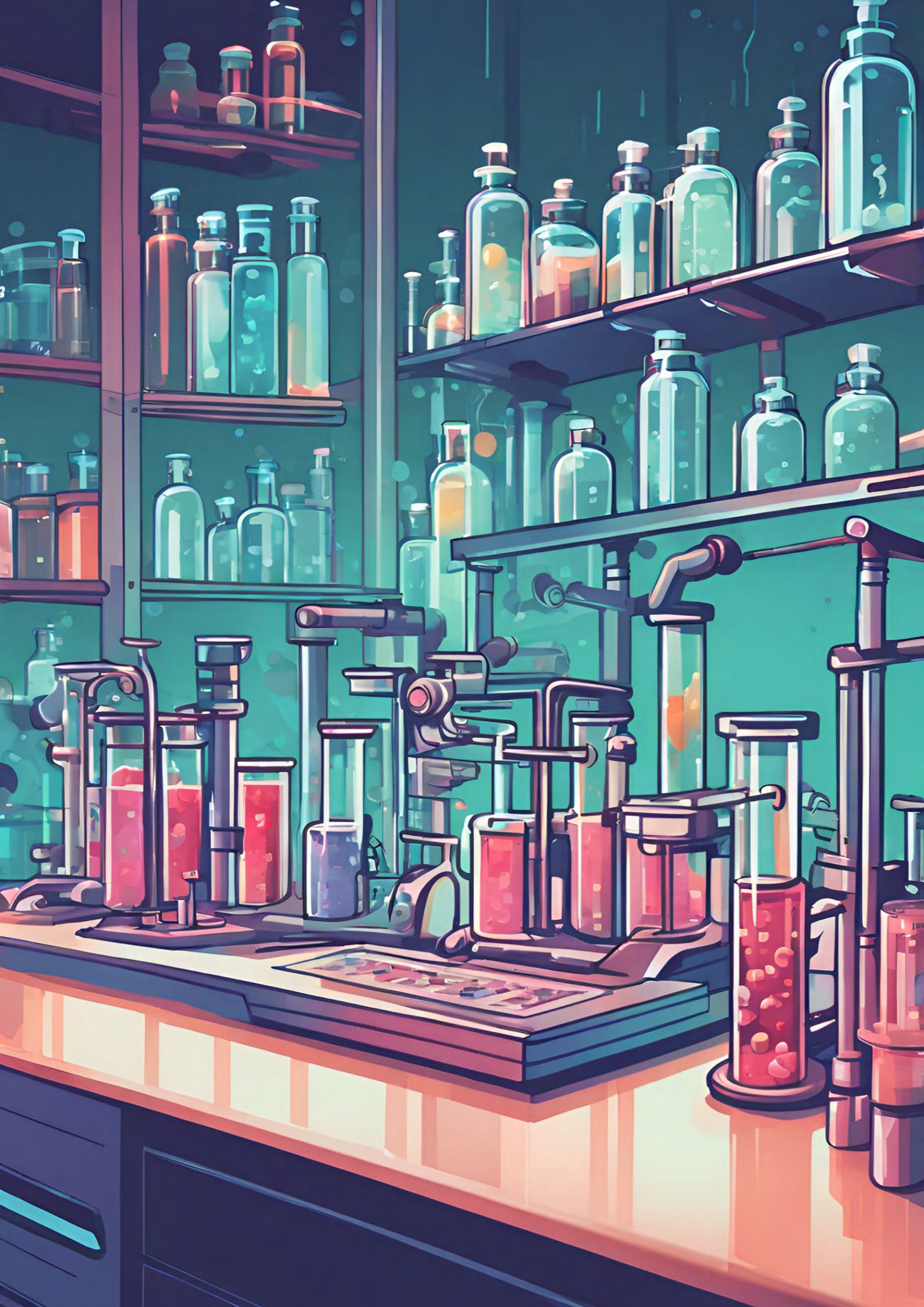


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The NUHS CS Academy

The NUHS Clinician Scientist Academy is established with the mission to foster an exciting research ecosystem for NUHS clinicians. It is a collaborative effort between the **Yong Loo Lin School of Medicine** and **NUHS** healthcare institutions to nurture the next generation of Clinician- Scientists.

Our Team



Prof. Roger Foo
Head



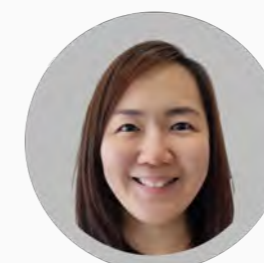
Asst. Prof. Su Xinyi
Deputy Head



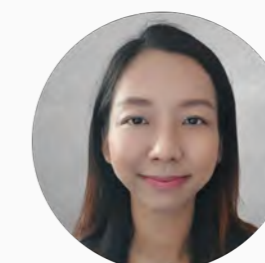
Ms. Elaine Tan
Senior Manager



Ms. Jasmine Yong
Sr. Asst. Manager



Ms. April Sim
Sr. Asst. Manager



Ms. Wee Yu Ting
Asst. Manager



Ms. Rafika Binte Senan
Management Asst.
Officer

3-Pronged Approach

SUPPORT

- Grants (NCSP, Exxon Mobil)
- Research Concierge
- Research Support Unit (RSU)

Provides research grants to support young talents with funding to embark on their research, and build their research portfolio. The RSU provides professional support for the development of grants and publications.

ENABLE

- Saturday Research Training Series
- Research Tryout
- Workshops/ Courses
- Mentorship
- Resources:
 - CS Spotlight
 - CS Guidebook
 - Yearbook
 - Nuggets of Wisdom

The CS Academy provides a forum for young and experienced clinician scientists to network. Conducts regular talks and workshops to train and equip our young clinician scientists with the knowledge and skills on a wide range of topics to enhance their research capabilities.

NURTURE

- Engagement sessions (CS Friday Evening, A*STAR engagement, roadshows, residency open house)
- Meet and Greet
- Coffee Chat
- Young Researcher Dialogue

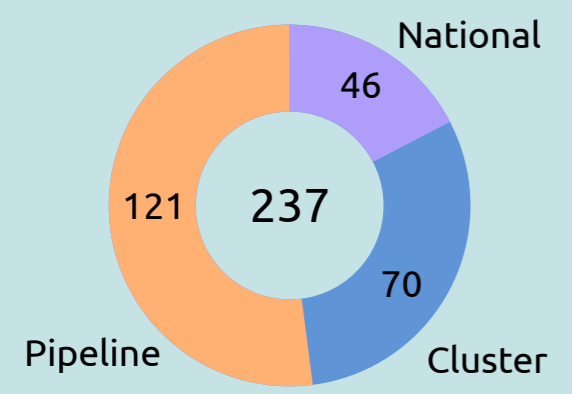
Provides a forum for young and experienced clinician scientists to network. Meet and Greet sessions provide dialogue platform for young clinician scientists to seek wisdom and be inspired by giants of the field. Dialogue sessions allows clinician scientists to seek guidance and share experiences.

"The pessimist complains about the wind.
The optimist expects it to change.
The realist adjust the sails."

