

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

中文名稱	2024 國立臺灣大學藥學專業學院研究日暨國際研討會
英文名稱	2024 National Taiwan University School of Pharmacy (NTUSP) Research Day and International Conference
中文摘要報告	<p>國立臺灣大學藥學專業學院年度盛事——第七屆 (2024 年) 研究日暨國際學術交流研討會於 2024 年 5 月 10 日至 11 日盛大展開，為拓展本院學生國際視野、增進國際合作院校之交流，邀請了學院合作伙伴美國密西根大學 (The University of Michigan)、美國俄亥俄州立大學 (The Ohio State University)、日本京都藥科大學 (Kyoto Pharmaceutical University)、首爾大學 (Seoul National University)，以及泰國朱拉隆功大學 (Chulalongkorn University) 共計 14 位藥學領域專家學者參與，而本院亦有多名優秀老師擔任演講者與主持人，活動陣容氣勢磅礴。</p> <p>本屆活動共分 2 天進行，首日以本院學生及傑出系友為主，分別就各自的研究內容以多元形式呈現，可謂是院內學術研究開花結果的豐收慶典。上午以 4 篇精彩口頭論文報告作為先鋒，學生將自身研究成果進行展示分享，並與國內外與會學者交流和問答。下午的部分則是由第 22 屆傑出系友——顧曼芹董事長發表精彩演說，從臺灣新藥研發的角度談論 expanding new drug treatment，讓與會者受益良多。同時，下午亦安排共計 55 組壁報論文之展示，並分為 Drug Discovery (新藥探索)、Pharmaceutical Technology (製藥科技)、Medicinal Biotechnology (醫藥生技)及 Clinical Pharmacy (臨床藥學) 等四大主題，由投稿者現場進行解說，過程中除讓不同領域學生切磋交流，另安排評審老師進行提問評分，而後依投稿者綜合表現評選出優秀論文於閉幕儀式中進行頒獎。</p> <p>第二日活動則是由包括本校的 4 所學校、共 12 位傑出學者分享自己豐碩的研究成果，演講主題涵蓋「Medicinal Chemistry/ Pharmacognosy/ Analytical Chemistry」、「Pharmaceutical Sciences/ Translational Medicine/ Biological Sciences」及「Clinical Pharmacy/ Social Pharmacy」等藥學相關領域，讓與會者受益良多。</p> <p>隨著全球 COVID-19 疫情趨緩，今年活動維持實體模式舉辦，約莫 160 人熱烈參與，透過 4 場學生論文競賽、9 組圓桌會議、12 場專題演講及 55 組壁報論文展示等方式，讓所有與會貴賓共同探討藥學領域知識與進行深度學術交流。本活動獲得財團法人新陳基金會、陳瑞龍教授醫藥產學促進講座—菁英獎座及國科會生命科學研究推動中心贊助。</p>
英文摘要報告	<p>The 2024 National Taiwan University School of Pharmacy Research Day and International Conference was held from May 10 to May 11, 2024. The event aimed to enhance students' international perspectives by featuring 14 prominent experts and scholars from The University of Michigan, Ohio State University, Kyoto Pharmaceutical University, Seoul National University, and Chulalongkorn University.</p>

	<p>The first day of the conference focused on student engagement through oral and poster presentations, round table discussions with experts, and speeches by outstanding alumni. Presentations covered four main topics: drug discovery, pharmaceutical technology, medicinal biotechnology, and clinical pharmacy. The second day was dedicated to keynote speeches by medical experts, who presented their latest research findings in three fields: Medicinal Chemistry/Pharmacognosy/Analytical Chemistry, Pharmaceutical Sciences/Translational Medicine/Biological Sciences, and Clinical Pharmacy/Social Pharmacy.</p> <p>The event provided a platform for in-depth discussions and knowledge exchange, fostering a collaborative learning environment. The conference was sponsored by the Xin-Chen Foundation, Professor Chen, Russel Rhei-Long Memorial Award-Elite Scholarly Fund, and the National Science and Technology Council, Life Sciences Research Promotion Center.</p> <p>This conference exemplified the National Taiwan University School of Pharmacy's commitment to promoting international collaboration and advancing its students' academic and professional development.</p>
<p>研討(習)會目的</p>	<p>本次研討會除了邀請多位國際知名專家學者及國內優秀醫藥學領域相關研究專家共襄盛舉，研討會議將演講領域分為藥物化學、生醫藥學、分析化學、轉譯醫學、臨床藥學和社會藥學、流行病學、代謝體學等相關範疇。藉此會議彼此交流，不僅互相了解國內外最新學術研究發展，提升台灣醫藥界研究領域的量能，並帶動我國醫藥生技產業發展。也舉辦了讓青年學子得已與國內外專家學者相互交流的口頭論文與壁報論文發表競賽，學生或青年學者透過面對面的討論與交流，可獲取有效的建議並進一步增廣研究視野與見聞。</p>
<p>參加對象(含人數)</p>	<p>全國各大專院校藥學相關院系所師生、生醫、藥學領域研究人員及業界人士，共約 160 人。</p>
<p>預期效益達成狀況</p>	<p>本次 2 天的研討會達成的效益斐然，除了成功邀請包括 5 所著名大學 12 位藥學知名教授分享最新研究成果外，亦有四大主題共 55 組壁報論文展示，參與人士均表示收獲良多，對我國醫藥生技產業發展有著非常重大的啟示，而藉由學者專家、業界人士對青年學子壁報論文的指教與討論，更使得青年學子得到寶貴的建議，最後透過競賽選出優秀的壁報論文，更是對得獎的學子們莫大的榮譽，本次研討會已圓滿達成預期的效益。</p>

