Agency for Science, Technology and Research
SINGAPORE

Lead the Future of Science

- National Science Scholarship (Masters)
- National Science Scholarship (PhD)
- A*STAR Graduate Scholarship (AGS)
- A*STAR Computing & Information Science (ACIS) Scholarship

Scan for more info

Rebecca Khoo
NSS (PhD) Recipient, 2015

Yustynn Panicker
ACIS Scholarship Recipient, 2021

Tan Teck Leong
AGS Recipient, 2003

Michelle Lim
NSS (Masters) Recipient, 2021





Home Ground for the Best-in-Industry

Science. It's at the heart of everything we do. At the Agency for Science, Technology and Research (A*STAR), we are focused on pushing boundaries to develop Singapore's scientific capabilities and ecosystem, as well as nurture the next generation of scientific leaders.

Home to a vibrant ecosystem, leverage A*STAR's resources and support to turn your research into industry-ready solutions.

At A*STAR Graduate Academy (A*GA), we believe that diversity fuels innovation and interdisciplinary research. With an opportunity to study and conduct research at top universities in Singapore and abroad, be a part of a community of curious minds dedicated to overcoming the challenges of tomorrow's science and research landscape.

One Scholarship. Endless Possibilities.

We understand your passion can sometimes bring you to the most interesting places. From spearheading research breakthroughs to founding your own startup, an A*STAR scholarship gives you the freedom and support to follow your passion, wherever it may take you.



Your Growth Comes First, Always.

Start your journey of transformation with A*STAR, where your personal and professional development takes the fore. Tap into a network of the most exceptional minds in the industry, and gain valuable insights from their mentorship as you partner with leading labs around the globe. More importantly, build and create connections for collaborations, as you explore new frontiers of science.

Our scholars at over 17 A*STAR research entities benefit from cross-disciplinary and multi-sectoral research opportunities, facilitating diverse career pathways in science, engineering, academia, technopreneurship, and industry. With access to state-of-the-art labs and collaboration with A*STAR's global talent pool of over 4,000 professionals from over 60 countries, scholars leverage diverse perspectives and best practices in research and development.

Through extensive outreach programmes and collaborations with international institutions, the A*STAR Graduate Academy (A*GA) actively fosters a vibrant and inclusive community, offering invaluable global exposure.

Your Scholarship Journey



Graduated with a Bachelor's or Master's degree

I want to further my research interests

Study at a top overseas university

- National Science Scholarship (Masters)
- National Science Scholarship (PhD)

Study at a Singapore autonomous university

- A*STAR Graduate Scholarship
- A*STAR Computing & Information Science Scholarship

Apply for an A*STAR scholarship for graduate studies → Excel in the interviews → Scholarship awarded!

Vista II Programme* At the start of research attachment

1-year research attachment at an A*STAR research institute

Vista II Programme* Before graduate studies

Graduate Studies

Pursue my interest in R&D

- National Science Scholarship (Masters)
- National Science Scholarship (PhD)
- A*STAR Graduate Scholarship
- A*STAR Computing & Information Science Scholarship

I want to further my passion for research

Apply for the A*STAR International Fellowship → Excel in the interviews → Scholarship awarded!

Overseas visits from A*STAR Senior Management & Senior Research Leaders

Postdoc Fellowship

Pursue postdoc training at a top overseas laboratory

Expand exposure & build network

- **Independent postdoc fellowship** (Not funded by A*STAR)
- **A*STAR International Fellowship**

Career Pathways

Vista III Programme* Work in A*STAR

Scholars can progress to pursue **diverse career pathways.** In addition to research, these could be in the public sector, industry sector and academia, to create impact and contribute to the Singapore economy.

Vista Programme*

A*STAR's developmental programme series is designed to support scholars at key milestones during their scholarship journey. These sessions offer engagement with A*STAR leadership, guidance on career and academic matters, and peer networking opportunities — helping you familiarise yourself with A*STAR's ecosystem, better navigate your studies, and sharpen your hard and soft skills.



Thomas Kwok
National Science Scholarship (PhD) Recipient, 2018

Navigating Your Professional Journey



Career progression isn't always linear. Here's a combination of various pathways for you to choose from.

What's next?

I'd like to **pursue a career in research**

I'd like to **explore beyond research**

I'd like to **pursue a career in academia**



Joint Appointment with A*STAR & an Autonomous University

A*STAR Research Institutes

Principal Investigator
Senior Scientist | Clinician Scientist
Early Career Researcher
Planning Director for Biomedical Research Council/Science & Engineering Research Council

Industry

Chief Scientific Officer
Chief Innovation Officer
Tech Consultant | R&D Director
Tech & Manufacturing Director
Research & Lab Director
Product Life Cycle Manager
Founder/Co-Founder Start-up

Public Sector (Other Public Agencies)

Strategic Planning Director
Policy & Planning Director
Data Analyst | Capability & Organisation Development Manager

University

Professor | Assistant Professor
Associate Professor



Note: Designations serve as a guide only. Actual positions and job titles may vary depending on the industry or organisation.