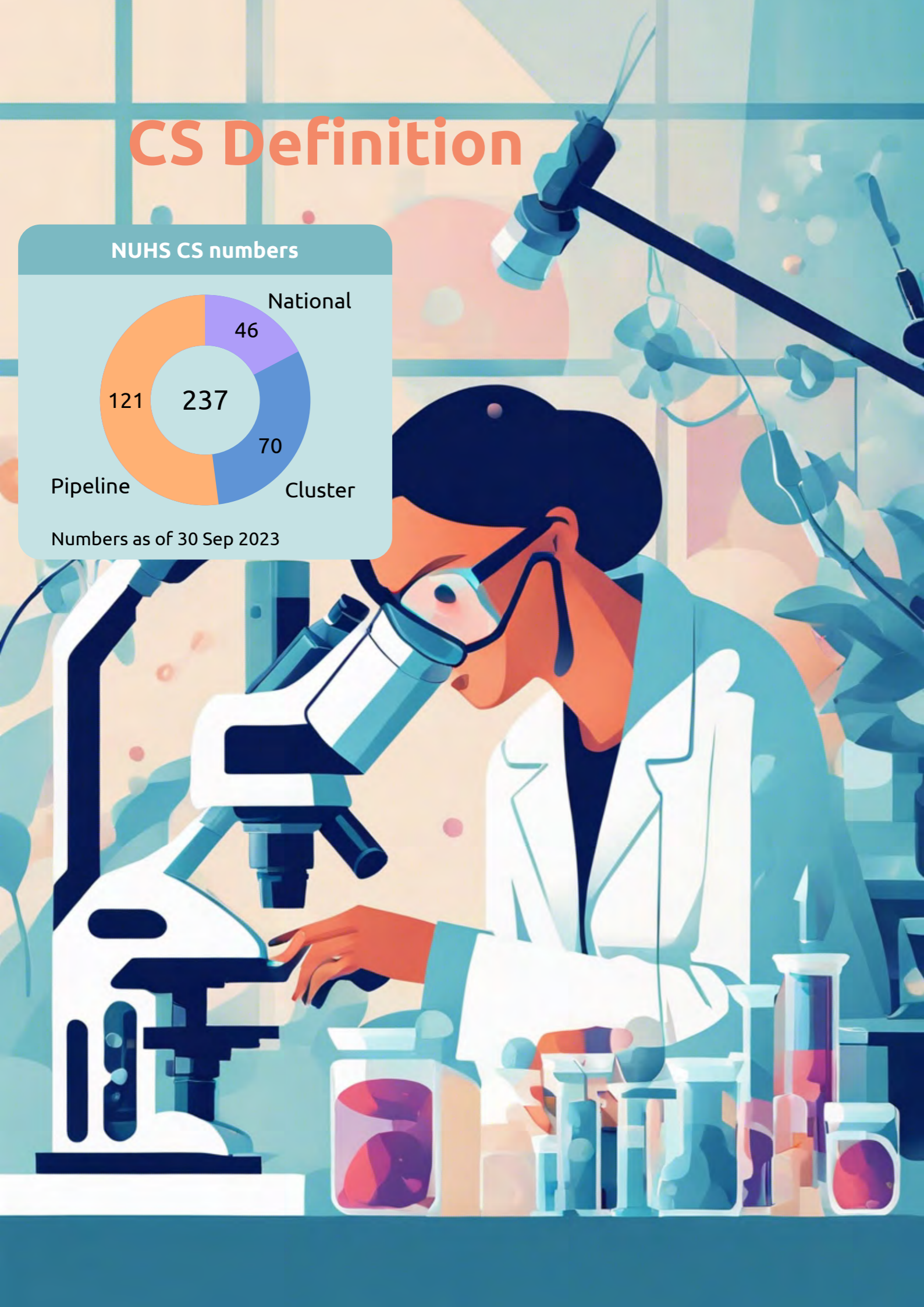
Prof. Roger Foo

CS Definition

NUHS CS numbers



Numbers as of 30 Sep 2023

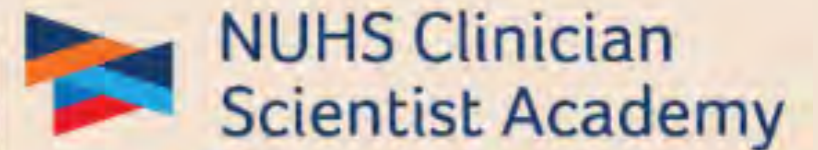


CS Definition	
<i>National CS</i>	Ongoing PIs of NMRC Human Capital Awards (STaR, CSA, HCSA, CIA).
Cluster Clinician Researchers	
<i>Ongoing Independent clinician PIs</i>	<p>Not ongoing PIs of NMRC Human Capital Awards (STaR, CSA, HCSA, CIA), and meet all the following criteria:</p> <ol style="list-style-type: none"> Holds a MD/MBBS/BDS (for a doctor/dentist) or is a Healthcare/Health Science Professional*. Ongoing independent PI of at least 1 national/international grant of IRG-level (e.g. CS IRG, HSRG, NHIC I2D) or has funding from private (e.g. industry funding) / philanthropic sources. <ul style="list-style-type: none"> The grant should not be TA, NIG, YIRG or equivalent level of award. Ongoing PIs of NMRC grants under the following programmes can be included: <ol style="list-style-type: none"> CS Individual Research Grant (CS IRG) Clinical Trial Grant (CTG) COVID-19 Research Fund Health Services Research Grant (HSRG) Population Health Research Grant (PHRG) National Innovation Challenge on Active and Confident Ageing (NIC Ageing) Open Fund - Individual Research Grant (OF IRG) Open Fund - Large Collaborative Grant (OF LCG) - to include corresponding PIs and Theme PIs
<i>Cluster Designated CS</i>	<p>Holds a MD/MBBS/BDS (for a doctor/dentist) or is a Healthcare/Health Science Professional and belong to the following:</p> <ol style="list-style-type: none"> Leads, Theme and Core PIs of centre grants NUH top 10% for research index (publication and/or grant performance) & NUS EX grading for research – 3 out of 3 years (This includes Clinicians from NUH and NUS who are in the top 10% for 3 consecutive years)
CS Pipeline	
<i>NMRC-Supported CS Pipeline</i>	Ongoing recipients of TA, CIDA, NMRC RTF and CS Residents
<i>Cluster-Support CS Pipeline</i>	<p>Not ongoing recipient of NMRC Talent Awards (STaR, CSA, HCSA, CIA, TA, CIDA, NMRC RTF or CS residency) or already listed as a Cluster Clinician Researcher, and meet all the following criteria:</p> <ol style="list-style-type: none"> Holds a MD/MBBS/BDS (for a doctor/dentist) or Healthcare/Health Science Professionals*. Undergoing or completed formal research training typically not exceeding 8 years and identified by cluster/medical school to be groomed as CS

* Healthcare/Health Science Professionals - Nurses, Pharmacists, and Allied Health Professionals (AHPs) who are in clinical practice, doing research in clinical settings or doing research with clinical and healthcare applications/relevance. Ref. MOH website for the list of AHPs: <https://www.moh.gov.sg/hpp/allied-health-professionals/career-practices/CareerNPracticesDetails/allied-health-professions>

Our Journey in 2023

The journey in becoming a Clinician-Scientist matters as much as the destination.



- Engagement Session: CS - Assistant Professors on Tenture Track

- Launch Research Tryouts
- Launch CS Guidebook
- NUP Roadshow
- CS - Hot Topic: Challenges & Opportunities in IITS
- Session by Prof Howard Baucher:
 - Writing your 1st Grant



- Meet, Greet & Shoot the Breeze (Residents)
- Meet & Greet with Prof Michael Chee
- CI Career Talk by Prof Lim Chwee Teck
- CI Hot Topic: Deep Collaboration Across Disciplines
- Launch Scientific Illustration Services



- Fireside Chat with Prof Zhong Nanshan
- Meet & Greet with Prof Tai E Shyong



DEC

- NCSP V2.0 Grant Call (Dec)

JAN



APR

- ExxonMobil - NUS Research Fellowship Grant Call (Apr)

JUN

- NCSP V2.0 Grant Call (Jun)

AUG

- Launch CS Academy Research Concierge
- Launch NUHS CS Evening

OCT

- Concierge

NOV

- Fireside Chat with Dr Raghav Sundar

FIRE-SIDE CHAT

WITH DR. RAGHAV SUNDAR

BRINGING INNOVATIONS FROM "IDEA" TO "CLINICAL IMPLEMENTATION"

- Meet & Greet with Prof Tina Wong
- Sessions by Prof Howard Baucher:
 - Tips for young researchers
 - Preparing Manuscript
- Engagement with A*STAR CS scholars

FEB



CONGRATULATION!