二、邀請主講人姓名及學經歷

姓名	學歷	經歷	現任
Antoinette (Toni) Bartolotta Coe	<ol style="list-style-type: none"> <li>2018 / Institute for Healthcare Policy and Innovation (IHPI) Clinician Scholar, University of Michigan</li> <li>2015 / Doctor of Philosophy in Pharmaceutical Sciences, Virginia Commonwealth University School of Pharmacy</li> </ol>	<ol style="list-style-type: none"> <li>2018-present / Assistant Professor, University of Michigan College of Pharmacy</li> <li>2016-2018 / Research Assistant Professor, University of Michigan College of Pharmacy</li> </ol>	Assistant Professor, Clinical Pharmacy, College of Pharmacy, University of Michigan
Amanda L. Garner	<ol style="list-style-type: none"> <li>2008 / University of Pittsburgh, Pittsburgh, PA Ph.D. in Chemistry</li> <li>2003/ Allegheny College, Meadville, PA B.S. in Chemistry, Magna cum Laude</li> </ol>	<ol style="list-style-type: none"> <li>2022-present / Director, interdepartmental program in Medicinal Chemistry</li> <li>2020-present / Associate Professor, University of Michigan Department of Medicinal Chemistry</li> </ol>	Associate Professor, College of Pharmacy, Department of Medicinal Chemistry, University of Michigan
Duxin Sun	<ol style="list-style-type: none"> <li>2002 / Ph.D. in Pharmaceutical Sciences, Department of Pharmaceutical Sciences, College of Pharmacy, University of Michigan</li> <li>1998 / Visiting Scholar in Molecular Pharmacology, Department of Pharmacology, University of Pennsylvania and Vanderbilt University</li> </ol>	<ol style="list-style-type: none"> <li>2022 / Associate Dean for Research, College of Pharmacy, Charles R. Walgreen, Jr. Professor, Department of Pharmaceutical Sciences, College of Pharmacy, The University of Michigan</li> <li>2021 / J.G. Searle Endowed Professor, Department of Pharmaceutical Sciences, College of Pharmacy, The University of Michigan</li> </ol>	Associate Dean for Research, College of Pharmacy Charles R. Walgreen, Jr. Professor of Pharmacy and Professor of Pharmaceutical Sciences, University of Michigan

Deanna L. Kroetz	<ol style="list-style-type: none"> <li>1990, PhD. University of Washington</li> <li>1985, BS Pharm, The Ohio State University College of Pharmacy</li> </ol>	Dean and Professor, The Ohio State University, College of Pharmacy	Dean and Professor, College of Pharmacy , Pharmaceutics and Pharmacology, The Ohio State University
Yu-Jung “Jenny” Wei	<ol style="list-style-type: none"> <li>PhD., University of Maryland School of Pharmacy, Pharmaceutical Health Services Research.</li> <li>MSc., National Taiwan University, Health Policy and Management</li> </ol>	Associate Professor, College of Pharmacy, The Ohio State University	Associate Professor, Outcomes and Translational Sciences, The Ohio State University
Kou-San Ju	<ol style="list-style-type: none"> <li>2016 / Postdoctoral, University of Illinois at Urbana-Champaign</li> <li>2009 / Ph.D., University of California at Davis</li> </ol>	Assistant Professor, Department of Microbiology, College of Arts and Sciences, the Ohio State University	Assistant Professor of Microbiology and Medicinal Chemistry and Pharmacognosy, the Ohio State University
Takeshi Sato	<ol style="list-style-type: none"> <li>2004 / Graduate School of Science, Osaka University</li> <li>1999 / Yokohama National University</li> </ol>	<ol style="list-style-type: none"> <li>2017-present / Kyoto Pharmaceutical University</li> <li>2014-2017/ Associate Professor, Institute for Protein Research, Osaka University</li> </ol>	Associate Professor, Pharmaceutical Sciences, Pharmacy, Kyoto Pharmaceutical University
Yu Ishima	<ol style="list-style-type: none"> <li>2007 / Ph.D. School of Pharmacy, Graduate School of Pharmaceutical Sciences, Kumamoto University</li> </ol>	<ol style="list-style-type: none"> <li>2023-present / Professor, Department of Biopharmaceutics, Kyoto Pharmaceutical University</li> <li>2016-2023 / Tokushima University</li> </ol>	Professor, Department of Biopharmaceutics, Kyoto Pharmaceutical University
Shinji Kobuchi	<ol style="list-style-type: none"> <li>2014 / Graduate School and Faculty of Pharmaceutical</li> </ol>	<ol style="list-style-type: none"> <li>2014-present / Assistant Professor, Department of Pharmacokinetics,</li> </ol>	Assistant Professor at the Department of Pharmacokinetics, Kyoto Pharmaceutical

