

THE 5th
INTERNATIONAL CONFERENCE
ON APPLIED SCIENCES
ICAS 2026

July 3rd - 4th

National Yang Ming Chiao Tung University, Taipei City, Taiwan
Traditional Medicine Building A, 2F Conference room.
(Yang Ming Campus)

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ORGANIZER



NYCU
College of
Life Sciences



TDTU
Faculty of
Applied Sciences

SPONSOR



國立陽明交通大學 生命科學院
NYCU, College of Life Sciences



國立陽明交通大學 研究發展處
NYCU, Office of Research and Development



國家科學及技術委員會補助
生命科學研究推動中心
Life Sciences Research Promotion Center (LSRPC)



NSTC 國家科學及技術委員會
National Science and Technology Council

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National Yang Ming Chiao Tung University, Taipei City, Taiwan
Traditional Medicine Building A, 2F Conference room.
(Yang Ming Campus)

July 3rd (Fri.)

OPENING

10th Anniversary
of TDTU-NYCU Summer School

KEYNOTE SPEECH



SESSIONS

POSTER

CHEMICAL ENGINEERING

POSTER

BANQUET

July 4th (Sat.)

KEYNOTE SPEECH



SESSIONS

BIOTECHNOLOGY

POSTER AWARD

CULTURE TOUR

NATIONAL PALACE MUSEUM

Agenda

Friday, July 3rd, 2026

Venue: Traditional Medicine Building A, 2F Conference room

10:00 | Registration

10:30 | **Opening**
10th anniversary of TDTU-NYCU Summer School

Keynotes

Chairs: Prof. Shir-Ly Huang, NYCU; Dr. Pham Dinh Chuong, TDTU

11:00 | *TBA*
Prof. Muh-Hwa Yang
College of Medicine, NYCU, Taiwan

Lunch (VIP lunch by invitation)
Poster evaluation

Keynotes

Chairs: Prof. Shir-Ly Huang, NYCU; Dr. Pham Dinh Chuong, TDTU

14:00 | Translational pathway of biomimetic nanotextured titanium surfaces: bactericidal efficacy and immunomodulation
Prof. Elena P. Ivanova
RMIT University, Australia

14:30 | From Plant-Derived Precursors to Functional Materials: A Bio-Inspired Design Strategy
Assoc. Prof. Nguyen Thi Truc Linh
Faculty of Applied Sciences, TDTU, Vietnam

15:00 | **Tea Break**

Agenda

Friday, July 3rd, 2026

Venue: Traditional Medicine Building A, 2F Conference room

Chemical Engineering

Chairs: Assist Prof. Yei-Tsung Chen, NYCU; Assoc. Prof. Nguyen Thi Truc Linh, TDTU

- 15:30 | Polysaccharide-based thermochromic and photochromic hydrogels for advanced smart applications
Dr. Phan Vu Hoang Giang, TDTU
- 15:40 | *TBA*
Distinguished Prof. Ling-Huei Huang, NYKU
- 15:50 | Red mud-derived functional materials for sustainable water treatment applications
Dr. Truong Thi Be Ta, TDTU
- 16:00 | Artificial intelligence applications in Chemical analysis and Bioactivity evaluation of Mangrove Medicinal plants
Dr. Vo Thi Kim Khuyen, UMP
- 16:10 | Fabrication of ciprofloxacin-loaded PVA/chitosan nanofibers via electrospinning for wound dressing
Dr. Tran Hoai Khang, TDTU
- 16:20 | DFT Investigation of Radical Scavenging Mechanisms of 5-Fluorouracil Against Multiple Free Radicals
Dr. Trinh Thien Thuat, TDTU
- 16:30 | Essential oil extraction and its application in the synthesis of some semisynthetic compounds
Dr. Tran Boi Chau, TDTU
- 16:40 | Q & A

17:00 | Poster evaluation

17:40 | Departure to Su Hung Restaurant 365

18:00 | Dinner
at SU HUNG RESTAURANT 365
2 F., No. 365, Mingde Rd., Beitou Dist., Taipei City 112303, Taiwan

