



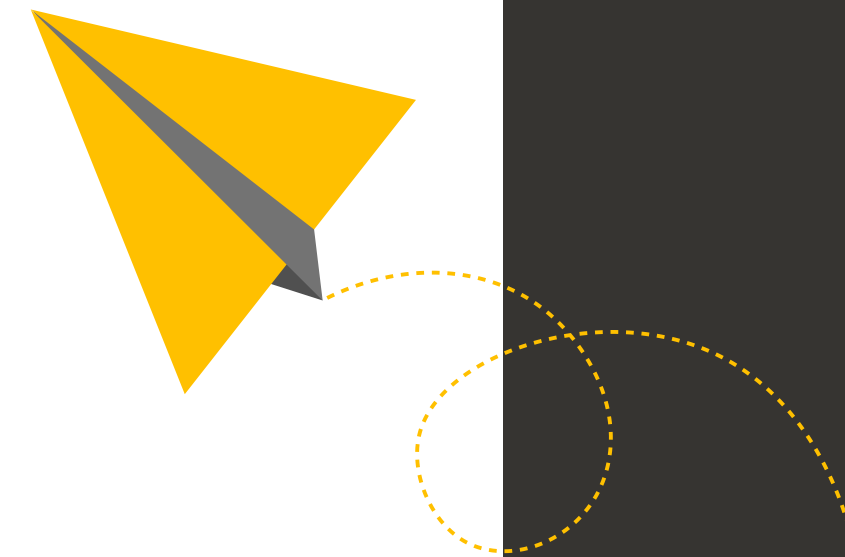
Department of  
Biomedical Engineering  

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The Chinese University of Hong Kong

# **BME Overseas Summer Research Exchange Programme 2025–26**

**Information Q&A Session**  
**12 December 2025 (Fri)**



**Prof CHANG Hing Chiu, Charles**  
**BME Exchange Programme Coordinator**

# **AGENDA**

**Introduction of the  
Application Process**

**Scholarships**

**Students Sharing**

**Q & A**



# **BME Overseas Summer Research Exchange Programme 2025-26**

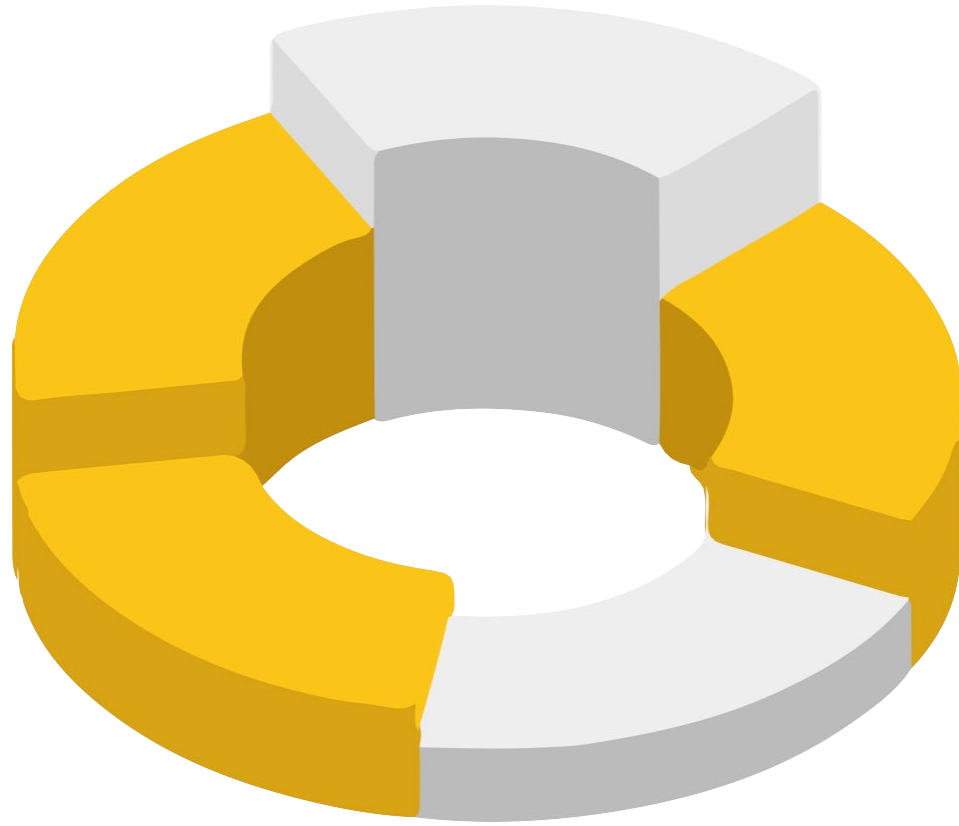
- Hosted by **BME Department**
- Hosts List will vary from year to year
- Duration: **at least 8-10 weeks**
- Students are encouraged to apply for CUHK travel scholarships  
**Charles Kao Overseas Summer Research Scholarships**
- Other scholarships (offered by the University and College)