	Sciences, Kyoto University	Kyoto Pharmaceutical University	University
忻凌偉	Ph.D., Graduate Institute of Pharmaceutical Sciences, College of Medicine, National Taiwan University	1. 2001-2002 Instructor(School of Pharmacy, College of Medicine, National Taiwan University), Laboratory of Medicinal Chemistry, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health Bethesda, Maryland, USA	Associate Professor, Department of Pharmacy, National Taiwan University
林君榮	Ph.D. in Pharmaceutics, University of Michigan, Ann Arbor, U.S.A.	1. 2023 / Dean, School of Pharmacy, College of Medicine, National Taiwan University 2. 2016 / Professor, School of Pharmacy, College of Medicine, National Taiwan University	Professor, Dean, School of Pharmacy, National Taiwan University
蕭斐元	National Yang-Ming University, School of Public Health, Taiwan, Ph.D. in Health and Welfare Policy Management, July 2007	1. 2010 / Pharmaceutical Health Services Research Department, University of Maryland School of Pharmacy, MD, USA., Post-doctoral fellow 2. 2008 / Institute of Health and Welfare Policy, National Yang-Ming University, Taiwan., Post-doctoral fellow	Professor, Director, Graduate Institute of Clinical Pharmacy

三、議程

May 10 (Friday)			
Time	Topic	Speaker	Moderator
09:00~09:10	Opening	Invited Guests	Dean
09:10~09:30	<b>Metabolomic Analysis Reveals Oxidative Stress Changes in Nonalcoholic Steatohepatitis Patients with Isolated <math>\gamma</math>-Glutamyl Transferase Elevation</b>	<b>Ju-Yu Chen</b> National Taiwan University, Taiwan	<b>Wei-Ren (William) Ke, Ph.D.</b> Assistant Professor National Taiwan University, Taiwan
09:30~09:50	<b>Ultrasensitive and High-Resolution Protein Spatially Decoding Framework for Tumor Extracellular Vesicles</b>	<b>Chen-Wei Hsu</b> National Taiwan University, Taiwan	
09:50~10:10	<b>Mechanistic Study of an HDAC6 Inhibitor and Its Synergistic Anticancer Activity in Combination with Paclitaxel in Ovarian Cancer Cells</b>	<b>An-Jui Chi</b> National Taiwan University, Taiwan	
10:10~10:30	<b>Aligning the Information-Motivation Behavioral Skills Model with Key Factors Influencing Diabetes Medication Adherence</b>	<b>Yu-Meng Yang</b> National Taiwan University, Taiwan	
10:30~10:50	Group Photo & Coffee Break		
10:50~12:00	<b><u>Poster Session</u></b>		
12:00~13:00	Lunch		
13:00~15:00	<b><u>Poster Session</u></b>		
15:00~15:10	Break		
15:10~16:10	Round Tables with Students		
16:10~16:30	Break		
16:30~17:30	Expanding New Drug Treatment	<b>M. Sherry Ku, Ph.D.</b> Founder and President of Kuder Consulting Company	<b>Chun-Jung Lin, Ph.D.</b> Professor National Taiwan University, Taiwan
17:30~18:00	Award Presentation and Closing Remarks		
18:00~	Dinner (Prize winners, NTUSP Faculty and Guests)		

