

# 國科會生命科學研究推動中心

## 研討(習)會 結案報告

### 一、基本資料

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 中文名稱     | 亞洲藥物科學研討會(第六屆)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 英文名稱     | Asia Conference on Pharmaceutical Sciences (AsiaPharm VI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 中文摘要報告   | <p>第六屆亞洲藥學科學研討會 ( AsiaPharm VI ) 於 2025 年 7 月 7 日至 9 日假國立陽明交通大學陽明校區舉行，由該校生命科學院主辦，與越南孫德勝大學與韓國首爾大學藥學院共同協辦。研討會成功集結來自亞洲及世界各地超過 120 位藥學與生醫領域的專家學者與學生，探討主題涵蓋藥物研發、生藥學、神經藥理學、轉譯醫學、生物科技與製藥產業等領域。</p> <p>會中舉辦專題演講、海報競賽、青年科學家論壇，並簽署雙聯碩士合作協議，推動跨國教育合作。此次會議強化區域間的學術連結與實質合作機會，為亞洲藥學科學發展注入嶄新動能。</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 英文摘要報告   | <p>The 6th Asian Conference on Pharmaceutical Sciences (AsiaPharm VI) was held from July 7 to 9, 2025, at the Yang Ming Campus of National Yang Ming Chiao Tung University (NYCU). Co-organized by NYCU College of Life Sciences, Ton Duc Thang University (Vietnam), and Seoul National University College of Pharmacy (Korea), the conference successfully brought together over 120 participants from across Asia and beyond, including experts, researchers, and students in the pharmaceutical and biomedical fields.</p> <p>Key topics included drug discovery, pharmacognosy, neuropharmacology, translational medicine, biotechnology, and the pharmaceutical industry. The event featured keynote speeches, a poster competition, and a young scientists' forum, and also marked the signing of a dual-degree Master's program agreement. AsiaPharm VI significantly strengthened regional academic collaboration and fostered new opportunities for international cooperation in pharmaceutical sciences.</p> |
| 研討(習)會目的 | 亞洲藥學科學會議 ( AsiaPharm ) 是一個享有盛譽的國際會議，致力於                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|           | <p>推動藥學科學的發展並促進全球合作。自 2016 年於越南孫德勝大學 ( Ton Duc Thang University ) 創辦以來，AsiaPham 已成功舉辦於韓國首爾國立大學 ( 2017 )、印尼萬隆理工學院 ( 2018 )、馬來西亞瑪拉工藝大學 ( 2019 )，以及最近的越南孫德勝大學 ( 2023 )。多年來，AsiaPham 已建立起強大的國際聲譽，成為科學家、教育工作者、研究人員和業界專業人士交流知識、展示創新成果並探討藥學科學新興趨勢的首要平台。延續歷屆會議的成功，AsiaPham VI 將繼續發揚這一傳統，進一步提升專業人員的素質，並促進學術界與產業界的合作。</p> <p>今年，AsiaPham VI 將匯聚來自亞洲及全球各地的著名大學、研究機構和製藥企業的代表，促進在藥物製劑與工業、藥學與生物醫學分析、生藥學、藥理學、臨床藥學、生物技術及轉譯醫學等關鍵領域的深入討論與知識共享。 本次會議的議程將涵蓋多樣的報告形式，包括知名專的主題演講、口頭報告以及展示前沿研究和突破性創新的海報展覽。此外，會議還將特設青年科學家專場，鼓勵新生代研究人員參與高水準的學術對話，並在國際藥學社群中建立寶貴的人脈。</p> |
| 參加對象(含人數) | <p>總合計： 126 人</p> <p>主辦單位地主國： 66 人</p> <p>國外其他地區：(請詳列國別與人數，欄數不足者請自行補充)</p> <p>越南 51 人、澳洲 1 人(線上)、韓國 3 人、印尼 4 人、加納 1 人</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 預期效益達成狀況  | <p>本次會議延續以往的成功經驗，持續發揮作為藥學領域跨國交流與學術合作平台的重要功能。本次會議吸引來自亞洲各國及國內多所大學的專</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

