



DukeNUS
Medical School

Master in International Translational Medicine Degree

- ▶ Prolific Learning Opportunities
- ▶ Expansive Course Structure



COMPETENCY

PROFESSIONALISM

LEADERSHIP

Message from the Directors

Dear Prospective Student,

The translational medicine journey can be uncertain and full of surprises. Without mentorship and guidance, one might easily feel overwhelmed and despondent. The newly launched Duke-NUS Master of International Translational Medicine (MITM) programme brings expertise from all along the Translational Medicine (TM) spectrum to help guide you through the nuances and intricacies of this journey.

Duke-NUS' MITM programme offers students direct access to international collaborations made possible through our partnership with the Eureka Institute for Translational Medicine. As an MITM student, you will engage in active learning opportunities with local and international experts in all fields along the TM continuum. Leading faculty from the Eureka partner programmes will also mentor you during your studies.



Scott Compton, PhD

Professor | MITM Programme Director
Associate Dean for Medical Education
Duke-NUS Medical School



Salvatore Albani, MD, PhD

Professor | MITM Strategic Director
Director | Translational Immunology Institute | SingHealth
Duke-NUS Medical School

Collaborating with Eureka

The Duke-NUS MITM programme strategically leverages its robust historical partnership with the Eureka Institute for Translational Medicine.

The Eureka Institute is an international network of leaders in the TM field. Founded in 2008, Eureka's world-class partner universities seek to build and foster a global community of translational medicine professionals. The Institute advances the application of biomedical innovation to yield tangible benefits for patients and society through education, research and community building.

Over the years, Eureka's network of partners, supporters and community members has grown in diversity and strength. SingHealth Duke-NUS has been ardently supporting the Eureka Institute since 2013. Together,

they deliver various educational outreach programmes such as a week-long international certificate programme hosted in Siracusa, Italy each year, and regional programmes hosted in the Netherlands and Singapore.

The Eureka Institute aims to expand the Eureka experience into advanced degree opportunities at its partner institutions. The Duke-NUS MITM programme helps the institution achieve this; students can directly access a heterogeneous community of TM professionals. MITM students can interact with faculty from Duke-NUS' Eureka partners through classroom-based activities and mentorship opportunities.

For more information on The Eureka Institute, please visit their website: <https://eurekainstitute.org>



Our MITM Programme

What is the Duke-NUS MITM Programme?

Duke-NUS MITM is a two-year part-time executive-style programme, designed to be compatible with those in full-time employment.

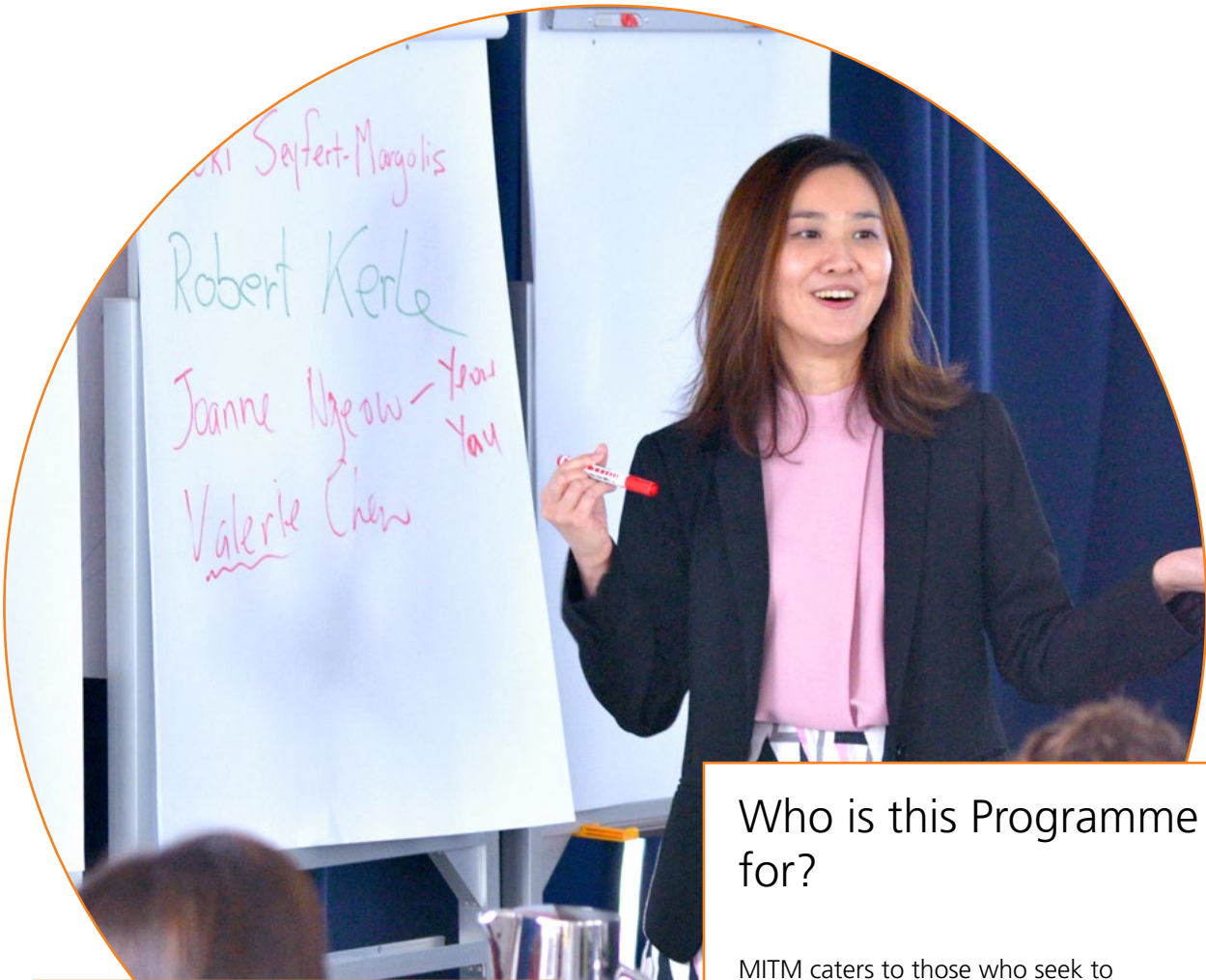
It touches on the entire spectrum of the TM journey. MITM equips healthcare researchers and professionals with the competencies necessary to effectively progress discoveries and innovations towards patient care solutions.