Dr Eng Der Jia

Dr Janelle Tan

- Navigating the academic path: Trials and errors
- Talk on Technology Development by Prof Low Teck Seng

NCSP V2.0 AWARDEES

NCSP V2.0 Grant Call



- CSDU-CS Academy: NUHS CS Bootcamp



- Meet & Greet with Prof Julian Thumboo

- NUHS CS Evening

Support

ExxonMobil-NUS Research Fellowship for Clinicians

The ExxonMobil-NUS Research Fellowship for Clinicians sponsored by the ExxonMobil Scholarship Fund, is a local fellowship for clinicians who wish to pursue research training in Singapore. The objective of the Fellowship is to recruit and nurture a promising cadre of clinician-scientists in Singapore actively involved in translational research by ensuring protected time for awardees to learn, undertake and develop a passion for research activity and administration.

Senior Resident/MO to Senior Consultant level whose supervisor/mentor is an academic staff from NUS Yong Loo Lin School of Medicine may apply. For more information on the grant, click [here](#).



April 2023 Awardees



Dr. Eng Pei Chia
Associate Consultant
Endocrinology, NUH

"Evaluation of incretin and glucagon response to OGTT in women with gestational diabetes from pregnancy to postpartum"



Dr. Jarrod Tan Kah Hwee
Senior Service Resident
Colorectal Division,
General Surgery, NUH

"Is surgical high dependency still necessary after elective laparoscopic colectomy for high-risk patients?"

Support

NCSP 2.0

NCSP 2.0 aims to provide funding to support young talents to embark on their research, build their research portfolio, and eventually clinch a national level competitive research grant or talent award.

Senior Residents entering NUHS employment, Associate Consultant or Consultant may apply. For more information on the grant, click [here](#).

Jun 2023 Awardees



Dr. Tan Yong Qiang Benjamin
Assoc. Consultant, Neurology, NUH

"INVESTIGATE (INtracranial Vasular hEterogeneity STudied through Genetics, Transcriptomics, Immune profiling and Advanced Neurovascular Imaging Techniques)"



Dr. Chan Kok Hong Dedrick
Consultant, Colorectal Surgery, NUH

"Validation of STAG2 as a pre-driver mutation in colorectal cancer oncogenesis using patient-derived human colonic organoid"



Dr. Wong Su Ren
Princ. Occupational Therapist, Rehabilitation, NUH

"Early therapy to optimize YoUR cognitive health (E-TOUCH): examining the efficacy of early and intense occupational therapy on long term cognitive impairment after Coronary Artery Bypass Graft (CABG) surgery"



Dr. Nicholas Syn Li-Xun
Medical Officer, Pathology, MOHH/NUH

"Impact of NAFLD and NASH-Cirrhosis on liver regeneration at single-cell resolution and their modulation by therapeutics"

Support

How did the ExxonMobil award help my research career?

"I am extremely grateful for the ExxonMobil-NUS award, which has granted me the opportunity and time to undergo translational science and research training. This experience has served as a springboard for me as I delve deeper into the study of stroke in young adults through the lenses of genetics, transcriptomics, immune biomarkers and novel imaging techniques."

- Dr. Benjamin Tan Yong Qiang, Associate Consultant, Neurology, NUH



"The ExxonMobil Award has been instrumental in providing both protected time and a quantum of funding to develop my research interest in contaminants of emerging concern. This has been instrumental in setting up the groundwork and establishing connections with an international group of collaborators and experts. I am grateful for the opportunity to advance in this field of increasing importance and contribute to our growing understanding of its impact on human and ophthalmic health."

- Dr. Chris Lim Hong Long, Associate Consultant, Ophthalmology, NUH



How did the NCSP 2.0 help my research career?

"I am sincerely grateful for the opportunity to express my heartfelt appreciation for being selected as a recipient of the NCSP 2.0 grant earlier this year. Your generous support has had a profound impact on the beginning of this incredibly exciting journey in unravelling the mysteries of the various immune components of human milk during my PhD candidature. Thank you for believing in the potential of this project!"

- Dr. Low Jia Ming, Associate Consultant, Neonatology, NUH



"The NCSP 2.0 has supported my training to be an independent researcher by providing funding for research manpower to initiate our neurosurgical cohort study in spontaneous intracerebral hemorrhage, as well as to obtain the necessary data for connectomic analyses in post-stroke cognitive impairment and dementia."

- Dr. Mervyn Lim Jun Rui, Senior Resident, Division of Neurosurgery, NUH



"The NCSP 2.0 award has enabled me to better address gaps in knowledge in an understudied area - preventive oral health. It is encouraging and inspiring to learn from a community of experienced clinician scientists, and to be kept updated on the latest developments on the research front."

- Dr. Sharon Tan Hui Xuan, Research Fellow, Saw Swee Hock School of Public Health, NUS



Support

"The NCSP v2.0 grant has provided me with funding for my animal studies, without which I would not have been able to proceed with my research work so smoothly. More importantly, the team from CS Academy has consistently provided invaluable guidance for my research-related enquiries, and helped me navigate the clinician-scientist path better."



- Dr. David Chen Ziyou, Consultant, Ophthalmology, NUH

"Being awarded the NCSP has been an amazing experience! Other than the resources to bring to fruition a research idea,



the NCSP has provided me with valuable mentorship and introduced opportunities for collaboration and academic learning – all of which are crucial to a career in research."

- Dr. Hong Wei Zhen, Consultant
Renal Medicine, Alexandra Hospital

"The NCSP award allowed me to quickly kick-start my study on developing psycho-behavioral interventions for dermatology patients. I was able to gather preliminary data and start work on developing a mobile app. This strengthens my eligibility to pursue additional grants to expand the project scope as time went on. Additionally, the award offloaded a significant financial aspect of my part-time MBA that would otherwise be fully self-funded. This award was particularly emotional for me as it followed a series of rejections - 'will your MBA help us?', 'why should we support your personal plans?' The generosity of this award, devoid of bonds, KPIs and the like, spurs me to give even more of myself back to the institution. The sincere commitment to nurturing the next generation of researchers, coupled with the trust and freedom to pursue our individual paths, is truly encouraging."



- Dr. Ellie Choi, Associate Consultant, Dermatology, NUH

Our publications and grants achievements

Click [here](#) for NUHS NUSMed top publications 2023

Click [here](#) for NUHS NUSMed programmatic grants 2023





Support

Research Concierge

Support and educate pipeline clinician scientists on administration and research coordination required for conducting their studies.

Services provided include:

GRANT MANAGEMENT & FINANCE

- Procurement of equipment and consumables
- Reimbursement of fees (publication, conferences, courses, etc)
- Tracking of grant funding expenses
- Grant virement/expansion
- Payment and transfer of funds

CLINICAL RESEARCH COORDINATION

- IRB/IACUC/OSHE Admin - regulatory submission tracking, amendments, extensions & renewal
- Research agreement - administrative support
- Management of equipment and consumables
- Study meeting coordination & report submission
- Subject recruitment and recruitment strategies
- Database management (i.e. REDCap)
- Study monitoring - initial, ad-hoc & close-out monitoring, educating PIs on key-areas for external audits
- Study documentation and protocol management

Support

What Clinician Scientists are saying about the Research Concierge



Dr. Mervyn Lim

Senior Resident
Division of Neurosurgery, NUH

"Development of in-house processes for the start of the cohort to be established under the grant has been extremely well done."



Dr. Low Jia Ming

Associate Consultant
Dept. Neonatology, NUH

"It was helpful to orientate the team and new RA re: CRC roles & upkeep of investigator files, etc. Jasmine was very meticulous too."



Dr. Sim Ming Ann

Associate Consultant
Dept. Anesthesia, NUH

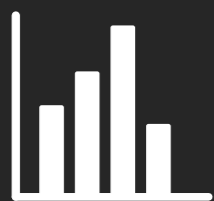
"Jasmine has been an invaluable source of expertise and support for our work and grant research project."