Empowering Our Scientific Leaders of Tomorrow

With our graduate scholarships, we have paved various pathways for our scholars to explore diverse career opportunities, both locally and abroad.

Local Scholarships

A*STAR Graduate Scholarship (AGS)

Innovate. Collaborate. Create Impact with A*STAR.

The **A*STAR Graduate Scholarship (AGS)** supports your PhD and EngD studies at an autonomous university in Singapore for up to four years, allowing you to gain exposure to industry-oriented and user-inspired R&D projects. With an opportunity for up to 12 months of overseas attachment, expand your horizons and explore multiple pathways globally.

A*STAR Computing & Information Science (ACIS) Scholarship

Crack the Code of Innovation

With an aim to nurture top talents who wish to pursue a PhD in Computing and Information Science (CIS) disciplines, the **A*STAR Computing & Information Science (ACIS) Scholarship** opens the gateway to exciting careers. Scholars in the programme will be exposed to research on real-world issues across the whole spectrum of computing science, from deep learning for healthcare, data analytics for improved machine learning, to modelling and simulation for advanced applications.



Here's Where You Can Go!

You can consider these autonomous universities in Singapore

NUS National University of Singapore

NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

SMU SINGAPORE MANAGEMENT UNIVERSITY

SUTD SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN

SIT SINGAPORE INSTITUTE OF TECHNOLOGY

Putting You On Track for Success

Overseas Scholarships

National Science Scholarship (Masters)

Master Research. Fast-track Your Career.

The **National Science Scholarship (Masters)** is designed to help meet accelerated demand in emerging areas of research where a PhD is not required. If you're an undergraduate with a passion to pursue a career in the scientific and technological field, this is the right path for you. Be a part of a prestigious overseas university and cultivate your research skills to make your impact on science.

National Science Scholarship (PhD)

Global Labs. Global Impact.

The **National Science Scholarship (PhD)** lets you explore various pathways for development from Biomedical Sciences, Physical Sciences, Computer and Information Science, or Engineering. Gain valuable experience and become a catalyst for change in the field of research.

Here's Where You Can Go!

We like our scholars to come from diverse backgrounds, you can consider these universities too



Note: List of universities on this page are not exhaustive.

Graduate Scholarships At a Glance

	Study Overseas		Study Locally	
Location				
Scholarship Programme	National Science Scholarship (Masters)	National Science Scholarship (PhD)	A*STAR Graduate Scholarship (AGS)	A*STAR Computing & Information Science (ACIS) Scholarship
Study Sponsorship	Masters Studies	PhD Studies	PhD or EngD Studies	PhD Studies
Funding Period	2 years	Up to 6 years*	4 years	
Eligibility	Singaporeans	Singaporeans, and other nationals intending to take up Singapore citizenship†	Singaporeans, and other nationals who have completed or are on track to complete a degree at an autonomous university in Singapore	
Benefits All rates/allowances are subject to adjustments by A*STAR.	• Full tuition fees • Monthly overseas living allowance • Annual return airfare • Conference allowance • Thesis allowance • Computer allowance • Settling-in allowance	• Full tuition fees • Monthly sustenance allowance • Monthly overseas living allowance • Annual return airfare • Conference allowance • Thesis allowance • Computer allowance • Settling-in allowance • Warm clothing allowance • Language programme fees‡ (for scholars studying in countries where English is not the official language)	• Full tuition fees • Book allowance • Computer allowance • Conference allowance • Thesis allowance • Support for up to 12 months of overseas attachment	
Bond	2 years	5 years NSS (PhD) scholars who complete their PhD in a country where English is not the official language would serve a 4-year bond instead.	• Singaporeans & PRs: No bond • Other nationals: 3-year service in Singapore-based companies	
Courses Applicable§	• Computing and Information Sciences • Food Technology and Research, Nutrition • Microelectronics • Quantum Technology	• Biomedical Sciences • Computing and Information Sciences • Engineering and Technology • Physical Sciences	• Biomedical Sciences • Computing and Information Sciences • Engineering and Technology • Physical Sciences	• Computing and Information Sciences

Note:

* NSS (PhD) scholars may receive up to 6 years of funding. This is provided if a Master's degree is a pre-requisite for entry into your desired PhD programme such as in the European Union; and the Master's university is approved by A*STAR Graduate Academy.

