

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	第二十九屆細菌學研討會
英文名稱	The 29 <sup>th</sup> Conference on Bacteriology
中文摘要報告	<p>第二十九屆細菌學研討會於 2025 年 7 月 31 日至 8 月 2 日假國立臺灣大學公共衛生學院舉行，會議圓滿落幕。今年共有來自國內外細菌學相關領域的實驗室主持人約 60 位，連同研究人員與學生等共計 241 位來賓一同參與。大會邀請 16 位主講人（其中 2 位為海外講者），為期三天的會議內容緊湊扎實，主題涵蓋：植物病原交互作用、微生物生態與演化、人類傳染病致病機制、微生物訊號偵測與反應、菌間交互作用與衝突、以及跨界對話：微生物對宿主功能的影響等六大領域。特別值得一提的是，中研院生化所所長呂桐睿博士擔任 Keynote Lecture，以精彩演講引領與會者探索細菌醣類的生物合成與功能研究，獲得與會學者熱烈回應。</p> <p>本次研討會同時舉辦 國科會微免及檢驗醫學學門規劃研究推動計畫研究成果發表會，提供最新研究方向與資源分享，讓與會者掌握未來研究趨勢。</p> <p>在 Poster Session 部分，共收到 88 篇投稿，涵蓋 基礎微生物、動植物相關微生物、環境微生物、臨床微生物與應用微生物五大領域。展演期間會場熱鬧非凡，學生與老師積極互動，不僅就研究內容深入討論，更跨領域交流實驗經驗與未來合作的可能性。經專家評選，共有 11 篇優秀作品獲獎，充分展現青年學者的研究潛力與創新思維。</p> <p>整體而言，本屆研討會延續往年精神，並更加凸顯「跨領域連結與知識交流」的核心價值。無論是專題演講、成果發表，或是壁報討論，皆展現了國內外細菌學界的研究能量與熱情。多位與會者回饋表示獲益良多，不僅更新了學術視野，也激發新的研究合作方向。研討會至今已傳承 29 年，本屆成果再次驗證其在台灣細菌學研究推動上的重要角色，未來將持續作為學術交流的重要平台，為細菌學領域的長遠發展奠定穩固基礎。</p>
英文摘要報告	<p>The 29th Conference on Bacteriology was successfully held at the College of Public Health, National Taiwan University, from July 31 to August 2, 2025. This year, the conference brought together approximately 60 principal investigators in bacteriology, along with researchers and students, totaling 241 participants. Sixteen invited speakers, including two from overseas, contributed to a three-day program filled with rigorous and insightful discussions. The scientific agenda covered six major themes: Molecular Plant-Pathogen Interactions, Microbial Ecology and Evolution, Host-Pathogen Interactions in Human Infectious Diseases, Innovative Approaches to Microbial Signal Detection and Response, Microbial Interactions and Conflict, and Transkingdom Dialogues:</p>

Microbial Influence on Host Function. A highlight of the meeting was the Keynote Lecture by Dr. Todd L. Lowary, Director of the Institute of Biological Chemistry, Academia Sinica, who presented cutting-edge research on the biosynthesis and function of bacterial glycans, stimulating lively discussions among participants.

In addition, the conference featured a session organized by the NSTC Division of Immunology and Clinical Microbiology to share research outcomes and future funding opportunities, allowing attendees to better grasp emerging directions in the field.

The Poster Sessions received 88 submissions spanning five fields—Basic Microbiology, Plant and Zoonotic Microbiology, Environmental Microbiology, Clinical Microbiology, and Applied Microbiology. The sessions were vibrant and interactive, with students and faculty engaging in in-depth discussions and cross-disciplinary exchanges. Eleven outstanding works were selected by expert reviewers, showcasing the creativity and potential of young researchers.

Overall, the 29th Conference continued the tradition of fostering collaboration while further emphasizing the core value of “cross-disciplinary connection and knowledge exchange.” From keynote lectures and oral presentations to poster sessions, the conference demonstrated the strong research energy and enthusiasm of the bacteriology community. Participants widely reported that they benefited greatly, gaining not only new academic perspectives but also inspiration for future collaborations. As the conference marks its 29th year, it has once again reaffirmed its role as an essential platform for advancing bacteriological research in Taiwan, laying a solid foundation for sustainable growth in the years to come.