Agenda

Satu, July 4th, 2026

Venue: Traditional Medicine Building A, 2F Conference room

Keynotes

Chair: Prof. Wei-Hsin Sun, NYCU; Dr. Pham Dinh Chuong, TDTU

- 09:00 | Structure and Function of Diverse Lectins: Potential Applications, from Pesticides to Antiviral and Alzheimer's Therapies
Prof. Tomohisa Ogawa
School of Agricultural Science, Tohoku University, Japan
- 09:30 | Cancer Chemopreventive and Other Health Beneficial Effects of *Panax Ginseng*
Prof. Young-Joon Surh
College of Pharmacy, Seoul National University, Korea
- 10:00 | TBA
Prof. Ao-Lin Hsu
College of Life Sciences, NYCU, Taiwan
- 10:30 | **Tea Break**

Biotechnology

Chairs: Assoc Prof. Ming-Han Tsai , NYCU; Dr. Pham Dinh Chuong, TDTU

- 11:00 | Effect of biofertilizer on yield and phytochemical, and antioxidant of Edamame seeds
Dr. Nguyen Thi Thu Hang, TDTU
- 11:10 | Production of detection kit for *Streptococcus agalactiae* causing hemorrhage and eye edema in Nile tilapia (*Oreochromis niloticus*)
Dr. Pham Dinh Chuong, TDTU
- 11:20 | TBA
Assoc. Prof. Ming-Han Tsai, NYCU
- 11:30 | Extraction of hydrolysed collagen from basa's fish skin (*Pangasius bocourti*) by enzymatic hydrolysis methods combined with ultrasound
Dr. Nguyen Thi Cam Vi, TDTU
- 11:40 | Comparison of chitosan and *Cterculia foetida* L. Gum films enriched with *Glinus oppositifolius* extract for postharvest preservation of *Ziziphus mauritiana* Lamk
Dr. Doan Thien Thanh, TDTU
- 11:50 | Enhanced Astaxanthin Production in *Rhodospiridium toruloides* via Sequential Benomyl-EMS Mutagenesis and Culture Medium Optimization
Dr. Tran Thi Tuyet Nhung, TDTU
- 12:00 | Q & A