† Non-Singaporeans are required to have obtained minimally Singapore Permanent Residence prior to the commencement of the studies.

‡ For scholars studying in countries where English is not the official language, there will be funding support for language programmes up to the proficiency level required by universities.

§ Applicants are welcome to apply if your field of interest is not listed above, and A*STAR will approve different research niches on a case-by-case basis.

A*STAR Research Focus

Advanced Materials & Biomanufacturing | Allogenic Cell Therapy | Artificial Intelligence | Digitalisation & Connectivity
Food & Nutrition | Human Potential | Microelectronics | Nucleic Acids Therapeutics | PharmBio
Precision Health & Biodata | Quantum Technologies | Smart & Sustainable Manufacturing | Sustainability & Energy

Eligibility for Overseas Studies

National Science Scholarship (Masters)

- Singaporeans.
- Have obtained or are on track to obtain at least a 2nd Upper Class Honours degree or equivalent in relevant disciplines.
- Applicants who are in the last semester of their final year of undergraduate studies may apply. Applicants will only be awarded the scholarship if they obtain at least a 2nd Upper Class Honours degree or equivalent.
- Have applied or will be applying for a Master of Research (or equivalent) programme in selected research areas at a top overseas global university.

National Science Scholarship (PhD)

- Singaporeans and other nationals intending to take up Singapore citizenship. Non-Singaporeans are required to have obtained minimally Singapore Permanent Residence prior to commencement of studies.
- Have attained a good class of Honours degree or equivalent in relevant disciplines.
- Applicants who are in the last semester of their final year of undergraduate studies may apply. Applicants will only be awarded the scholarship if they obtain a Bachelor's degree or equivalent results that meet A*STAR's requirements.
- Have applied or will be applying for a PhD programme at a top overseas global university.

Mid-Term Scholarship

Mid-term scholars for the NSS (Masters), NSS (PhD), AGS and ACIS Scholarship will receive the same level of support as the full-term scholars from the point of the award. This includes retroactively covering all tuition fees and mandatory fees from Year 1 of study onwards.

Eligibility for Local Studies

A*STAR Graduate Scholarship (AGS)

- Singaporeans and other nationals.
- Non-Singaporeans must have completed or are on track to complete a degree at an autonomous university in Singapore.
- Have obtained or are on track to obtain at least a 2nd Upper Class Honours degree or equivalent in a relevant discipline.
- Applicants who are in the last semester of their final year of undergraduate studies may apply. Applicants will only be awarded the scholarship if they obtain at least a 2nd Upper Class Honours degree or equivalent results that meet A*STAR's requirements.
- Satisfy the criteria for and gain admission to a PhD programme at an autonomous university in Singapore.

A*STAR Computing & Information Science (ACIS) Scholarship

- Singaporeans and other nationals.
- Non-Singaporeans must have completed or are on track to complete a degree at an autonomous university in Singapore.
- Have obtained or are on track to obtain at least a 2nd Upper Class Honours degree or equivalent in a relevant discipline.
- Applicants who are in the last semester of their final year of undergraduate studies may apply. Applicants will only be awarded the scholarship if they obtain at least a 2nd Upper Class Honours degree or equivalent results that meet A*STAR's requirements.
- Satisfy criteria for and seek admission to PhD programme at an autonomous university in Singapore.
- Have a strong interest in pursuing a career in Computing and Information Sciences research in industry R&D labs, technology enterprises, spin-off companies, and/or academia.

Note: The above eligibility criteria are not exhaustive. A*STAR may include additional selection criteria based on prevailing scholarship policies. These policies may be amended from time to time without notice.

Meet Dr Jonathan Low

Senior Principal Scientist, and
Assistant Chief Executive Officer
Advanced Remanufacturing
and Technology Centre (ARTC)
A*STAR Graduate Scholarship (AGS)
Recipient, 2009



2024 – Present
Assistant Chief Executive Officer

As part of the job rotation to gain exposure and have a more holistic understanding of ARTC's business, Dr Low was appointed the Assistant Chief Executive Officer with Business Development under his portfolio.

2023 – 2024
R&D Coordinating Director

Transferred to ARTC, Dr Low was appointed as the R&D Coordinating Director. He was responsible for all the R&D activities in ARTC and for charting the strategic R&D direction for all the R&D divisions consisting of over 200 Scientists and Research Engineers.

2018 – 2022
Division Director

In 2018, Dr Low was appointed as the Team Lead of the Sustainability & Life Cycle Management team at SIMTech. As the Division Director in 2019, he has since built a team of over 40 Scientists and Research Engineers.