# BME Overseas Summer Research Exchange Programme 2025-26

## Potential Host List (For BME Student)

| Institution                                                             | Topics / Areas of Research Project                                                             |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| University of Sydney, Australia                                         | Biophotonics and MechanoBioengineering                                                         |
| Mohamed bin Zayed University of Artificial Intelligence, Abu Dhabi, UAE | Agentic medical AI, medical foundation models, and embodied medical AI                         |
| McGill University, Canada                                               | Biomaterials and biointerfaces                                                                 |
| Western University, Canada                                              | Biomaterials, Tissue Engineering, and Regenerative Medicine                                    |
| Technische Universität Dresden (TU Dresden)                             | Electronic Olfaction Biosensors                                                                |
| New Zealand College of Chiropractic                                     | Bio Signal Processing ( EEG ,EMG) Biomechanics (3D motion capture system, IMU's) Data analysis |
| National Tsing Hua University, Taiwan                                   | 1. Magnetic resonance imaging<br>2. Deep Learning and Machine Learning in Biomedical Imaging   |

# BME Overseas Summer Research Exchange Programme 2025–26



## Number and Value of Awards

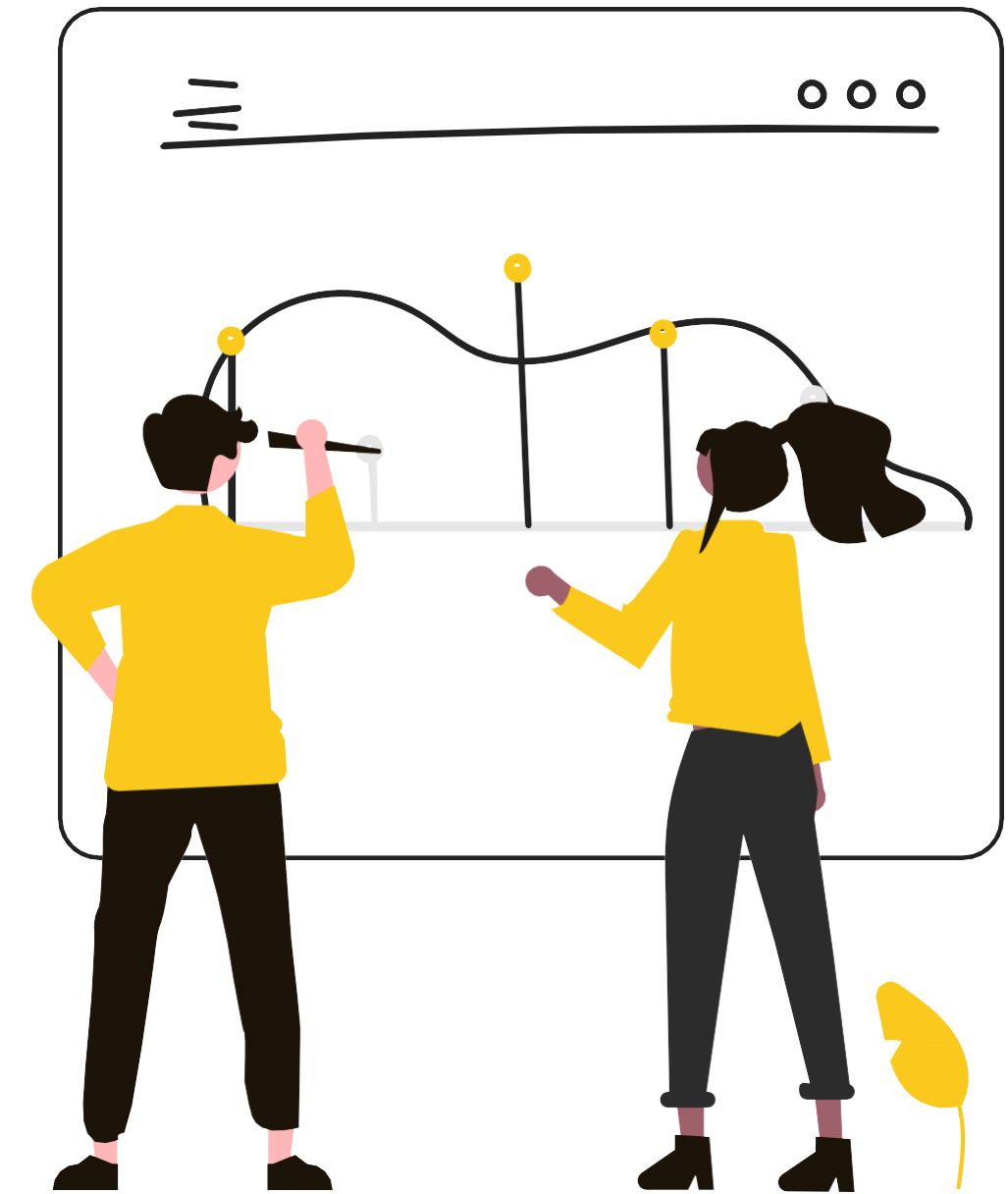
Up to three awards of **HK\$20,000** each

(The total amount may vary depending on any scholarships received.)

# BME Overseas Summer Research Exchange Programme 2025–26

## Eligibility & Criteria

- For full-time **Year 3 undergraduate students** or
- For full-time **Year 2 undergraduate** students (Advanced standing entry) and
- Having strong academic **performance** (with a **cumulative GPA of 3.0** or higher) or
- Previous research experience (e.g. completing our engineering summer research internships on campus)