家學者與學生共襄盛舉，參與人數約達 126 人。與會貴賓包括越南孫德勝大學藥學院長官、來自韓國首爾大學與漢陽大學的特邀講者、印尼與台灣多所大學（如天主教輔仁大學、台北醫學大學與成功大學）之邀請講者，以及關注醫療與藥學南向發展議題的學者與研究生。此次會議成功促進跨國學術對話與專業交流，進一步深化亞洲區域在藥物科學領域的合作網絡。

本次研討會規劃豐富多元的學術議程，涵蓋主題演講、專題報告、海報展示及青年學者論壇等形式。會中邀請 5 位來自不同國家的國際知名學者進行主題演講，分享其在藥學及相關領域的最新研究成果與趨勢。專題報告部分，共計 17 篇論文於 5 個主題場次中發表，內容橫跨藥物製劑與技術開發、神經科學與神經藥理學、轉譯醫學、應用於藥學與生物技術的天然化合物與微生物、以及製藥產業等領域，展現藥學科學的廣泛關注面向與研究深度。此外，海報展示共展出 32 篇由研究人員與學生投稿之研究成果，提供與會者深入交流與互動的機會。為鼓勵青年學者參與，本次特別設置「青年學者論壇」，遴選 7 名學生進行口頭簡報，並由資深學者現場提供專業回饋與建議，營造跨世代對話與指導的良好氛圍。多數與會者對本次主題演講內容之深度與視野表示高度肯定，亦讚揚海報展示在議題上的多樣性與學術價值。青年學者的積極參與更展現未來藥學研究新生代的活力與潛力，透過此次經驗提升其學術表達與領導實踐的能力。

AsiaPharm VI 對藥學領域的推展與深化帶來多項具體貢獻。首先，透過高品質的國際會議規劃與執行，顯著提升了主辦機構於國際藥學

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|  | <p>學術社群中的能見度與聲譽。其次，會議為新進學者提供展示研究成果的平台，同時建立跨國交流與人脈網絡的契機，協助其拓展學術視野。再者，藉由整合多學科專家及實務應用議題，會議有效促進跨領域創新思維與應用導向的研究發展。最重要的是，AsiaPharm VI 積極強化亞洲地區與國際社群在藥學教育與藥品研發方面的合作連結，對未來區域性與全球性的醫藥發展奠定堅實基礎。</p> |
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## 二、邀請主講人姓名及學經歷

| 姓名               | 學歷                                                                         | 經歷                                                                                                                                                                                                                                                                                                                                                                                                  | 現任                                 |
|------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Nguyen Minh Duc  | Ph.D., School of Medicine, Hiroshima University                            | <ul style="list-style-type: none"> <li>- Head, Department of Botany and Pharmacognosy, Faculty of Pharmacy, Ton Duc Thang University (2019-2024).</li> <li>- Dean, Faculty of Pharmacy, Ton Duc Thang University (2015-2019).</li> <li>- Head, Division for Science &amp; Technology Management, Faculty of Pharmacy, University of Medicine and Pharmacy Ho Chi Minh City, (2005-2015).</li> </ul> | Faculty of Pharmacy, TDTU, Vietnam |
| Elena P. Ivanova | PhD in Microbiology, Institute of Microbiology and Virology, Kiev, Ukraine | 2019 –current, Distinguished Professor, RMIT University, Australia<br>2018 –current, Professor, RMIT University, Australia<br>2009 – 2018 Professor, Swinburne University of Technology, Faculty of Science, Engineering and Technology, Australia<br>2003 - 2008                                                                                                                                   | RMIT University, Australia         |