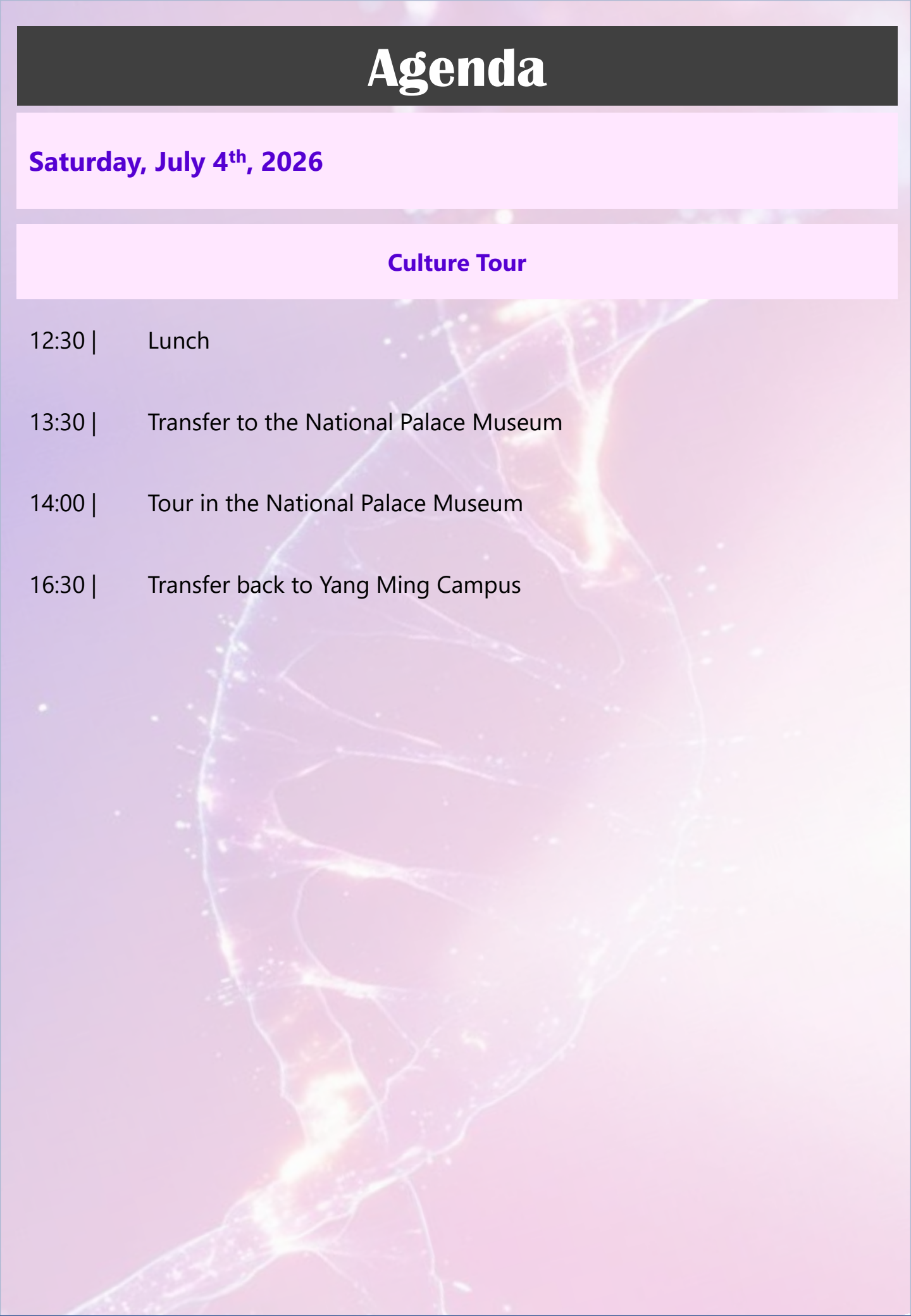
Closing Remarks

Poster Award Ceremony

Agenda

Saturday, July 4th, 2026

Culture Tour

- 
- 12:30 | Lunch
- 13:30 | Transfer to the National Palace Museum
- 14:00 | Tour in the National Palace Museum
- 16:30 | Transfer back to Yang Ming Campus

ORGANIZING COMMITTEES

Organizer Committee

Title/Affiliation

Cheng-Chang Lien

Dean, College of Life Sciences, NYCU

Do Tuong Ha

Dean, Faculty of Applied Sciences, TDTU

Nguyen Ngoc Tuan

Vice Dean, Faculty of Applied Sciences, TDTU

Wei-Hsin Sun

Vice Dean, College of Life Sciences, NYCU

Shir-Ly Huang

Honorary Vice Dean, College of Life Sciences, NYCU

REGISTRATION

Foreign	Registration fee	Remittance Information
Non-student	200 USD	- Beneficiary Bank: E.SUN Commercial Bank, Ltd. - Beneficiary Bank Add.: No.115 and 117, Sec.3, Minsheng E.Rd., Taipei City, 10546, Taiwan - SWIFT CODE: ESUNTWTP - Beneficiary Name: NATIONAL YANG MING CHIAO TUNG UNIVERSITY - Beneficiary A/C No.: 0163951000028
Student	50 USD	

Domestic	Registration fee	Remittance Information
Non-student	6,000 NTD	- 金融機構：玉山銀行(銀行代碼808) 天母分行(分行代碼0163) - 戶名：國立陽明交通大學403專戶 - 帳號：0163951000028
Student	1,000 NTD	

Contact person: Ms. Jennifer Chen

Email: jenniferchen@nycu.edu.tw

Tel: +886-2-2826-7000 ext. 66131

Registration fee includes:
A programme, 7/3 Lunch & dinner, 7/4 lunch & culture tour.

Participants are requested to register and submit their **abstracts** by **June 22 (Wed.), 2026**, following the specified format.