Why choose the Duke-NUS MITM Programme?

The MITM Programme is a unique opportunity to learn from those involved in TM—students can interact directly with those who have experienced various trials and errors whilst embarking on the TM journey. Those in the programme can also engage with world-leading experts through Duke-NUS' partnership with the Eureka Institute for TM.

The programme extends beyond learning content alone and fosters vital professional competencies. Such competencies include creative thinking skills, leadership, teamwork, communications and presentation skills.





How will MITM be delivered?

The programme comprises engaging and evidence-based educational strategies which are delivered virtually in the evenings from 6.30pm to 9.30pm, weekly.

Additionally, during three of the four semesters, students attend a week-long course held on or near the Duke-NUS campus.

Before each session, students will receive reading material necessary for preparatory work to lay the foundation required.

Who is this Programme for?

MITM caters to those who seek to address unmet needs and opportunities through technology and collaboration.

This programme is most suited for those who want to pick up the knowledge and tools necessary for the TM journey, such as healthcare providers, entrepreneurs, lawyers or patient advocates.

Student Testimonials

What our Students
say about MITM



"MITM provides exposure to different facets of the Biotechnology, Biomedical and healthcare spheres. Through MITM, I have connected with various key stakeholders. They provide expert methodological knowledge of various TM domains, such as Drug Development and Technology Transfers. MITM is a novel learning opportunity, with the right mentorship and culture, to equip oneself with the essential scientific and entrepreneurial principles in translating solutions for unmet patient needs."

Shaheed Mahmud

Bachelor of Science in Nursing (BSN),
Registered Nurse (RN)
Registered Nurse, SingHealth
Pioneer Batch of MITM Students



"The Duke-NUS MITM Programme is taught by experts in the field of TM. It is highly rewarding to learn from the experience as well as real-life examples that are being shared in the curriculum. It adds an additional dimension to the research work that can be carried out in the course of the study."

Dr Sudarshan Seshasai

Bachelor of Medicine and Bachelor of
Surgery (MBBS), Master of Medicine
(MMED), Fellow, Academy of Medicine,
Singapore (FAMS)
Associate Consultant, Singapore National
Eye Centre
Pioneer batch of MITM students

A Disruptive Alchemy Of Science For People

“The unique mix of remote and in-person teaching modalities, coupled with collaborative and active learning strategies, make the MITM ideal for working adults who have a strong interest in pursuing a graduate degree in TM.”