Support

Research Support Unit (RSU)

Helping scientists in all stages of their research, the RSU provides the following services:



Biostatistics

Consultation

- Study design, sample size
- Statistical analysis preparation

Research Collaboration

- Data analysis, interpretation and manuscript preparation

Training

- Post-graduate courses
- Workshops and talks

Grant Enhancement

- review and improvement of statistical methods for proposals

Contact:
Dr. Sheng Liang
medsl@nus.edu.sg



Medical Scientific Communication

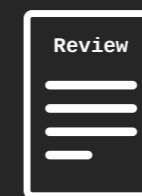
Manuscript Editing

- Editing and polishing manuscripts for peer-reviewed publications

Grant Enhancement

- Development or pre-submission editing of research grants.

Contact:
Dr. Rupangi Verma
rsu-nuhs@nus.edu.sg



Systematic Review

Consultation & Training

- Development and writing of a systematic review
- Courses on systematic review and meta-analysis

Project Collaboration

- Development of the systematic review and meta-analysis part of a research project

Guidance

- Registration for research projects with Cochrane collaboration

Contact:
Dr. Miny Samuel
medminy@nus.edu.sg



Scientific Illustration

Editorial & Academic Illustration

- Journal and book covers
- Figures for papers
- Figures for books

3D Visualization

- 3D data editing (CT Scan, MRI, etc...)
- Modeling/Sculpting/Rendering
- 3D Printing

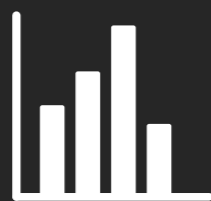
Consultation and training

- Workshops/Tutorials
- Figure preparation advice

Contact:
Dr. Diego P. Araujo
diego@nus.edu.sg

Support

The RSU production in 2023



Biostatistics

Consultation

- Research projects aided 160+
- Co-authorship 71

Education

- Workshops 13
- Postgrad. modules 1
- Undergrad. modules 2
- Short talks 2

Clients included:
NUS, NUH, SGH, IMH, National
Psychiatry Didactics, Menarini - Asia
Pacific

Journal of Clinical Oncology®
An American Society of Clinical Oncology Journal

ORIGINAL REPORTS | June 05, 2023

Anthracycline-Free Protocol for Favorable-Risk Childhood ALL: A Noninferiority Comparison Between Malaysia-Singapore ALL 2003 and ALL 2010 Studies

Authors: Hany Ariffin, PhD, MBBS, Edwynn Kean Hui Chiew, MBBS, CCRP, Bernice Ling Zhi Oh, MBBS, Shawn Hsien Ren Lee, MBBS, Evelyn Huizi Lim, BSc, Shirley Kow Yin Kham, BSc, Wan Ariffin Abdullah, MBBS, and Allen Eng Juh Yeoh, MBBS

[AFFILIATIONS](#) [AUTHORS INFO &](#)

Publication: Journal of Clinical Oncology • Volume 41, Number 20 • <https://doi.org/10.1200/JCO.22.02347>

THE LANCET
Rheumatology

This journal Journals Publish Clinical Global health Multimedia Events About

ARTICLES | VOLUME 5, ISSUE 10, E584-E593, OCTOBER 2023 [Download Full Issue](#)

Impact of low disease activity, remission, and complete remission on flares following tapering of corticosteroids and immunosuppressive therapy in patients with systemic lupus erythematosus: a multinational cohort study

Jiacai Cho, MBBS, Liang Shen, PhD, Molla Huq, PhD, Rangi Kandane-Rathnayake, PhD, Vera Golder, PhD, Prof Worawit Louthrenoo, MD, et al. [Show all authors](#) • [Show footnotes](#)

Published: September 12, 2023 • DOI: [https://doi.org/10.1016/S2665-9913\(23\)00209-6](https://doi.org/10.1016/S2665-9913(23)00209-6) [Check for updates](#)

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ARTICLES | VOLUME 57, 101850, MARCH 2023 [Download Full Issue](#)

Trends and predictions of malnutrition and obesity in 204 countries and territories: an analysis of the Global Burden of Disease Study 2019

Bryan Chong, Jayanth Jayabaskaran, Gwyneth Kong, Yfong Huak Chan, Yip Han Chin, Rachel Goh, et al. [Show all authors](#) • [Show footnotes](#)

Open Access • Published: February 15, 2023 • DOI: <https://doi.org/10.1016/j.eclinm.2023.101850> [Check for updates](#)

Support

The RSU production in 2023



Medical Scientific Communication

Text Editing

- Manuscript for publication	18
- Grant proposal	18
- CSDU (GEM)	5

Education

- Writing clinics	13
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Clients included:
NUS, NUH

[nature](#) > [signal transduction and targeted therapy](#) > [articles](#) > [article](#)

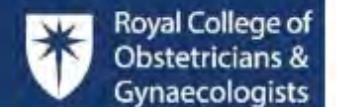
Article | [Open access](#) | [Published: 10 June 2023](#)


Dicoumarol is an effective post-exposure prophylactic for SARS-CoV-2 Omicron infection in human airway epithelium

[Yang Peng](#), [Shi-ying Chen](#), [Zhao-ni Wang](#), [Zi-qing Zhou](#), [Jing Sun](#), [Gui-an Zhang](#), [Jia Li](#), [Lei Wang](#), [Jin-cun Zhao](#), [Xiao Xiao Tang](#) , [De-Yun Wang](#)  & [Nan-shan Zhong](#) 

Signal Transduction and Targeted Therapy **8**, Article number: 242 (2023) | [Cite this article](#)

BJOG An International Journal of
Obstetrics and Gynaecology



RESEARCH ARTICLE | [Open Access](#) | 

Preconception maternal retinal arteriolar narrowing and fetal growth throughout pregnancy: A prospective cohort study

[This article relates to:](#) 

[Ling-Jun Li](#) , [Ruochen Du](#), [Jerry Kok Yen Chan](#), [Kok Hian Tan](#), [Tien Yin Wong](#), [Johan G. Eriksson](#), [Lin Lin Su](#), [Yap Seng Chong](#), [Zhongwei Huang](#), [Cuilin Zhang](#)

First published: 28 July 2023 | <https://doi.org/10.1111/1471-0528.17621> | Citations: 2



Viruses. 2023 May; 15(5): 1193.

Published online 2023 May 18. doi: [10.3390/v15051193](https://doi.org/10.3390/v15051193)

PMCID: PMC10222255

PMID: [37243278](https://pubmed.ncbi.nlm.nih.gov/37243278/)

Quantitative Mutation Analysis of Genes and Proteins of Major SARS-CoV-2 Variants of Concern and Interest

[Fengyi Liang](#)

Support

The RSU production in 2023



Systematic Review

Consultation & Training

- Research projects aided 25+

Education

- Workshops 4

- Lectures 1

Publications

- Published reviews 9

- Conference presentation 1

Clients included:
NUS, NUH, A*STAR, Menarini Medical
Affairs

[nature](#) > [blood cancer journal](#) > [articles](#) > [article](#)

Article | [Open access](#) | [Published: 07 September 2023](#)

Efficacy and safety of front-line treatment regimens for Waldenstrom macroglobulinaemia: a systematic review and meta-analysis

[Wee-Lee Chan](#), [Vanessa Cui Lian Chong](#), [Ian Jun Yan Wee](#), [Li Mei Poon](#), [Esther Hian Lee Chan](#), [Joanne Lee](#), [Yen-Lin Chee](#), [Anand D. Jeyasekharan](#), [Wee-Joo Chng](#), [Miny Samuel](#) & [Sanjay de Mel](#)

Blood Cancer Journal 13, Article number: 140 (2023) | [Cite this article](#)

JOURNAL ARTICLE

Oncologic outcomes after breast-conserving surgery with radiotherapy *versus* mastectomy in patients with Paget's disease of the breast: systematic review and meta-analysis [Get access >](#)