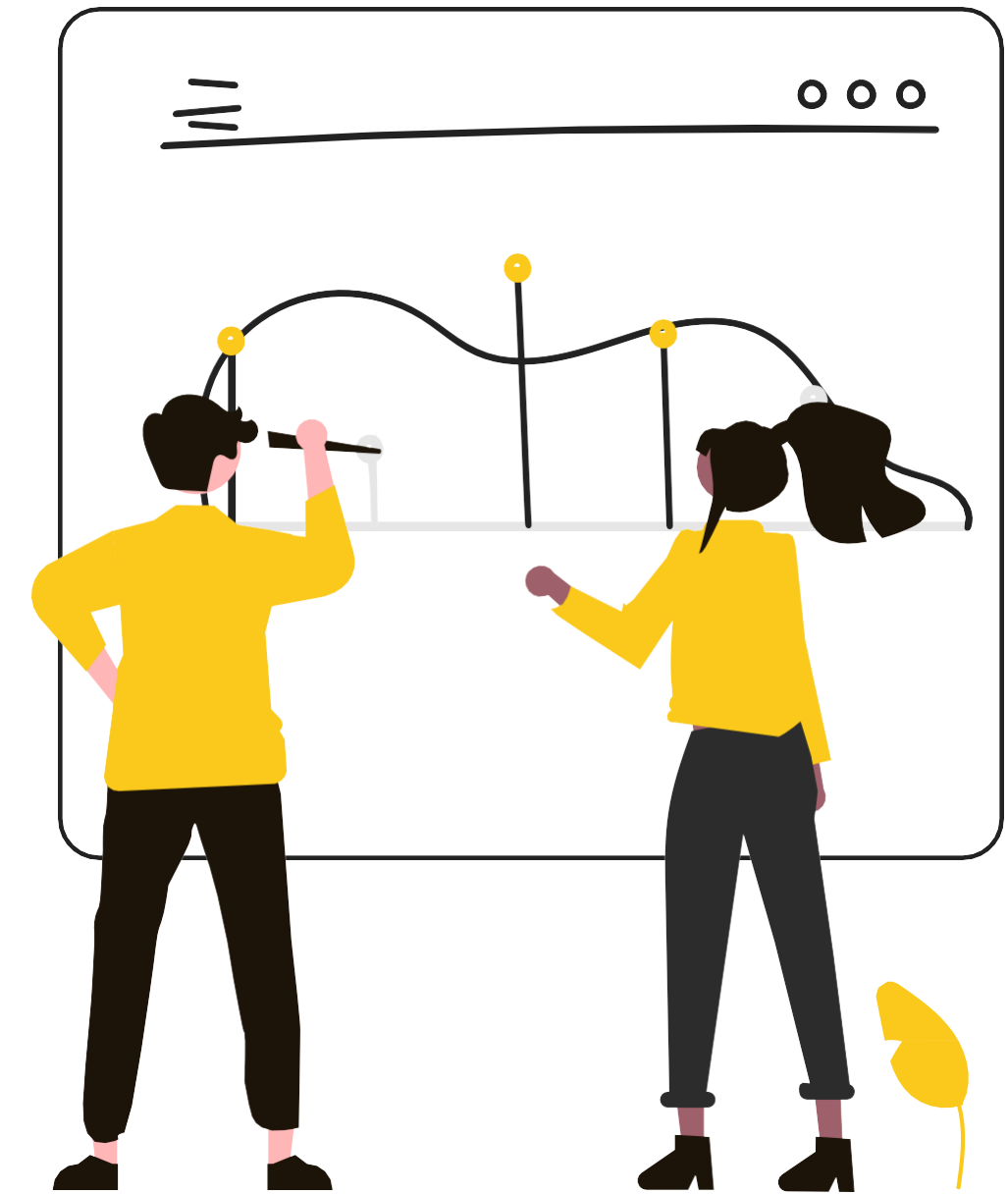




# **BME Overseas Summer Research Exchange Programme 2025–26**

## **Supporting Documents**

- **A completed application form**
- **Latest transcript**
- **Updated CV**
- **A personal statement in English of 200 words that elaborates on motivation/objectives for joining this Exchange Programme**
- **A preferred project (up to 3)**
- **The results of the English Test (optional depending on the requirements of the hosting institute)**



# BME Overseas Summer Research Exchange Programme 2025-26

## Important Date

|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| <b>Application Deadline</b>                 | <b>By 5:00pm on 22 December 2025</b> |
| <b>Interview by the BME Panel</b>           | <b>8 – 9 January 2026</b>            |
| <b>Matching and Nomination to the Hosts</b> | <b>12 – 23 January 2026</b>          |
| <b>Interview and Decision by the Hosts</b>  | <b>24 January – 6 February 2026</b>  |
| <b>Official Notification of Acceptance</b>  | <b>By the end of February 2026</b>   |

**Late applications will not be considered**

# BME Overseas Summer Research Exchange Programme 2025–26

## After the Summer Exchange

### Submit a Summary Report

- **Hosting universities** and **countries** of the exchange took place
- **Duration** of the exchange
- **Involved project(s)** during the exchange
- **Achievements** from the exchange (e.g., **publications** or any documents to be published derived from your work and **experience** sharing)
- **Pictures/videos** taken during the exchange

# BME Overseas Summer Research Exchange Programme 2025-26

## **Plan ahead & Plan for the risk**

- Be active! Visa application & scholarship
- Plan and communicate with your academic supervisor frequently