Assistant Professor Raihan Jumat

PhD, Fellow of the Higher Education Academy (FHEA)
Lead Educator, MITM



“When you bring talented and passionate people together on a mission, the speed of discovery exponentially increases. The MITM is the catalyst to do just that.”

Professor Scott Compton

PhD
Professor, Associate Dean for Medical Education
Programme Director, MITM

“The MITM gives a breadth of insight into the world of TM. It takes the learner through real-world scenarios and encourages problem-solving. The highlight is peer learning through the lens of different experiences and viewpoints. It is also a great platform to network with experts in the field.”

Assistant Professor Sarada Bulchand

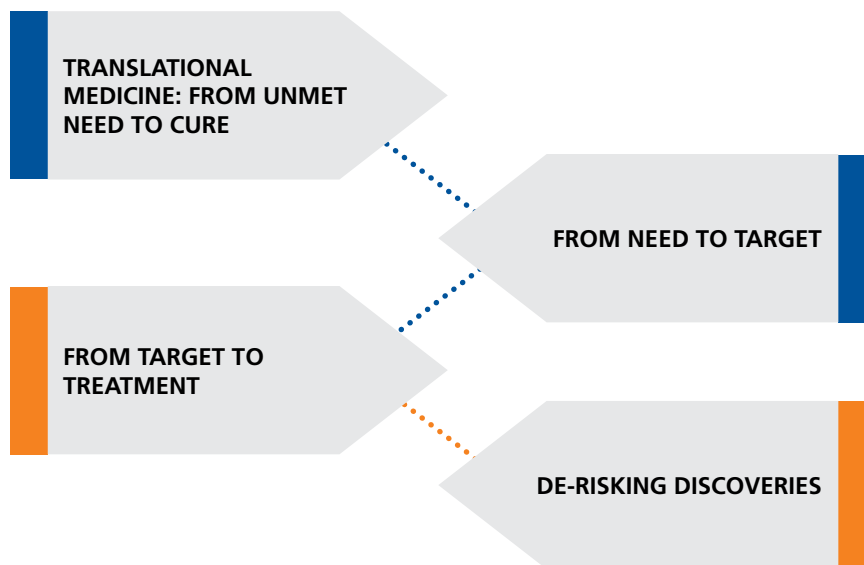
PhD
Facilitator, MITM
Lead, Career Development Programme
Faculty, Academic Medicine Education Institute



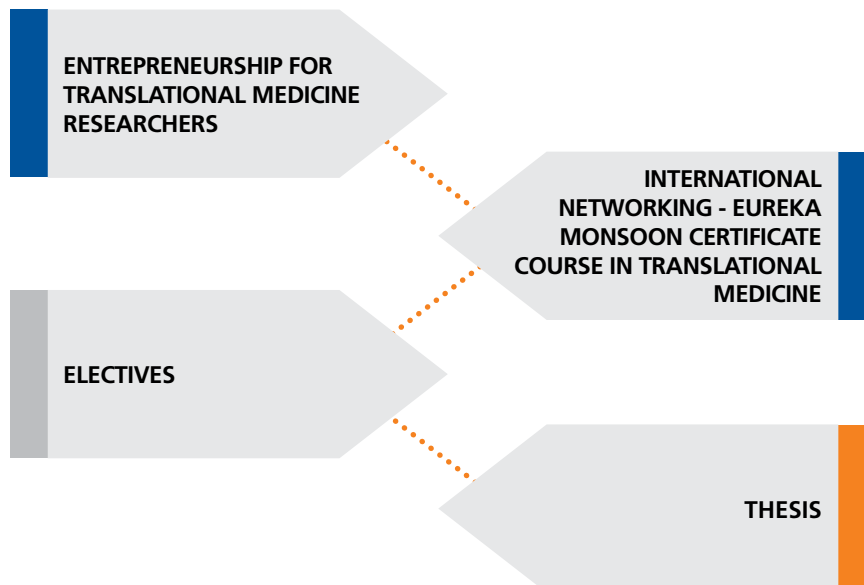
Course Structure

 Semester 1  Semester 2  Whole Year

YEAR 1



YEAR 2



YEAR 1

TRANSLATIONAL MEDICINE: FROM UNMET NEED TO CURE

Delivered in Person over 1 week in August

This course explores the challenges that all stakeholders face along the TM continuum. Students will dissect real-life cases affecting patients, scientists, healthcare professionals, regulators and the like in their quest to develop a solution for an unmet healthcare need.

FROM NEED TO TARGET

Delivered Virtually, January to April weekly (6.30pm-9.30pm)

This course exposes students to the clinical development process including exploration of the design, analysis and ethical issues related to establishing causal relationships between treatments and effects in patients.

