

## Engaging in Insightful Research



### Dorothy TSANG

BSc&MRes student (Major in Molecular Biology & Biotechnology (Intensive))  
Summer Research Fellowship (SRF) participant in the School of Biological Sciences  
Overseas Research Fellowship (ORF) participant at the University of Copenhagen

*During my Summer Research Fellowship, I explored how probiotic therapy can fight liver cancer by studying its effects in mouse models. It was incredible to contribute to developing cutting-edge treatments. Later, as part of my Overseas Research Fellowship in Denmark, I worked on engineering aquaporin—a special protein that transports water—to recycle organic waste from sewage. We experimented with mutations to see if it could transport amino acids and carbohydrates, potentially turning it into a revolutionary waste-recycling tool. These hands-on experiences sparked my passion for research—I love designing experiments and uncovering new insights. They've also cemented my dream of pursuing a career in the lab, where I can keep discovering and innovating.*



### Morris CHAN

BSc alumnus (Major in Geology(Intensive))  
Overseas Research Fellowship (ORF) participant at The University of British Columbia

*The Overseas Research Fellowship Scheme was an incredibly satisfying, enjoyable, and enlightening experience. I had the chance to work with renowned professors in worldwide universities and witnessed the research workflow firsthand. Taking on responsibility for a mini academic research project, I was involved in every stage of work, from preparation to field studies and experiments, then to data interpretations and write-ups. This experience has greatly enriched my understanding of what it is like to work in academia. This ORF Scheme is a precious experiential learning opportunity that I would highly recommend to all science students. It is not merely a research project, but a remarkable journey where you can enrich your personal experiences and discover your own potential.*

## Attendance in International Scientific Conference



### Peter WONG

BSc alumnus (Major in Biochemistry)  
Participant of an International Influenza Conference in Australia

*Participating in this conference broadened my perspective on respiratory virus research. The event featured seminars and presentations on a range of topics, including zoonotic influenza virus spillover, vaccine development, and antiviral efficacy. Beyond the main conference, I also attended the Mini-School of Influenza, a lecture-based programme covering foundational concepts in respiratory virology, public health, epidemiology, surveillance, and research-driven vaccine development. These sessions complemented my studies at HKU and provided an advanced extension of the knowledge I have gained.*

## Eye-opening Visiting Study



### Tim SUI

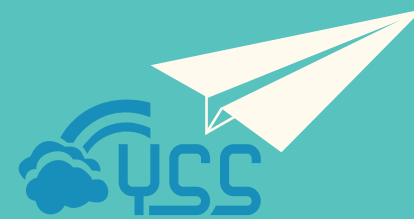
BSc alumnus (major in Biological Sciences, minor in Mathematics)  
Visiting student at Yale University

*As a member of the Faculty's Young Scientist Scheme, I got the privilege and sponsorship to go to Yale University for visiting study. At Yale, I experienced their graduation ceremony, attended some inspiring seminars, and even got to hear Nobel Laureate Svante Paabo share his insights. In addition, I took a research internship in Professor Gendron's lab, where I applied mathematical modelling to study plant photoperiodism, which enhanced my systems biology skills and further fuelled my goals.*

## How to join YSS:

JUPAS students admitted to 6901 Bachelor of Science programme with **a total score of 35 or above** in their best 5 HKDSE subjects (Category A subjects/M1/M2), and those admitted to **6688 Science Master Class programme** are automatically accepted to YSS. No interview is required.