# Sharing From Students

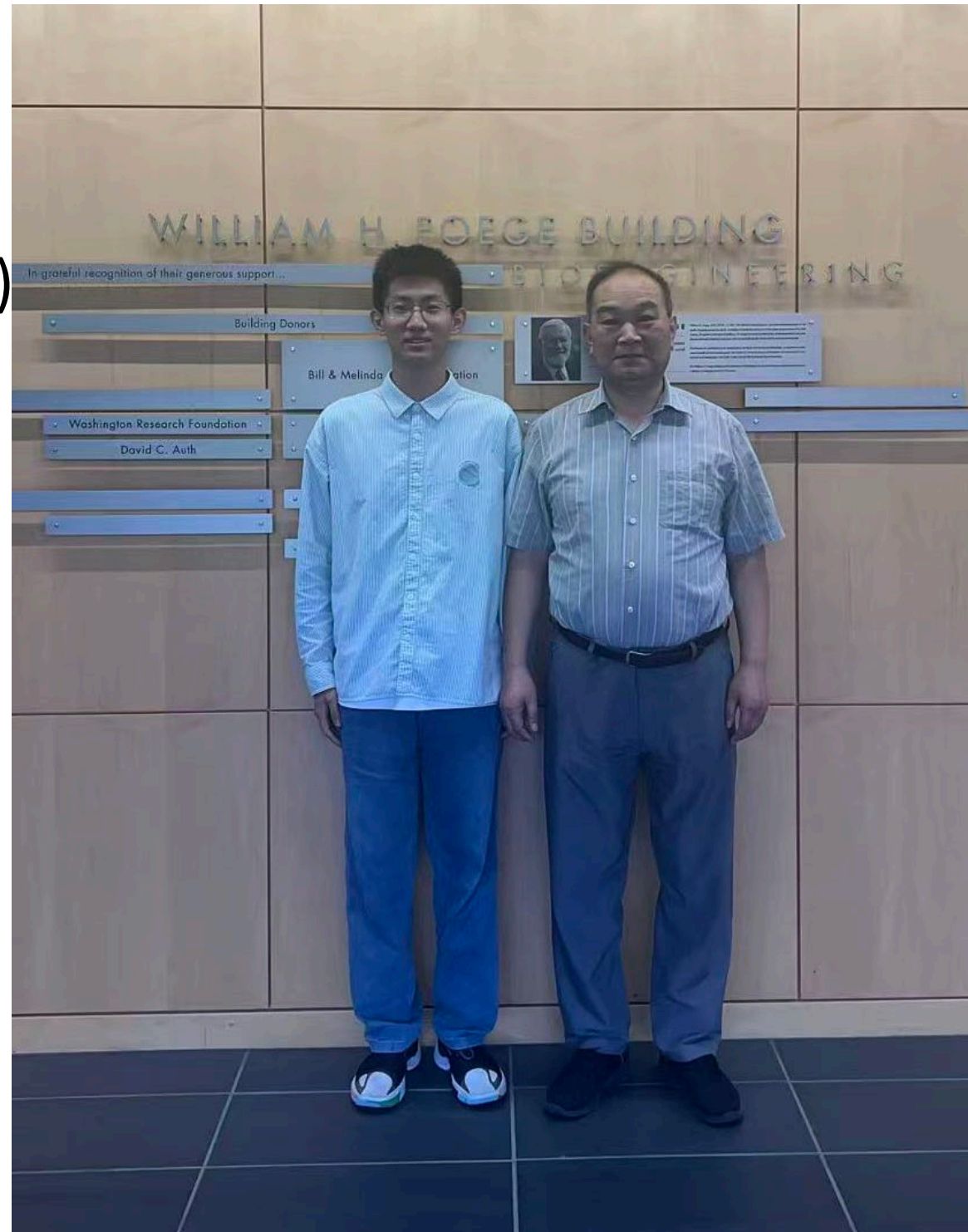
# Summer Research in New Zealand – ZHOU Wan Leng Tina