**May 11 (Saturday)**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>	<b>Moderator</b>
09:00~09:10	Opening	Invited Guests	Dean
09:10~09:40	<b>Enabling Technologies for Revealing Druggable Paths in RNA Biology</b>	<b>Amanda L. Garner, Ph.D.</b> Associate Professor The University of Michigan, USA	<b>Chao-Wu Yu, Ph.D.</b> Assistant Professor National Taiwan University, Taiwan
09:40~10:10	<b>Genomics Accelerated Discovery and Biosynthesis of Microbial Natural Products</b>	<b>Kou-San Ju, Ph.D.</b> Assistant Professor The Ohio State University, USA	
10:10~10:30	Coffee Break		
10:30~11:00	<b>Chemical Synthesis of Membrane Protein</b>	<b>Takeshi Sato, Ph.D.</b> Professor Kyoto Pharmaceutical University, Japan	<b>Chao-Wu Yu, Ph.D.</b> Assistant Professor National Taiwan University, Taiwan
11:00~11:30	<b>Serotonin-mediated Hyperalgesia and Discovery of First-in-class Analgesics</b>	<b>Ling-Wei Hsin, Ph.D.</b> Associate Professor National Taiwan University, Taiwan	
11:30~13:00	Lunch		
13:00~13:30	<b>Dual Targeting of STING and PI3Ky Eliminates Regulatory B Cells to Overcome STING Resistance for Pancreatic Cancer Immunotherapy.</b>	<b>Duxin Sun, Ph.D.</b> Associate Dean for Research The University of Michigan, USA	<b>Chia-Ron Yang, Ph.D.</b> Professor National Taiwan University, Taiwan
13:30~14:00	<b>Reverse Translational Approaches to Understand Mechanisms of Chemotherapy-Induced Peripheral Neuropathy.</b>	<b>Deanna L. Kroetz, Ph.D.</b> Dean and Professor The Ohio State University, USA	
14:00~14:30	<b>Translational Pharmacokinetic-pharmacodynamic/toxicodynamic modeling and Simulation in Cancer Chemotherapy for Optimal Dose and Schedule</b>	<b>Shinji Kobuchi, Ph.D.</b> Assistant Professor Kyoto Pharmaceutical University, Japan	
14:30~15:00	<b>Differential Roles of the Equilibrative Nucleoside Transporter 2 in Regulating the Pathogenesis of Brain Diseases</b>	<b>Chun-Jung Lin, Ph.D.</b> Dean and Professor National Taiwan University, Taiwan	
15:00~15:20	Coffee Break		
15:20~15:50	<b>Implications of Policies to Improve Medication Use Among Older Adults</b>	<b>Antoinette Coe, Pharm.D., Ph.D.</b> Assistant Professor The University of Michigan, USA	<b>Shu-Wen "Wendy" Lin, Pharm.D.M.S.,</b> Associate Professor National Taiwan University, Taiwan Director, Department of Pharmacy, National Taiwan University Cancer Center
15:50~16:20	<b>Clinical Outcomes and Safety of Discontinuing Long-Term Opioid Therapy in ADRD</b>	<b>Yu-Jung "Jenny" Wei, Ph.D.</b> Associate Professor The Ohio State University, USA	
16:20~16:50	<b>Drug Delivery for Refractory Cancer Therapy Using Serum Albumin</b>	<b>Yu Ishima, Ph.D.</b> Professor Kyoto Pharmaceutical University, Japan	
16:50~17:20	<b>Maternal Benzodiazepine or Z-hypnotic use and Adverse</b>	<b>Fei-Yuan Hsiao, Ph.D.</b> Professor National Taiwan University, Taiwan	
17:20~17:40	Conclusion Remarks		
17:40~	Dinner (NTU Faculty and Guests)		

#### 四、活動照片和影片

##### ● 照片



圖一：2024 年藥學專業學院研究日暨國際學術交流研討會大合照



圖二：2024 年藥學專業學院研究日暨國際學術交流研討會-本屆與會貴賓及專題演講學者於藥學專業學院大門口合照





圖三：2024 年藥學專業學院研究日暨國際學術交流研討會-學生壁報論文展演會場



圖四：2024 年藥學專業學院研究日暨國際學術交流研討會-學生壁報論文展演會場



圖五：2024 年藥學專業學院研究日暨國際學術交流研討會-學生與國外專家學者圓桌會議討論



圖六：2024 年藥學專業學院研究日暨國際學術交流研討會-學生口頭論文演講



圖七：2024 年藥學專業學院研究日暨國際學術交流研討會-邀請國外專家學者專題演講



圖八：2024 年藥學專業學院研究日暨國際學術交流研討會-邀請國外專家學者專題演講



圖九：2024年藥學專業學院研究日暨國際學術交流研討會-國外專家學者專題演講並贈予感謝狀



圖十：2024年藥學專業學院研究日暨國際學術交流研討會-頒發學生優秀論文獎