[Serene S N Goh](#) , [Nicholas L X Syn](#), [Cheryl J E Lim](#), [Rui En Lee](#), [Miny Samuel](#), [Celene W Q Ng](#)

British Journal of Surgery, Volume 110, Issue 11, November 2023, Pages 1451–1457, <https://doi.org/10.1093/bjs/znad199>

Published: 08 September 2023 [Article history](#) ▼



Journal of Allergy and Clinical Immunology:
Global

Volume 3, Issue 1, February 2024, 100181



Impact of COVID-19 pandemic on adults and children with atopic dermatitis and food allergy: Systematic review

[Colver Ken Howe Ne MB.BChir](#)^a, [Noor Hidayatul Aini Suaini PhD](#)^b, [Win Thu Aung](#)^c, [Kevin Gheng Seong Ong](#)^d, [Miny Samuel PhD](#)^e, [Elizabeth Huiwen Tham MBBS](#)^{b f g h}

Support

The RSU production in 2023



Scientific Illustration

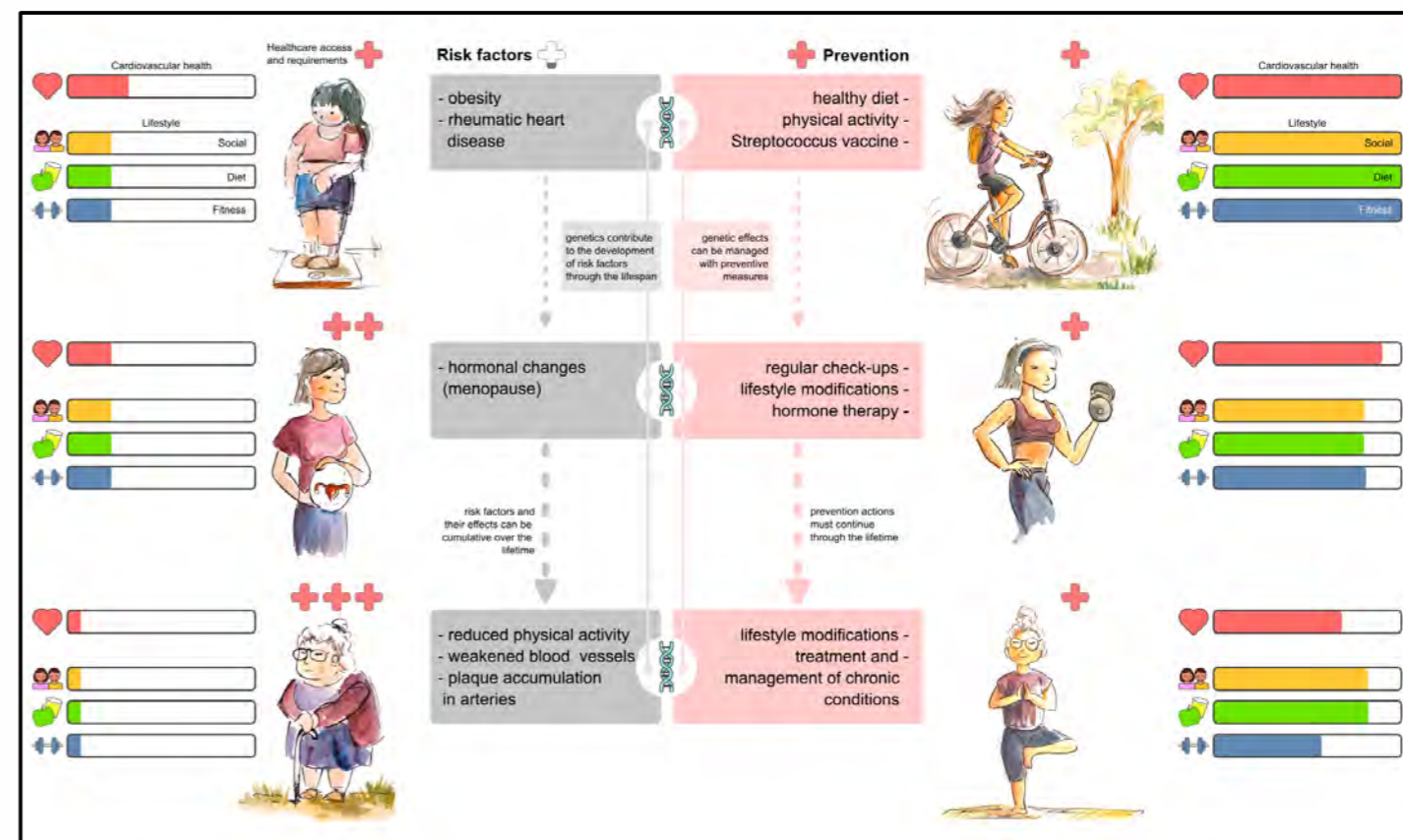
Editorial & Academic Illustration

- Figures for manuscripts 11
- Figures for grant proposals 4
- Illustrations for apps 10