Registration QR code



Abstract Format

Title (20-pt font, Calibri)

Authors' name (14-pt font, Calibri)

Affiliations (14-pt font, Calibri)

Abstract: (300-500 words, 16-pt font, Calibri)

3-5 Keywords

Background:

Methods & Results:

Conclusions:

Example:

ICAS-5: A Catalyst for Innovation and International Collaboration

Emily Chen^{1,*}, Nguyen Thi Lan²

¹College of Life Sciences, National Yang Ming University, Taipei City, Taiwan

²Faculty of Pharmacy, Ton Duc Thang University, Ho Chi Minh City, Vietnam

***Corresponding author. Email: emily0102@gmail.com**

Poster Format

(90X120cm, vertical)

Title
Authors' name
Affiliations

Example:

A Catalyst for Innovation and International Collaboration

Emily Chen^{1,*}, Nguyen Thi Lan²

¹College of Life Sciences, National Yang Ming University, Taipei City, Taiwan

²Faculty of Pharmacy, Ton Duc Thang University, Ho Chi Minh City, Vietnam

*Corresponding author. Email: emily0102@gmail.com

120 cm

90 cm

Paper Format

Title

Firstname Lastname ¹, Firstname Lastname ², and Firstname Lastname ^{2,*}

¹ Affiliation 1; e-mail@e-mail.com

² Affiliation 2; e-mail@e-mail.com

* Correspondence: e-mail@e-mail.com; Tel.: (optional; include country code; if there are multiple corresponding authors, add author initials) +xx-xxxx-xxx-xxxx

Abstract: A single paragraph of about 200 words maximum. For research articles, abstracts should give a pertinent overview of the work. We strongly encourage authors to use the following style of structured abstracts, but without headings: (1) Background: Place the question addressed in a broad context and highlight the purpose of the study; (2) Methods: Describe briefly the main methods or treatments applied; (3) Results: Summarize the article's main findings; and (4) Conclusions: Indicate the main conclusions or interpretations.

Keywords: keyword 1; keyword 2; keyword 3 (List three to ten keywords)

1. Introduction

The introduction should briefly place the study in a broad context and highlight why it is important.

2. Materials and Methods

Materials and Methods should be described with sufficient details to allow others to replicate and build on published results. New methods and protocols should be described in detail while well-established methods can be briefly described and appropriately cited.

3. Results and Discussion

This section may be divided by subheadings.

4. Conclusions

This section summarizes the entire work or the findings.

Acknowledgments:

Appendix

The appendix is an optional section that can contain details and data supplemental to the main text.

References

References must be numbered in order of appearance in the text (including citations in tables and legends) and listed individually at the end of the manuscript.

Paper template: [here](#)

Simple instructions for IOP: [here](#)

Link for IOP submission:

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Yei-Tsung Chen

Assistant Professor

College of Life Sciences, NYCU

Tran Thi Tuyet Nhung

Faculty of Applied Sciences, TDTU

Tran Hoai Khang

Faculty of Applied Sciences, TDTU

Truong Van Thien

Faculty of Applied Sciences, TDTU

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Shir Ly Huang

Professor

College of Life Sciences, NYCU

Nguyen Ngoc Tuan

Associate Professor

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Vo Nguyen Xuan Phuong

Faculty of Applied Sciences, TDTU

Pham Dinh Chuong

Faculty of Applied Sciences, TDTU

Phan Vu Hoang Giang

Faculty of Applied Sciences, TDTU

Field Trip on July 4th



National Palace Museum

The National Palace Museum was established following the historical conflict between the Kuomintang and the Communist Party, which led to the relocation of imperial artifacts to Taiwan. Its collection represents thousands of years of Chinese cultural heritage, and the museum is dedicated to preserving and presenting these treasures. Most artifacts originated from the Preparatory Department of the National Central Museum and are primarily Qing court collections from the Palace Museum, the Jehol summer resort, and the Shenyang Imperial Palace.

Accommodations



The Tango

No. 16-6, Jihe Rd., Shilin Dist.,
Taipei City 111013, Taiwan (R.O.C.)