|                |                                                                                                                       |                                                                                                                                                                                                                                                                                     |                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
|                |                                                                                                                       | Associate Professor,<br>Swinburne University of<br>Technology, Faculty of Life and<br>Social Sciences, Australia                                                                                                                                                                    |                                                                   |
| Jeewoo Lee     | Ph.D. Department of<br>Medicinal<br>Chemistry, School of<br>Pharmacy<br>State University of<br>New York at<br>Buffalo | 2005-present:<br>Professor Laboratory of<br>Medicinal Chemistry College of<br>Pharmacy, Seoul National<br>University<br>2022-2023:<br>President Asian Federation for<br>Medicinal Chemistry<br>(AFMC)<br>2023-present:<br>President Korean Society of<br>Medicinal Chemistry (KSMC) | College of Pharmacy, Seoul<br>National University (SNU),<br>Korea |
| Hyungshin Yim  | Ph.D. College of<br>Pharmacy,<br>Seoul National<br>University, Seoul,<br>Korea                                        | Mar. 2012 - Present<br>Professor/ Associate<br>Professor/ Assistant Professor<br>College of Pharmacy, Hanyang<br>University, Ansan, Korea. Sep.<br>2011 - Jan. 2012 Research<br>Professor<br>School of Life Science and<br>Biotechnology, Korea<br>University, Seoul, Korea         | College of Pharmacy,<br>Hanyang University, Korea                 |
| Jei-Rong Huang | 英國劍橋大學<br><br>化學系 博士<br>(2003.10~2007.02)                                                                             | 法國國家研究中心 結構生物<br>學研究所 博士後研究員<br>(2010.09~2013.07)<br><br>瑞士巴塞爾大學 生物中心<br><br>結構生物學組 博士後研究員<br>(2007.03~2010.08)                                                                                                                                                                     | College of Life Sciences,<br>NYCU, Taiwan                         |

### 三、議程

| <b>Monday, July 7<sup>th</sup>, 2025</b><br>Traditional Medicine Building A, 2F Conference room |                                                                                                                                                                                                                                |                                                                                |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 10:30                                                                                           | <b>MOA Signing Ceremony</b><br><b>College of Life Sciences (NYCU) + Faculty of Applied Sciences (TDTU)</b><br><b>College of Life Sciences (NYCU) + Faculty of Pharmacy (TDTU)</b>                                              |                                                                                |
| 11:30                                                                                           | <b>Conference Registration</b>                                                                                                                                                                                                 |                                                                                |
| 13:15                                                                                           | <b>Opening ceremony</b>                                                                                                                                                                                                        |                                                                                |
|                                                                                                 | <b>Keynotes</b>                                                                                                                                                                                                                | <b>Chairs</b>                                                                  |
| 13:30                                                                                           | <i>PANAX VIETNAMENSIS</i> VARIETIES – CURRENT STATUS, CHALLENGES, AND PROSPECT<br><b>Prof. Nguyen Minh Duc/ Associate Prof. Nguyen Truong Huy</b><br>Faculty of Pharmacy, TDTU, Vietnam                                        | <b>Prof. Shir-Ly Huang</b><br>College of Life Sciences, NYCU, Taiwan           |
| 14:00                                                                                           | Translational pathway of biomimetic nanotextured titanium surfaces: bactericidal efficacy and immunomodulation<br><b>Prof. Elena P. Ivanova</b><br>RMIT University, Australia                                                  |                                                                                |
| 14:30                                                                                           | TM4SF5-specific isoxazole-based small molecules restores NK cell immune surveillance during hepatocarcinogenesis<br><b>Prof. Jee-Woo Lee</b><br>College of Pharmacy, SNU, Korea                                                | <b>Associate Prof. Nguyen Truong Huy</b><br>Faculty of Pharmacy, TDTU, Vietnam |
| 15:00                                                                                           | <b>Tea Break</b>                                                                                                                                                                                                               |                                                                                |
| 15:30                                                                                           | Pharmacological Implications of the PLK1 Network in Metastatic Non-Small Cell Lung Cancer<br><b>Prof. Hyungshin Yim</b><br>College of Pharmacy, Hanyang University, Korea                                                      |                                                                                |
| 16:00                                                                                           | Unveiling Molecular Mechanisms of Intrinsically Disordered Proteins in Liquid-Liquid Phase Separation for Disease Insights and Therapeutic Innovation<br><b>Prof. Jie-Rong Huang</b><br>College of Life Sciences, NYCU, Taiwan | <b>Prof. Wei-Hsin Sun</b><br>College of Life Sciences, NYCU, Taiwan            |
| 16:30                                                                                           | <b>Transfer to the Restaurant</b><br><b>Address: No. 226, Guangming Rd., Beitou Dist., Taipei City 112006, Taiwan (R.O.C.)</b>                                                                                                 |                                                                                |
| 17:30                                                                                           | <b>Dinner (Newenjoy)</b>                                                                                                                                                                                                       |                                                                                |