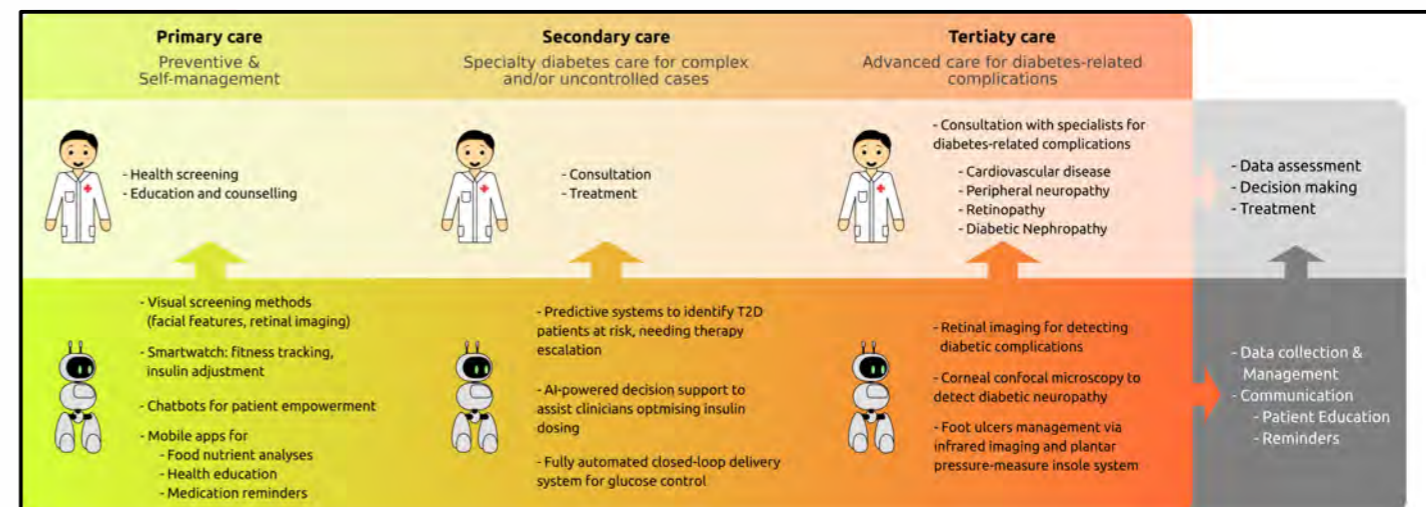
Visuals for Research Events

- Event banner 7
- Infographic 3

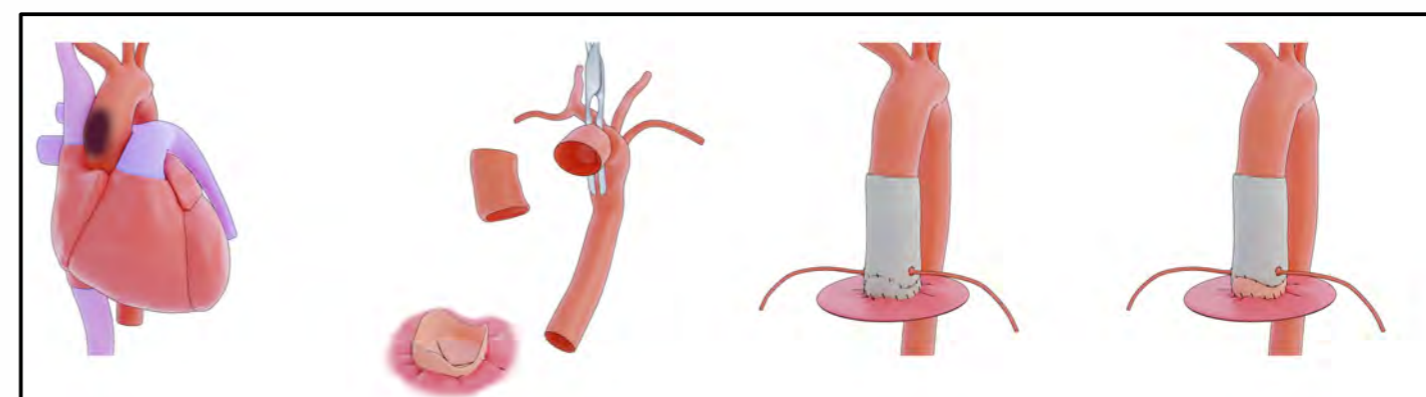
Clients included:
NUS, NUH



In progress manuscript on global women heart health, for Dr. Mayank Dalakoti and collaborators.



In progress manuscript on AI aided diabetes care, for Dr. Yih Chung and collaborators



In progress manuscript on aortic valve replacement, for Dr. Faizus Sazzad and collaborators

Enable



CS Spotlight

Initiated in October 2022, the CS Academy seeks to feature our very own clinician scientists, where they share their research journeys and some interesting/lesser known facts about themselves. Since the launch, we have featured 7 of our very own clinician scientists.

Click [here](#) to read up on their stories.

Dr. Ellie Choi Ci En - Dermatology

CS or not, find something that interests and motivates you. Don't take things at face value, or be tempted by paths that are easily available.

Also, don't compare yourself to others. I struggled with fears of "lagging behind" and how I would match up against others. Would I ever "make it" as a CS? But truly, everyone is walking their own unique path and journey, and regardless of the speed, we are all heading toward a common goal. It's a dangerous slope to see one's peers as competitors.



Dr. Amanda Chan Chee Yun - Neurology

"Don't let others define you. Don't let the past define you. You define yourself and shape your own future."

Prof. Christopher Chen Li-Hsian
- Psychological Medicine

It's really important in life to find good people whoever and wherever they are, and then to find a way to work with them to achieve change. It's only natural that when you are younger you want to be a lone wolf, but we should learn patience and develop the capacity to find and deal with people in different ways to achieve things.



Dr. Elizabeth Tham Huiwen
- Pediatrics

Look to problems you face in clinical practice as the basis for research ideas, which would then translate to clinically relevant interventions for research. Protected time for research is absolutely critical for success. As such, having a fully supportive mentor and HOD is paramount.

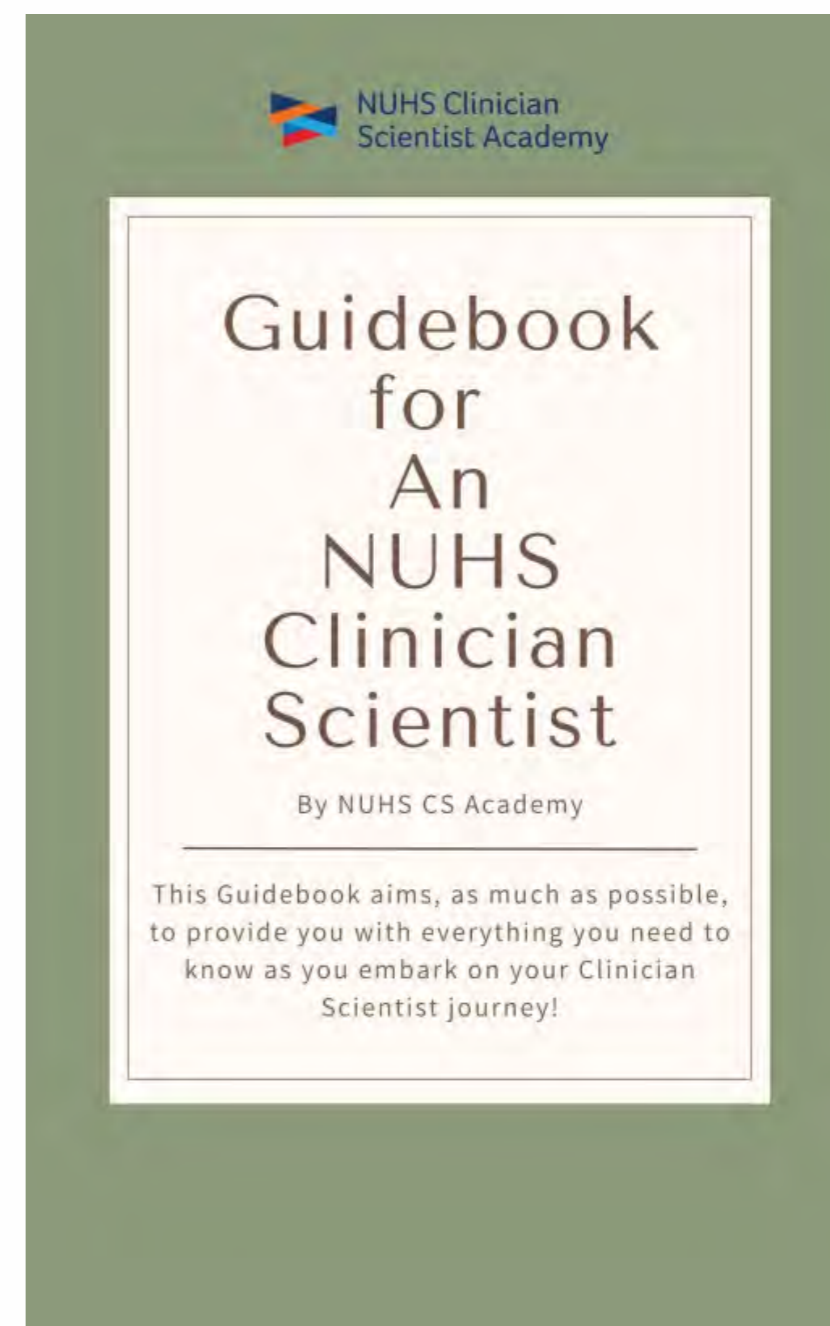


Look for seed grants and other funding opportunities which are ring-fenced only for early career researchers, as these will provide you with preliminary data that can be used to support larger grants like an NIG or TA. Networking! Actively look for opportunities to meet, or ask to be introduced to other researchers in your field of interest as they may eventually become your collaborators.

Enable

NUHS CS Guidebook

Launched on March 2023, the NUHS CS guidebook is a one-stop resource for anyone doing research in NUHS. The guidebook is updated on a quarterly basis and is available [here](#).



Enable


Saturday Research Training Series

In 2023, CS Academy lined up a series of Saturday talks broadly covering Translational Research, Innovation and Health-services. Topics on research trends, spinoffs and career talks were covered.

10 sessions were organized in 2023. The speakers included:

- Prof. Howard C. Bauchner
- A/Prof. David Tan Shao Peng
- Dr. Catherine Ong
- Prof. Lim Chwee Teck
- Prof. Dean Ho
- Colleagues from the Research Support Unit (RSU):

Dr. Jennie Wong, Dr. Shen Liang, Dr. Chan Yiong Huak, Dr. Miny Samuel (yearly repeated talks)



NUHS Clinician Scientist Academy

Saturday RESEARCH TRAINING SERIES 2023

The series aims to nurture and equip all Clinician-Scientists, Innovators and Health-Service Researchers within our ecosystem. We'll cover topics on research trends, ABCs of spinoff and career talk.