**Selected Non-JUPAS applicants** will be invited to enrol in YSS. No application is necessary.



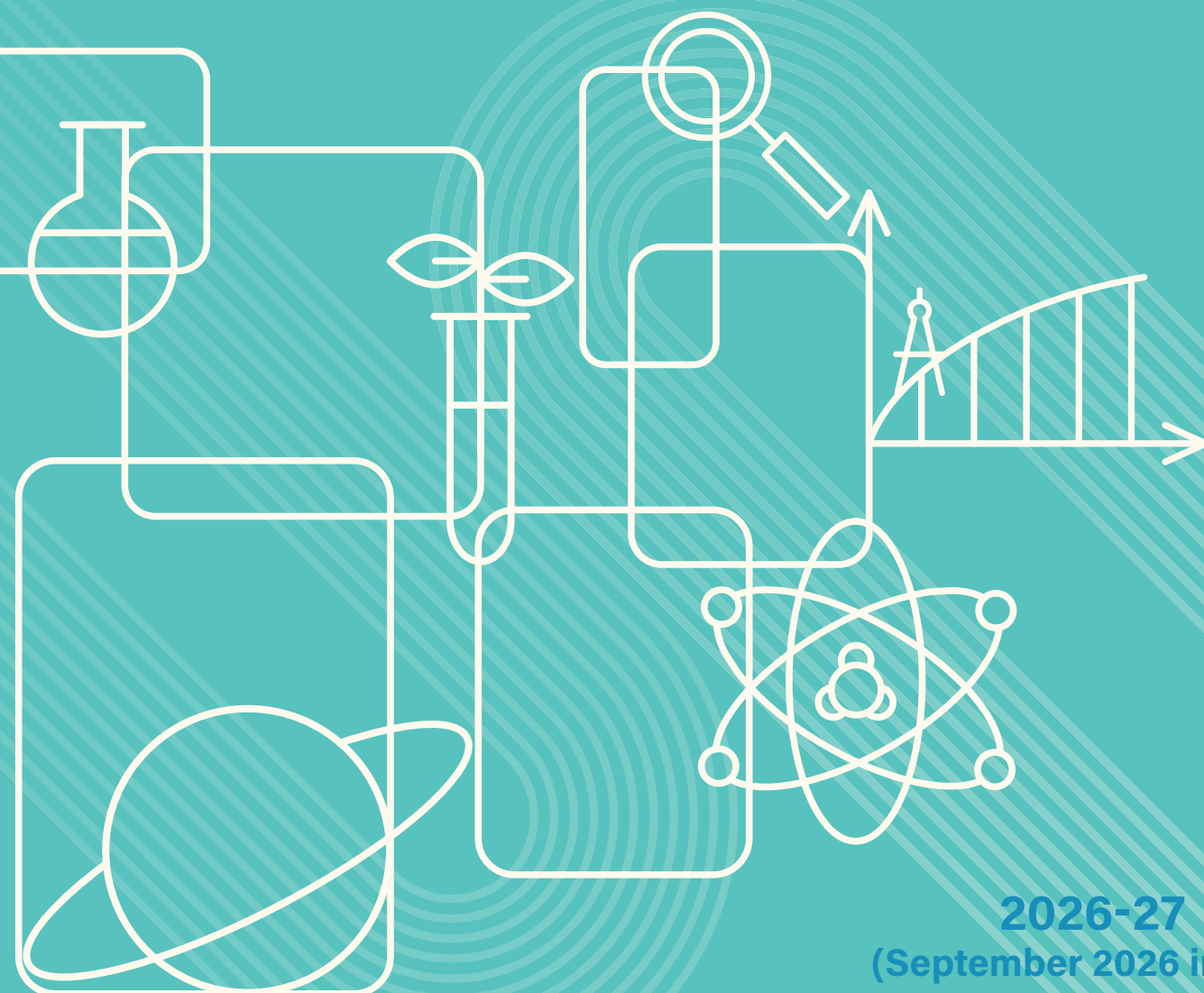
# YOUNG SCIENTIST SCHEME

for students in the **6688** Bachelor of Science & Master of Research (Science Master Class)  
and outstanding students in the **6901** Bachelor of Science



**SHKU**  
**Science**

FACULTY OF SCIENCE  
THE UNIVERSITY OF HONG KONG  
香港大學理學院



**2026-27**  
**(September 2026 intake)**

# What is Young Scientist Scheme (YSS) all about?

As a strong and research-oriented Faculty, the Faculty of Science is committed to providing our students with the best science education and incubating future scientists. YSS provides ample early research experiences for students in the 6688 Science Master Class Programme and outstanding students in the 6901 BSc Programme.

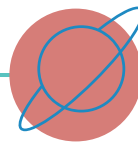
## A wide spectrum of scientific research areas:



Biological Sciences



Chemistry



Earth & Planetary Sciences



Mathematics



Physics

## Students in YSS are guaranteed with:



Enrolment in our flagship **Summer Research Fellowship (SRF) Scheme** to conduct research under the supervision of our professors in the first summer

A further **SRF** or **Overseas Research Fellowship (ORF) Scheme** in a foreign institution in a subsequent summer

**International exchange, visiting or summer study**

Attendance in **an international scientific conference** on frontier scientific research



Individual guidance from a **research mentor** from the start of the undergraduate study

Enrolment in our **Frontiers of Science Honours Seminar** to learn how our award-winning professors solve their research problems

An **entrance scholarship** ranging from HKD 10,000 to HKD 70,000

## Examples of institutions for Overseas Research Fellowship

### North America

- Columbia University
- Johns Hopkins University
- The University of British Columbia
- University of California, Berkeley
- University of California, Los Angeles
- University of Toronto
- Yale School of Medicine

### Europe

- CERN
- Imperial College London
- University of Cambridge

### Asia

- Chinese Academy of Sciences
- Fudan University
- Kyoto University
- Peking University

## What our YSS research mentor says

The YSS provides a great opportunity for undergraduate students to have hands-on experience and training in research. Previous YSS students have enjoyed working in my laboratory on projects related to luminescence and molecular functional materials. The YSS will enable students to have first-hand and early experience in getting to know what frontier research is all about, which will be extremely rewarding to them for the years to come.



**Professor Vivian W W YAM**

Vice-President and Pro-Vice-Chancellor (Global Innovation Centre) (Interim)  
Philip Wong Wilson Wong Professor in Chemistry and Energy  
Faculty of Science, HKU



### YEAR 1

- ◆ Individual guidance from a Research Mentor
- ◆ Summer Research Fellowship



### YEAR 2

- ◆ 2<sup>nd</sup> Summer Research Fellowship or Overseas Research Fellowship



### YEAR 3

- ◆ International Exchange, Visiting or Summer Study



### YEAR 4

- ◆ Final Year Project
- ◆ International Conference
- ◆ Frontiers of Science Honours Seminar