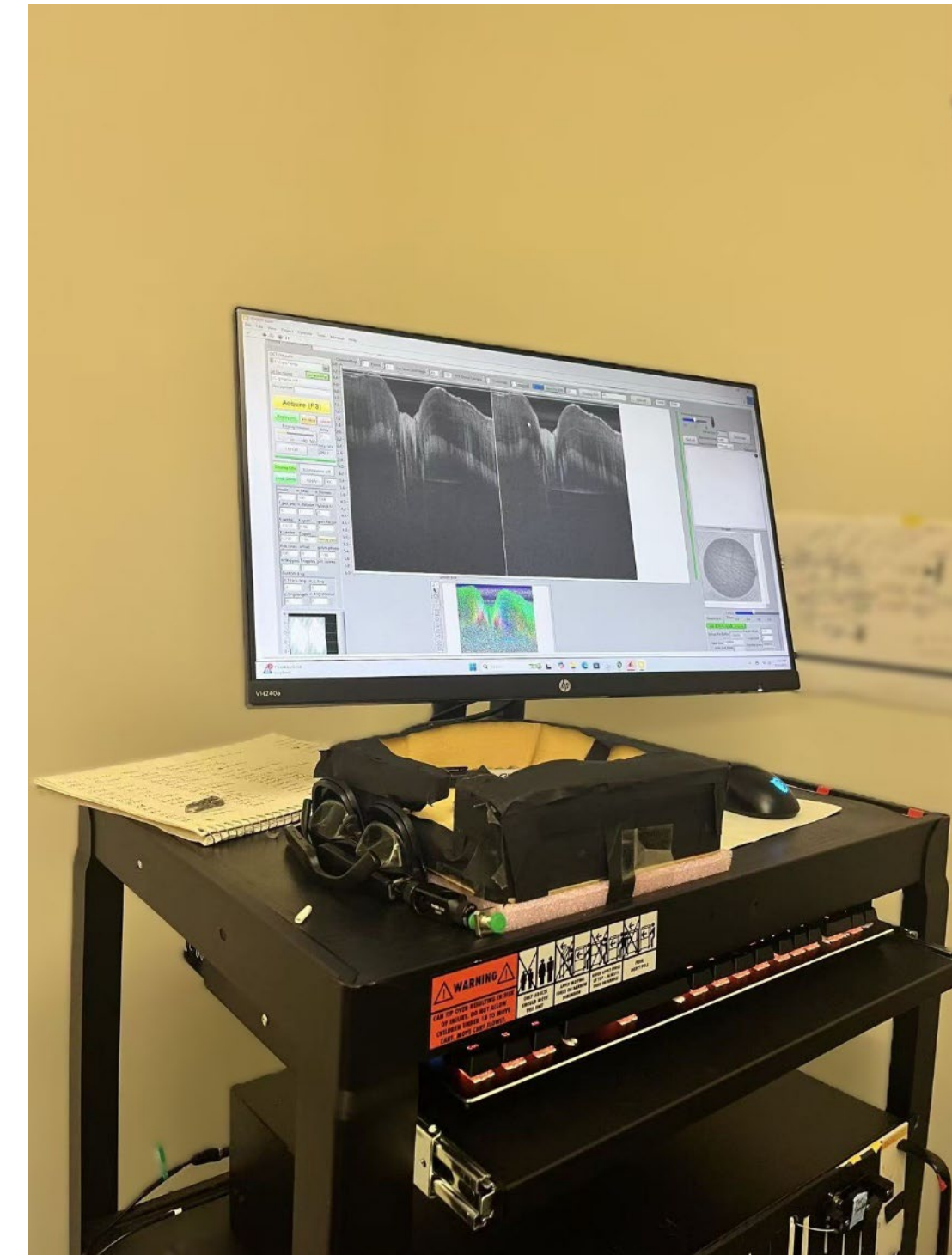


# Research Experience In University of Washington - SHANG Chenyu

During my research exchange at the University of Washington, I joined Professor Ruikang (Ricky) Wang's *Biophotonics and Imaging Laboratory (BAIL)*. Professor Wang was very supportive and encouraged me to explore my interests. I was assigned a project focusing on the use of polarization-sensitive OCT (PS-OCT) to visualize the arrangement of gingival collagen fibers. I also collaborated with a PhD student to acquire gingival data from participants of different age groups. Through this process, I not only gained valuable hands-on experience in imaging acquisition but also developed coding skills to implement customized visualization methods. These experiences greatly enhanced my capabilities in both hardware operation and software development.