Date: 2nd and 4th Saturday of every month *Starting February 2023
Time: 9am
Mode: Zoom (Virtual)
CME accreditation: Yes

Announcement

Preview

April 08 Navigating (and still at it) the academic path: Trials & Errors
A/Prof Catherine Ong Wei Min
 Asst. Prof, Dept. of Medicine, NUSYLLSOM
 PI, Institute for Health Innovation and Technology, NUS
 Consultant, Div. of Infectious Diseases, NUH
 VC, Singapore Tuberculosis Control Unit

May 13 How Technological Innovation is Transforming and Advancing Healthcare in the Digital Era
Prof Lim Chwee Teck
 NUS Society Chair Professor of Biomedical Engineering
 Director, Institute for Health Innovation and Technology, NUS

For more information on upcoming talks, visit us @ <https://medicine.nus.edu.sg/csa/events/>

CONTACT US: cs_academy@nus.edu.sg



NUHS Clinician Scientist Academy

Preparing Manuscripts for Submission to Influential Journals

In this 2 hour seminar, Dr. Bauchner will explore various issues for experienced investigators submitting their manuscripts to influential journals for publication, including how to select the correct journal, the cover letter, introduction, methods, results, and discussion. In the seminar Dr. Bauchner will also address how to respond to a request for revision, and evolving issues in medical publishing, such as pre-prints and data-sharing.

Dr Howard C. Bauchner
 Professor of Pediatrics and Public Health, Boston University School of Medicine and Public Health
 Editor, Chief of Archives of Disease in Childhood (2003-2011)
 Editor in Chief, JAMA and the JAMA Network, (2011-2021)

Target Audience
 For committed investigators : intense and in-depth look at how to publish manuscripts in influential journals

Repeated Sessions (*Register for one session only)

- 13 FEB (MON), 5-7PM
 NUHS TOWER BLOCK T07-03
- 18 FEB (SAT), 9AM-11AM
 NUHS TOWER BLOCK T06-03
- 22 FEB (WED), 5-7PM
 NUHS TOWER BLOCK T08-04

Register Now!

Contact us: cs_academy@nus.edu.sg

Workshops

Feb-Mar 2023

Prof. Howard C. Bauchner

In a series of 2-hour seminars, Prof Bauchner (past Editor-in-Chief of JAMA) explored various issues that investigators face when submitting their manuscripts to high impact journals. He also addressed how to deal with manuscript revision and evolving issues in medical publishing.

Due to an overwhelming response for the session, a fourth session was organized. Feedback unsurprisingly came back with a 5-star rating

- "Excellent talk by Prof Howard on how to write a manuscript full of helpful advice gained from decades of experience. Thank you for organising such a useful event "

- "Great insights from a true subject matter expert (can't think of a better domain expert for this particular topic than the editor of one of the top journals)"

- "Engaging seminar by Howard Bauchner!"

Enable

Workshops

April 2023

Prof. Low Teck Seng

In this seminar, Prof. Low shared and discussed the exciting developments in digital and physical sciences and how he envisions their impact and application in medical sciences and the delivery and management of public health. He also offered his valuable insights as the past Chairman of NRF.

NUHS Clinician Scientist Academy

TECHNOLOGY DEVELOPMENTS & THEIR POTENTIAL APPLICATIONS IN BIOMEDICAL SCIENCES

SPEAKER :
Prof Low Teck Seng
*Professor, Electrical and Computer Engineering, NUS
 Senior Vice President (Sustainability & Resilience), NUS*

The talk will discuss some of the exciting developments in digital and physical sciences and their impact and application in medical sciences and the delivery and management of public health. It will also describe some of new emerging sciences, such as quantum, and the opportunities they will present.

REGISTER NOW! 10 APRIL, 2023
 9:00-10:30AM
 NUHS TOWER BLOCK, T12-03

QR code:

NUHS Clinician Scientist Academy

FIRE-SIDE CHAT

WITH
DR. RAGHAV SUNDAR

BRINGING INNOVATIONS FROM "IDEA" TO "CLINICAL IMPLEMENTATION"

In this session, Dr. Raghav Sundar, a clinician-scientist will share his journey of bringing an idea which was first conceived when he was in senior residency all the way through clinical implementation and potential global impact. Those interested in learning about innovation, biodesign, patenting, licensing, commercialization, designing and running clinical trials including randomized phase 3 global studies should attend for a personal one-on-one chat.

November 08, 2023 | NUHS Tower Block T08-04 | 6:00 - 7:00PM
 Light refreshments will be provided.

Speaker
Dr. Raghav Sundar
 • Senior Consultant, Department of Haematology-Oncology, NCIS
 • Assistant Professor, Department of Medicine, NUS YLISOM

REGISTER NOW

QR code:

November 2023
 Dr Raghav Sundar and
 Dr Koh Shuwen

In this seminar, Dr. Raghav and Dr. Shuwen shared the journey they have taken with their innovation dealing with peripheral neuropathy in cancer patients treated with Paclitaxel.

NUHS Clinician Scientist Academy

MEET & GREET: FIRE-SIDE CHAT

Prof Zhong Nanshan
 • Medical Professor, Guangzhou Medical College
 • Editor-in-chief, Journal of Thoracic Disease

Professor Zhong Nanshan FRCPE FRCP FRCPI is a Chinese pulmonologist. He earned international fame for managing the SARS outbreak and was renowned for refuting the official line which downplayed the severity of the crisis. He was voted one of China's top 10 scientists in 2010. During the COVID-19 pandemic (first identified in Wuhan, Hubei), he was a leading advisor in managing the crisis, suggesting evidence-based control measures to contain the disease and sharing the successful treatment plan with the international community. He was named by Time as one of the 100 most influential people in the world in 2020. That year, he received from Chinese leader President Xi Jinping the Medal of the Republic, the highest state honor, for his outstanding contribution to fighting the COVID-19 epidemic.

September 22, 2023 | NUHS Tower Block T10-02 | 5:30 - 6:30PM
 Light refreshments will be provided.

REGISTER NOW

QR code:

September 2023

Prof. Zhong Nanshan

In this seminar, Prof. Zhong shared his insights and lessons learnt from how he managed the COVID pandemic in his country. In particular, he emphasized to young people how it is important to follow the science and "be brave" to do the right thing.

Nurture

Bootcamp

Jointly organized by NUHS CS Academy and Clinician Scientist Development Unit (CSDU) the bootcamp was held on 18 – 19 August 2023 at Village Hotel Changi. In total, there are 32 invited participants where they got to:

- 1) learn research and professional skills,
- 2) hear from seniors and be inspired by their stories and
- 3) meet peers, make friends and form a network.



Prof. Shervanthi Homer-Vanniasinkam (Univ. College of London) talking about career development as clinician scientist.



Prof. Ramnik Xavier (Massachusetts General Hospital), talking about closing the gap between patients, science and care.



Dr. John Robertson (Grant Writers' Seminars and Workshops) conducting a 2 days grant writing workshop via Zoom.



Mr. Beh Kian Teik (CEO, NRF) talking about the NRF perspective on the research landscape in Singapore and the world.



After dinner drinks at the Little Island Brewery where participants get to mingle and network

Nurture

Meet & Greet

Happening across the year, various sessions were arranged with the giants of the field to engage our CS-es:

- Prof. Tina Wong
- Prof. Michael Chee
- Prof. Tai E Shyong
- Prof. Julian Thumboo



Prof. >>>

Meet and greet with Prof. Tina Wong
(Head & Senior Consultant, SNEC
Adj Prof YYLSOM, Dept. of
Ophthalmology, NUS)

Coffee Chat

On every 2nd and 4th Wednesday of the month, interested clinicians may arrange for 1 to 1 consultations with the Head or Deputy Head of CS Academy for discussion about undertaking research in their career.