FROM TARGET TO TREATMENT

Delivered Virtually, August to November weekly (6.30pm-9.30pm)

Students will explore the harnessing of technology in identifying novel therapeutic targets. They will also delve into the complexities associated with the drug discovery process.

DE-RISKING DISCOVERIES

Delivered in Person over 1 week in January

In this course, students will explore the different types of risks faced along the TM continuum. Real-world examples will help illustrate strategies for reducing risks.

YEAR 2

ENTREPRENEURSHIP FOR TRANSLATIONAL MEDICINE RESEARCHERS

Delivered Virtually, August to November weekly (6.30pm-9.30pm)

This course discusses TM's business aspect. Students will explore the profitability of discovery, protecting intellectual property, working with industry and funding to sustain the business of TM.

INTERNATIONAL NETWORKING - EUREKA MONSOON CERTIFICATE COURSE IN TRANSLATIONAL MEDICINE

Delivered in Person over 1 week in November

Students will immerse themselves in an intensive programme for personal and professional development required in TM endeavours. Here, students get to network with experts in all fields involved in TM and join the illustrious Eureka network.

ELECTIVES

Students can select an elective from the following list:

1. GMS5003: Fundamentals of Health Products Regulation
2. GMS5004: Regulation of Pharmaceutical Manufacturing
3. GMS5106: Regulation of Digital Health Products
4. GMS5115: Principles and Frameworks for Pharmacovigilance
5. GMS5116: Post-Market Activities for Pharmaceuticals
6. GMS5201: Implementation Science for Health Services
7. GMS5202: Research Methods for Health Services
8. GMS5203: Health Technology Assessment, Cost-Effectiveness and Decision-Making
9. GMS5204: Data Science plus Healthcare
10. GMS6811: Principles of Clinical Research

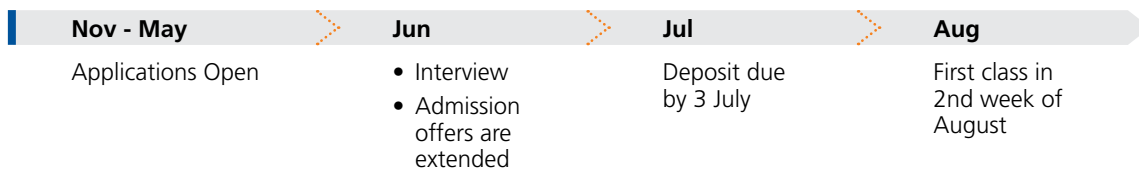
THESIS

Students will embark on a scholarly project with a faculty mentor to demonstrate their mastery of MITM's core content. This project will culminate with a thesis which takes the form of a literature review or a business proposal.

Admission Requirements

The MITM programme is an inclusive graduate degree programme. We welcome applicants from any industry who hold at least a Bachelor's degree and are working in the TM or Healthcare field.

Application Timeline



Course Fees

Course fees are payable per semester. SkillsFuture Singapore (SSG) Funding Schemes are not available for the MITM programme.

Per Semester Fee*

(Inclusive of fees and GST) S\$12,500

Per Annum Fees*

(Inclusive of fees and GST) S\$25,000

**Does not include miscellaneous fees. Singaporeans/Permanent Residents (PRs) and NUS alumni enjoy a tuition rebate of 10% and 15%, respectively.*

Financial Support

The MITM is a self-pay programme. Students considering applying for tuition support can explore the following avenues:

1. If you are a Singaporean or Singapore Permanent Resident, you may apply for tuition support from the National Medical Research Council Research Training Fellowship programme (NMRC RTF).

There are two possible NMRC RTF application periods annually—once in January and another in July. Those interested can visit <https://www.nmrc.gov.sg/grants/talent-development/nmrc-rtf> for specific application window periods and details.
2. If you are a SingHealth employee, you may approach your respective SingHealth Duke-NUS Academic Clinical Programme (ACP) Chair or Head of Department (HOD) to explore possibilities of tuition support.
3. NUS Executive & Administrative staff can visit <https://stafflearning.nus.edu.sg/masters-mentorship/> if they wish to apply for the NUS Masters Sponsorship scheme.
4. Applicants may refer to <https://nusgs.nus.edu.sg/scholarships/> for Scholarships and Financial Aid Schemes offered by NUS



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Duke University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award undergraduate and graduate degrees. Duke-NUS is not accredited by the Commission on Colleges and the accreditation of Duke University does not extend to or include Duke-NUS or its students.



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