Near Jiantan MRT station (R15)

<http://jt.tango-hotels.com/>

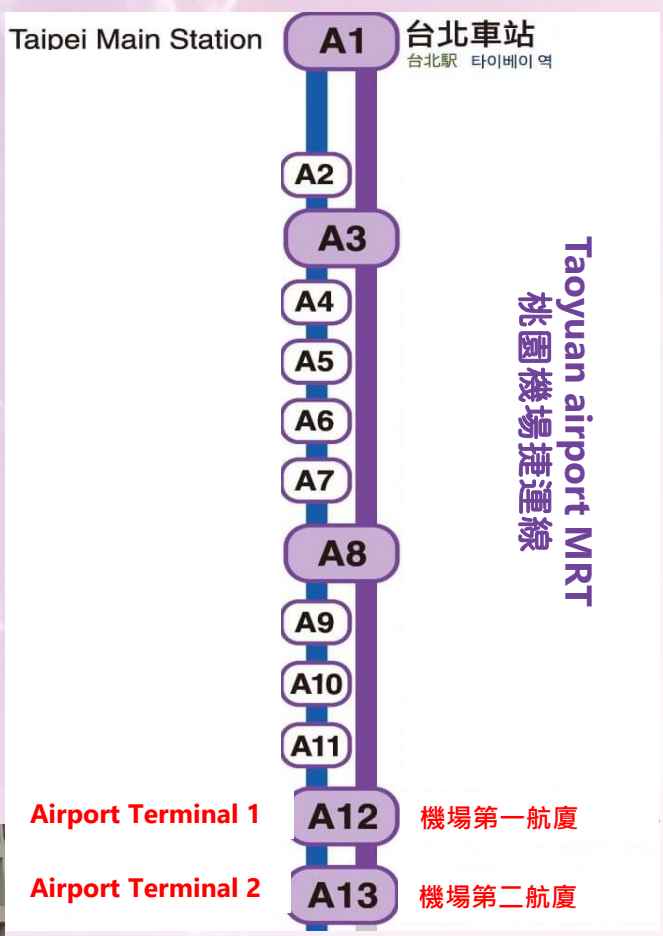
Renaissance Taipei Shihlin Hotel

No. 8, Ln. 470, Sec. 5, Zhongshan N. Rd.,
Shilin Dist., Taipei City 111005, Taiwan (R.O.C.)

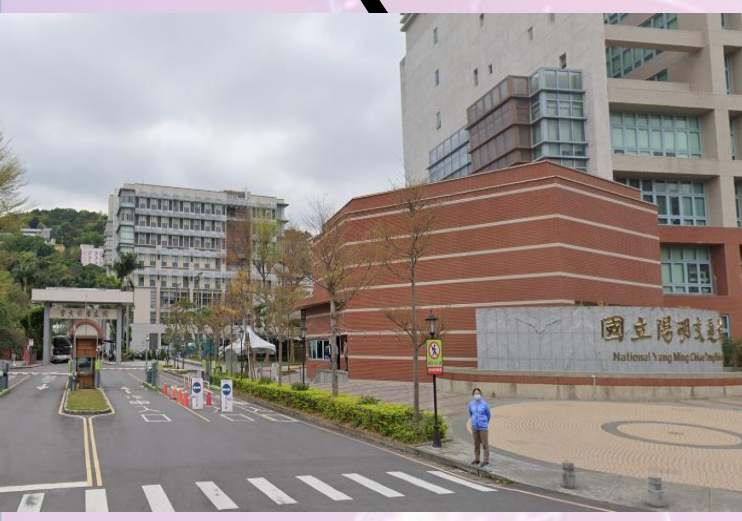
Near Shihlin MRT station (R16)

<https://www.marriott.com/en-us/hotels/tpesh-renaissance-taipei-shihlin-hotel/overview/?scid=f2ae0541-1279-4f24-b197-a979c79310b0>





Taoyuan Airport



**NYCU,
Yang Ming Campus,
Taipei City**

HOW CAN I GET TO NYCU?
(Yang Ming Campus)



2.

3.

GATE



1.

1. Go straight after entering the campus gate.
2. When you see the library, turn right (the sports field will be on your right-hand side).
3. After passing the sports field, the building slightly ahead to your right is the Traditional Medicine Building A.

**HOW CAN I GET TO
Traditional Medicine Building A?**