

TALENT DEVELOPMENT PROGRAMME 2025

Embrace Our Future - Rising Stars in Transformation

Scan to apply



Summer Microbiome Institute
(Secondary Student)



Microbial Health Ambassador
(University Student)

What is it about?



HATCH x MagiC Talent Development Programme 2025 aims to nurture **local youth** by providing hands-on training and mentorship in microbiome research and life sciences. We are dedicated to inspiring a new generation of leaders who will shape the future of **industry, academia, and research (產學研)** in Hong Kong.

Over 40 secondary and undergraduate students will immerse themselves in various courses and activities related to **biomedical sciences, biotechnology, and community outreach**.

Who is it for?



- **Local secondary school students and local undergraduate students.**
- We welcome students in any disciplines, who are **interested in Health Science, Biotechnology, Healthcare/Policy and Social Science.**
- Passionate about biomedical sciences, biotechnology, and community engagement.
- Committed to personal growth, problem-solving, and making a positive impact



What activities will be available?



Throughout “HATCH x MagiC Talent Development Programme 2025”, students will experience expert-led workshops, collaborative projects, and opportunities to conduct research. All activities are designed to enhance their understanding of the field and develop practical skills.



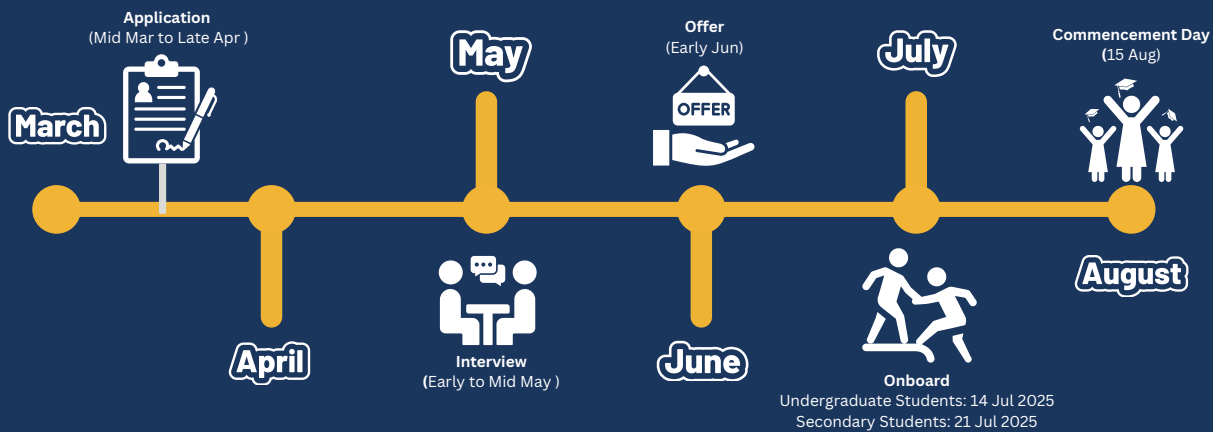
University Students:
4 weeks (14 Jul - 8 Aug)



Secondary Students:
3 weeks (21 Jul - 8 Aug)

Our programme schedule will consist of **8 hours per day** over **4.5 days each week**, with the main venue at Hong Kong Science Park.

What are the key dates?



What are the Programme Content?



Autism Spectrum Disorder (ASD) will be the main topic throughout the whole talent development programme.



Phase 1

RESEARCH 研

FOUNDATIONS OF SCIENTIFIC EXCELLENCE

- **Lab Mastery:** Master laboratory safety protocols, equipment handling, and hygiene standards in world-class animal facilities.
- **Hands-On Bioscience:** Conduct experiments, including dissecting lab mouse brains to study neural structures and state-of-the-art research methodologies.
- **STEAM Creativity:** Express scientific concepts through agar art workshops, blending microbiology with artistic innovation.

Phase 2

ACADEMIA 學

MICROBIOME SCIENCE & HEALTH INNOVATION

- Explore gut-brain axis, microbiome's role in early-life development, and its link to diet and diseases.
- Learn about Fecal Microbiota Transplantation (FMT) and its clinical applications.
- Discover how machine learning revolutionizes microbiome data analysis and predictive modelling.

Phase 3

INDUSTRY 產

FROM LAB TO INDUSTRY: TRANSLATIONAL RESEARCH

- **Clinical Trials:** Understand their critical role in transforming research into therapies.
- **Industry Pathways:** Dive into case studies on commercializing microbiome research in Hong Kong.
- **Leadership Insights:** Gain firsthand knowledge from industry pioneers driving biotech innovation.

Phase 4

INTERGRATION

PROFESSIONAL & COLLABORATIVE SKILLS

- **Team Building:** Develop leadership and teamwork through collaborative projects.
- **Marketing Basics:** Learn to communicate scientific ideas effectively to diverse audiences.
- **NGO Engagement:** Participate in workshops and site visits to explore science's role in social impact.