**Tuesday, July 8<sup>th</sup>, 2025**  
Traditional Medicine Building A, 2F Conference room

**Pharmaceutical biotechnology**

Chair: Professor Shir-Ly Huang, NYCU;  
Associate Professor Jong-Man Yoo, Cha University

09:00 Organoid based drug discovery and regenerative medicine  
Associate Professor Jong-Man Yoo, Cha University

09:15 The inter-bacterial interactions of gut/oral microbiota: the production of health-promoting metabolites and potential in product development  
Professor Shir-Ly Huang, NYCU

09:30 The Development of Antivirals Against Human Viruses  
Associate Professor Ming-Han Tsai, NYCU

**Neurosciences and neuropharmacology**

Chair: Assistant Professor Hong-Ru Chen, NYCU;  
Associate Professor Margaret Ho, NYCU

09:45 Glial Cells in Neurodegenerative Diseases  
Associate Professor Margaret Ho, NYCU

10:00 Monocyte-Derived Macrophage Mediated Transmission of Tauopathy  
Assistant Professor Hong-Ru Chen, NYCU

**Tea Break (10:15-10:45)**

**Translational medicines**

Chair: Professor Wei-Hsin Sun, NYCU;  
Assistant Professor Yie-Tsung Chen, NYCU

10:45 A new era of pharmaceutical development in regenerative medicine  
Distinguished Professor, Ling-Huei Huang, NCKU

11:00 Investigation of cinnamic acid derivatives for the of carbapenem-resistant *Acinetobacter baumannii*: In silico and in vitro studies  
Prof. Muhammad Aswad, Hasanuddin University

11:15 Applications of zebrafish model in heart disease research.  
Assistant Professor Yei-Tsung Chen, NYCU

11:30 Tumor Microenvironment-Responsive Nanoformulations for Precision Co-Delivery of Chemotherapeutics and Nucleic Acids in Cancer  
Distinguished Professor Yu-Li Lo, NYCU

11:45 Perturbations in gut microbiota influence disease severity of rheumatoid arthritis and pain hypersensitivity  
Professor, Wei-Hsin Sun, NYCU

**Lunch break and Poster presentation evaluation**

**Tuesday, July 8<sup>th</sup>, 2025**

Traditional Medicine Building A, 2F Conference room

**Natural compounds and microorganisms applied in pharmacy and biotechnology**

Chair: Associate Professor Cheng-Yen Kao, NYCU;

Dr. Do Bich Hang, TDTU

13:45 Evaluation of biological activities of extracts and compounds isolated from *Distichochlamys* sp.  
Dr. Do Bich Hang, TDTU

14:00 GMI, an immunomodulatory protein from *Ganoderma microsporum*, suppresses lung tumor progression via EGFR degradation and KRAS pathway modulation  
Professor Tung-Yi Lin, NYCU

14:15 Development of bioactive constituents from Taiwan's endemic microorganisms.  
Assistant Professor, Cheng-Min Jen, Fu Jen Catholic University (FJU)

14:30 Fighting the Superbug Era: Probiotics, Phages, and New Compounds as Promising Alternatives to Antibiotics  
Associate Professor Cheng-Yen Kao, NYCU