Group photo with Professor Wang ( World's most cutting-edge scientists in the OCT field)

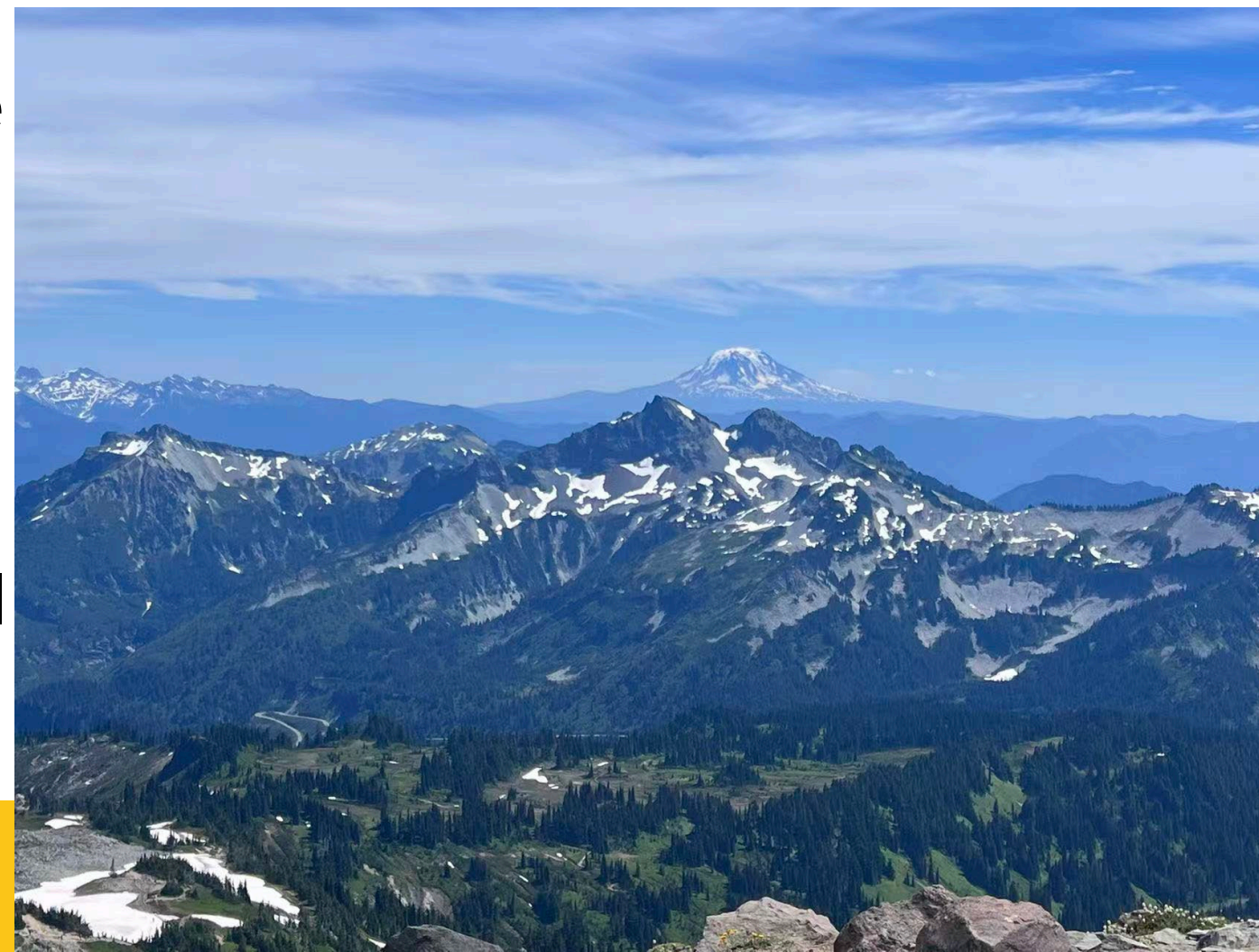


Capture gingival data using self-developed system



# Natural beauty of Seattle - SHANG Chenyu

Outside of the laboratory, I explored the natural beauty of Seattle. The city's pleasant climate and breathtaking scenery left a deep impression on me. On weekends, I joined friends to hike Mount Rainier, visit Olympic National Park, and enjoy the panoramic view of Seattle from the iconic Space Needle. These experiences not only provided a refreshing balance to my research work but also deepened my appreciation of cultural and natural diversity.





# Exchange Experience in Monash University -

LI Wai Kwan Tommy

## Memorable Highlights from My Exchange Experience



Lunch Meeting with Visiting Professors  
and Main Supervisor



Other exchange student from  
CUHK CS department



Psychology & Neural Science Conference host  
in Monash University



# Main Reflection - LI Wai Kwan Tommy

- **Genuine Passion vs. Burden**

Unlike the "burden" mindset often seen on social media in Asia, researchers at Monash are truly enthusiastic and eager about their work.

- **Superior Tech Resources**

The computational infrastructure is way better than in Hong Kong. The MASSIVE platform lets you spin up specific GPU instances in minutes, making data analysis super smooth.

- **Inspiring Lab Meetings**

Weekly meetings feature global guest speakers, offering sneak peeks into different fields and sparking new ideas you hadn't considered before.