2010 – 2014
PhD

Supported by the A*STAR Graduate Scholarship (AGS), he embarked on his PhD studies at National University of Singapore (NUS), focusing on Life Cycle Engineering, and leveraged his expertise in Life Cycle Assessment (LCA) and Life Cycle Costing (LCC) to develop a model for designing and planning circular economic systems.

2008 – 2010
Research Engineer

Dr Low joined the Life Cycle Engineering team at Singapore Institute of Manufacturing Technology (SIMTech) as a Research Engineer, where he worked with companies to solve their sustainability challenges. He was also involved in the setting up of the Sustainable Manufacturing Centre (SMC) at SIMTech.

Awards

2019
Enterprise Singapore Commendation Award

2011
Ministry of Trade and Industry (MTI) Awards

A*STAR Borderless Awards

Find out more about Dr Jonathan Low

How to Apply

1

• Apply for a top university*

• Apply for the A*STAR scholarship while waiting for the university admission results.

*You may apply for university admission concurrently with your scholarship application or in the next admission period. University subject to A*STAR's approval.

2

Shortlisted applicants will be invited for two rounds of interviews.

3

Successful applicants will be given an offer, dependent on the university's admission results and A*STAR's approval.

4

Awarded individuals will be given two weeks to accept the scholarship.

Key Dates

Scholarship Programme	National Science Scholarship (Masters) / National Science Scholarship (PhD)		A*STAR Graduate Scholarship (AGS) / A*STAR Computing & Information Science (ACIS) Scholarship	
Application Cycle	1st Cycle	2nd Cycle	1st Cycle	2nd Cycle
Application Period	1 January to 1 April	1 July to 1 October	1 November to 1 February	1 May to 1 August
Application Outcome	From Mid-June	From December	From Mid-April	From Mid-November

Start Your Application Journey at
for.edu.sg/scholarships-apply



Meet Dr Ang Hwee Ching

Deputy CEO, Experimental Drug Development Centre (EDDC)
National Science Scholarship (PhD) Recipient, 2003



2003 – 2006
PhD
Dr Ang pursued her PhD studies at University of Cambridge, MRC Centre for Protein Engineering via the National Science Scholarship (PhD).

2006 – 2008
Research Fellow
After her PhD studies, she joined the Institute of Molecular & Cell Biology (IMCB), initially as a Research Fellow in the Translational Research Lab of Professor Sir David Lane, and then as a start-up team member of a small biotech-like organisation Experimental Therapeutics Centre (ETC).

2008 – 2010
Business Development Manager
She joined Eli Lilly & Co., taking on the role of Manager for Business Development, Project Management and Alliance Management at the Lilly Singapore Centre For Drug Discovery (LSCDD).

2011 – 2017
Head of Science Hub Singapore Region
Moved to Bayer Pharma and was promoted to Head of Science Hub Singapore Region in March 2013. Later, as a member of the Global External Innovation & Alliances management team, she was responsible for driving innovation activities in Asia/Pacific (excluding China and Japan). She coordinated internal and external efforts for the successful, on-time start of Bayer's first Asia-only First-in-Human (FiH) study and for growing the level of FiH activities in Asia.

2019 – 2021
Director of Business Development
Joined the EDDC as Director of Business Development (BD) and Alliance Management (AM). As Director, she led the BD & AM team to support scientific teams to develop and steer drug discovery and development programs towards successful commercial outcomes.

2021 – Present
Deputy CEO
Dr Ang was promoted to Deputy CEO in October 2021. As a national platform, EDDC has translated multiple drugs and a vaccine into the clinic, with EDDC scientists as inventors/co-inventors. Since 2019, EDDC has signed several licensing deals, created a spinoff, and set up multiple industry collaborations. In 2023, the team brought forward the first made-in-Singapore antibody drug conjugate into the clinic.

Awards

2022
National Awards (COVID-19) Resilience Medal

Find out more about Dr Ang Hwee Ching

Agency for Science, Technology and Research
SINGAPORE

The A*STAR Story

The Agency for Science, Technology and Research (A*STAR) is Singapore's lead public sector R&D agency.

Through open innovation, we collaborate with our partners in both the public and private sectors to benefit the economy and society. As a Science and Technology Organisation, A*STAR bridges the gap between academia and industry. Our research creates economic growth and jobs for Singapore, and enhances lives by improving societal outcomes in healthcare, urban living, and sustainability. A*STAR plays a key role in nurturing scientific talent and leaders for the wider research community and industry. A*STAR's R&D activities span biomedical sciences to physical sciences and engineering, with research entities primarily located in Biopolis and Fusionopolis.

For ongoing news, visit www.a-star.edu.sg.

Have a question?
Drop us an email at
Student_Services@hq.a-star.edu.sg

Apply for the scholarship

Information is accurate as of 1 July 2024.