NUHS Clinician Scientist Academy

CS Academy Coffee Chat

How can I get research protected time? Who can be my mentor? When should I start my PhD?

Do you have such similar questions on your mind?
Join us for a 1-1 consultation with Head/Dy Head of CS Academy for their guidance in your research career.

Date: 2nd and 4th Wednesday of each month
Time: 5pm
Location: Zoom (2nd Wednesday)
NUHS TB (4th Wednesday)
Open to: All NUS MD, residents, AC, C and SC

Please email cs_academy@nus.edu.sg for an appointment.

**Note: Please indicate the following in your email.

- Your preferred date and required time slot (30mins or 1hr)
- Current career status
- Objective of the session

REGISTER NOW

Research Tryout

This initiative is intended to give residents and junior clinicians the chance to undertake wet lab projects in short- to long-term research opportunities. To date, there are over 30 projects listed for interested junior clinicians to explore.

NUHS National University Health System | **NUS** National University of Singapore | Yong Loo Lin School of Medicine | **NUHS Clinician Scientist Academy**

Research Tryouts for Junior Clinicians

A new initiative to offer junior NUHS clinicians a taster of biomedical research and the lab

- Short to long term attachments to NUHS labs or research teams, including those led by NUHS Clinician Scientists
- Gain research experience and learn research methods: lab and data science, attend research meetings and journal clubs
- An immersive experience that may start you on a clinical career incorporating research

HOW

- To be carried out alongside your clinical training
- May be funded through NCSP2.0 or Exxon-Mobil Fellowship
- You may select your tryout from a list of NUHS research project opportunities which we have collected from NUHS labs and research teams

Contact the CS Academy at cs_academy@nus.edu.sg for the list of NUHS research project opportunities.

Nurture

Engagement Sessions

MEET, GREET & SHOOT THE BREEZE
INVITATION TO ALL RESIDENTS!

Prof Roger Foo
 • Zayed bin Sultan Al Nahyan Professor of Medicine, Director, NUHS Cardiovascular Disease Translational Research Programme
 • Asst Dean (Research), NUSYLLSOM
 • Head, NUHS Clinician Scientist Academy
 • Senior Consultant, NUHCS

Research is a great way to offer societal impact. But at the starting block of research, young clinicians will wonder how and where they can start. Knowing the strengths around us, helps us to start from a higher place, or to build from the ground where the gaps still are. Either way, it will pay dividend to know what strong research programmes there are on our campus.

When: 04 May 2023, 12-1PM
Where: MD6-09-01T

Lunch will be provided

REGISTER NOW

Contact Us: cs_academy@nus.edu.sg

MEET, GREET & SHOOT THE BREEZE

Over lunch, Prof. Roger met residents and shared on the theme:

“What are the well-funded research programmes in NUHS?”

CS EVENINGS

NUHS Clinician Scientist Academy

NUHS Clinician Scientists Evening

FRIDAY
25 AUG 2023
6PM - 7PM

THE GOOD BEER COMPANY
@ ASCENT

JOIN US FOR SOME BEER & PIZZA!

TO REGISTER:

<https://forms.office.com/r/wrPGzaUDBJ>

At **The Good Beer Company** (becoming our favourite watering hole), CS-es from different specialties and the spectrum of seniority mingled over beer and pizza.



Others

WhatsApp group chat


A platform for NUHS CS community to share research-related thoughts and resources. The chat also provide updates on research-relevant talks, workshop and conferences.

Conversations via WhatsApp


Prof Roger Foo

indices

1. Journal rankings matter
2. You are strongly discouraged from publishing in Q3-4 journals
3. Please scan the QR code to look up journal rankings in your specialist area



Scan this code to look up SJR journal rankings



(1) citation indices are in no way the "end-all", but to be competitive, we should get to know what they are all about. (2) look them up, familiarise. (3) STOP yourself from submitting to Q3-4 SJR journals! (friday evening CS news 🥰)

6:31 PM

👍👏 3

-Catherine Ong +65 9730 9779

To the young ones, to give a perspective from both sides of the fence, editors of a number of reputable journals also look at the track record of the (FLC) authors to gauge the number of citations, before deciding whether to proceed...

Elaine Tan

NUHS RESEARCH OFFICE ROADSHOW

23 October 2023 • 12:00noon-2:00 PM • Tower Block #08-03/04 Brown Bag Event

Do you have questions about research administration matters? Join us at the Roadshow to hear about key considerations and processes to facilitate and safeguard your research activities


TOPICS COVERED:

- Innovation Transfer Office**
 - How to innovate and partner with industry.
 - Patents and Agreements.
- Research Integrity and Compliance**
 - Research EPAS requests
 - Changes to the IRB System
- Research Office Finance**
 - Developing Internal Controls for Grant Claims
- Research Grants**
 - Grant Application Process (incl. new NMRC data sharing framework)
 - Direct Award Grant Management

NUHS RO is conducting an in person roadshow next Mon 23 Oct. Do drop in at TB if you are interested.

3:21 PM

Prof Roger Foo



WHO outlines considerations for regulation of artificial intelligence for health

The World Health Organization (WHO) has released a new publication listing key regulatory considerations on artificial intelligence (AI) for health.

www.who.int

<https://www.who.int/news/item/19-10-2023-who-outlines-considerations-for-regulation-of-artificial-intelligence-for-health> I've seen at least 10 research groups on our campus moving into this space... see Dean Ho's important document from WHO 🥰🥰


7:23 AM

👍 2

Others

NUH Grand Round

During the grand round session, Prof Roger shared with the NUH community the initiatives and resources which CS Academy has for the clinician-scientists.





SHAPING CLINICIAN SCIENTISTS IN NUHS FOR THE MEDICINE OF THE FUTURE



06 JANUARY, 2023 (FRIDAY)
7.30AM TO 8.30AM



ZOOM (SCAN QR CODE TO REGISTER)





Speaker
Prof Roger Foo

- Zayed bin Sultan Al Nahyan Professor in Medicine, NUS Yong Loo Lin School of Medicine
- Director, NUHS Cardiovascular Disease Translational Research Programme
- ACMB (Research), National University Hospital
- Deputy Director (Basic Science Matters), Cardiovascular Research Institute (CVRI), National University Health System (NUHS)
- Assistant Dean (Research), NUS Yong Loo Lin School of Medicine
- Head, NUHS Clinician Scientist Academy
- Senior Consultant, National University Heart Centre, National University Hospital

Chairperson
A/Prof Mahesh Choolani

- Head & Senior Consultant, Department of Obstetrics and Gynaecology, National University Hospital
- Senior Consultant, Division of Maternal Fetal Medicine, Department of Obstetrics and Gynaecology, National University Hospital

Synopsis

Every clinician should do some research, it is “good for the soul” and beneficial for rigorous academic training. After all, we are a tribe that has been rigorously trained for academic excellence and intelligent curiosity throughout our studying lives. But not everyone needs to make research their first priority. Those that do have chosen the path of being a clinician-scientist (CS). Being a CS is no longer a myth today. There are pathways, institutional and national, and even international, that are well trodden. The NUHS CS Academy was set up to solidify some of these resources. We do not claim to have all the answers, but we will search for them together. This grand round session aims to run through all the initiatives, and maybe chart out what it takes (if that is ever possible to do). Don't forget that being innovative is at the core of being a CS, and simply following well trodden paths is not congruent with innovation... at least not all the time.



For enquiries, pls contact NUH Medical Affairs (Edu)
at ma_edu_ofc@nuhs.edu.sg



Residency Open House

During the open house, our very own clinician scientists shared with the incoming residents the broad-based strategy which CS Academy has in grooming aspiring clinician-scientists within NUHS.



Special thanks to:

Dr. Sia Ching Hui
Dr. Nicholas Syn
Dr. Sim Ming Ann
Dr. Wendy Wong
Asst. Prof Raghav Sundar
Asst. Prof Su Xinyi