**Pharmaceutical industry**

Chair: Associate Professor Hui-Ting Chen, NYCU;

Dr. Le Quoc Viet, TDTU

14:45 Ligation-on-Bead Peptide Synthesis: Accelerating the Peptide Synthesis in Pharmaceutical Development  
Associate Professor, Hui-Ting Chen, NYCU

15:00 Metal-Polyphenol Nanocomplexes: A Versatile Platform for Multicargo Therapeutic Delivery.  
Dr. Le Quoc Viet, TDTU

15:15 Poly( $\beta$ -amino ester)-Based Gene Delivery Systems: Synthesis, Physicochemical Characterization, and Applications.  
Dr. Thach Ut Dong, TDTU

**Tea Break (15:30-15:50)**

**Tuesday, July 8<sup>th</sup>, 2025**  
Traditional Medicine Building A, 2F Conference room

**Young scientists**  
Chair: Assistant Professor Hon-Ru Chen

|       |                                                                                                                                                                                                                    |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15:50 | Effect of Lipid Chain Length on T7-Modified Liposome Stability and Thermosensitivity<br>Jia-Yi Huang, NYCU                                                                                                         |
| 16:00 | Broad-spectrum antiviral activity of <i>Ganoderma microsporum</i> immunomodulatory protein: Targeting glycoprotein gB to inhibit EBV and HSV-1 infections <i>via</i> viral fusion blockage<br>Di Ngoc Kha Vo, NYCU |
| 16:10 | Artificial Intelligence (AI)-Aided Discovery of Bioactive Compounds in <i>Streptomyces</i> sp.<br>Muhammed Opoku Gyamfi, FJU                                                                                       |
| 16:20 | Knockdown of OGR1 in dorsal root ganglion neurons shortens the neuropathic pain<br>Yin Chin, NYCU                                                                                                                  |
| 16:30 | Co-cultivation of <i>Lactiplantibacillus plantarum</i> and <i>Veillonella dispar</i> enhances bacterial growth and the production of health-promoting metabolites via lactate cross-feeding<br>Yu-Pei Hu, NYCU     |
| 16:40 | MALDI Mass Spectrometry Applications in Medical Research<br>Dr. Mai Xuan Lan, TDTU                                                                                                                                 |
| 16:50 | Role of subicular VIP interneurons in modulating the hippocampal output and behaviour<br>Gerick Jacobs, NYCU                                                                                                       |

**Closing remarks & Poster awarding ceremony**

**Wednesday, July 9<sup>th</sup>, 2025**

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| 11:15-11:30 | Gathering and departure (registered participants only)                               |
| 11:30-17:30 | Diverse microbes and bioresources of ecosystems in National Park<br>(Lunch Provided) |

#### 四、活動照片和影片

照片(至少 10 張，請填寫照片說明)



簽約儀式大合照



研討會報到



Nguyen Minh Duc 教授 演講



Nguyen Truong Huy 副教授 演講



Elena 教授 演講(線上)



Jeewoo Lee 教授 演講



Hyunshin Yim 教授 演講



黃介嶸教授 演講



Jooman Yoo 副教授 演講



黃雪麗教授 演講



蔡明翰副教授 演講



何淑君副教授 演講



陳虹如助理教授 演講



海報展示



陳儀聰助理教授 演講



黃玲惠特聘教授 演講



孫維欣教授 演講

中場休息



Do Bich Hang 講師 演講

林東毅教授 演講



高正彥副教授 演講

陳惠亭副教授 演講



Le Quoc Viet 講師 演講

Thach Ut Dong 講師 演講



Young scientist 黃佳儀 演講



Young Scientist Di Ngoc Kha Vo 演講



Young Scientist  
Muhammed Opoku Gyamfi  
演講



Young Scientist 秦茵 演講



Young Scientist 胡羽沛 演講



Young Scientist Mai Xuan Lan 講師 演講



閉幕大合照