# Main Reflection - LI Wai Kwan Tommy

My time at Monash has been awesome. The professors are incredibly patient, breaking down the research process into clear steps so I never feel stuck. But what really sets this experience apart is the difference in resources compared to home. The computational power here is way better than what we typically have in Hong Kong. They use a platform called MASSIVE that lets you spin up GPU instances in minutes, meaning my analysis runs smoothly and I'm not stuck waiting for results.

The atmosphere is also totally different. On social platforms back home, you often see people treating research like a burden or just a way to get a qualification. Here, people are actually enthusiastic about what they do. You feel that energy in the weekly lab meetings, where top researchers from around the globe share their work. It's inspiring and has pushed me to explore new areas.

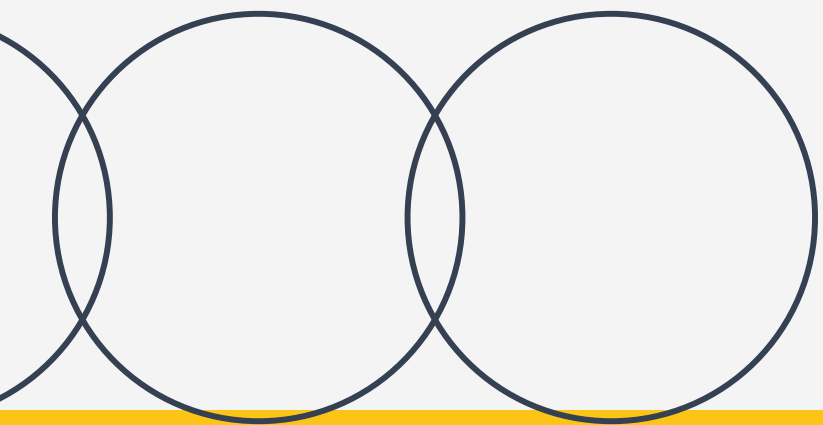
Monash also nails the work-life balance—it's a chill vibe, but everyone is self-disciplined and passionate. If you have the opportunity and interest, I highly recommend going out and taking a look for yourself. The mix of better infrastructure, hands-on mentorship, and a culture that actually loves research has made this journey incredibly fun.



# Where will your journey take you?

- LI Wai Kwan Tommy

Go explore, grow, and enjoy every step of your path abroad.





# **Q&A Session**