#### 研討(習)會目的

臺灣細菌學研討會自 1996 年創辦以來，已成為國內微生物學領域極具代表性的年度學術盛會。其起源可追溯至長庚大學劉世東教授、成功大學吳俊忠教授及中興大學張邦彥教授共同發起的「枯草桿菌研討會」，當時僅有六個實驗室參與，卻因熱烈的討論與豐碩的收穫，逐漸吸引更多研究者加入。隨著研究範疇拓展至細菌致病機制等多元領域，自 2001 年起更名為「細菌學研討會」，並由全臺各大專院校及研究機構輪流主辦，至今已歷經二十九屆，持續推動國內細菌學研究與學術社群的成長。

2024 年第二十八屆研討會由成功大學主辦，議題涵蓋益生菌與腸道菌相、生物地質化學循環、合成生物學、環境與植物細菌學、醫學細菌學及病原菌與宿主交互作用等前沿主題，廣受好評，不僅深化了跨領域的交流，也吸引年輕學者與學生踴躍參與，展現臺灣細菌學研究持續蓬勃發展的動能。

2025 年第二十九屆研討會由國立臺灣大學醫學院微生物學研究所承辦，並假公共衛生學院舉行。延續過往的優良傳統，本屆會議旨在進一步拓展交流的深度與廣度，具體目標包括：

1. **促進前沿研究交流**：邀請國內外專家學者分享最新研究成果，涵蓋微生物生態、致病機制、抗生素耐受性、食品與環境微生物、腸道菌群與健康等領域。
2. **強化跨領域合作與應用**：鼓勵不同學科背景的研究者交流，促進細菌學在醫學、農業、工業與環境科學上的應用，並為產學合作奠定基礎。
3. **培育青年學者**：透過海報發表、口頭報告及互動討論，提供博士後、研究生及年輕學者展現研究成果的平台，提升研究能力與國際視野。
4. **提升國際連結**：邀請國際知名學者參與，促進國際合作與經驗分享，推動臺灣細菌學與全球學術發展接軌。
5. **深化社會影響**：探討細菌學研究如何應用於疾病防治、公共衛生、環境保護及生技產業，提升社會對微生物學的理解與支持。

第二十九屆細菌學研討會將承襲近三十年的發展成果，並融入最新研究趨勢與科技應用，期盼為與會者帶來豐富的啟發與收穫，同時繼續鞏固其作為國內細菌學研究年度重點平台的重要地位。

參加對象(含人數)

本研討會邀請國內外生命科學及醫學相關領域之大專院校、研究機構與臨床單位的研究人員，以細菌為研究主題進行專題演講，並開放壁報展演供與會之研究者與年輕學者參與。參與對象涵蓋博士後研究員、博碩士研究生和大學生，以及研究助理與業界相關人士。今年會議共計有 241 位來賓，其中包含 16 位主講人（2 位為海外講者）、60 位細菌學相關領域實驗室主持人，其餘則為研究人員與學生。整體參與人員結構多元，充分展現細菌學研究在國內外學術界的廣泛影響力，並提供一個跨世代、跨領域交流的重要平台。

預期效益達成狀況

1. **學術交流深化**：本研討會成功邀請 16 位主講人（含 2 位海外學者）分享最新研究成果，議程涵蓋植物病原、醫學細菌學、環境微生物及宿主交互作用等六大主題。會議中各場次均引發熱烈討論，與會者普遍回饋獲益良多，充分達成促進國內外學者交流與合作之目標。
2. **人才培育與知識傳承**：本屆共有 88 篇壁報投稿，涵蓋五大研究領域，吸引眾多博士後研究員、研究生及大學生踴躍參與。展演過程中，學生與專家積極互動，不僅提升年輕學者的研究能量，也促進不同世代之間的學術傳承。經專家評選的 11 篇優秀作品，更彰顯新生代研究者的潛力。

3. **跨領域與產學合作契機**：會議匯聚來自醫學、農業、環境與基礎科學領域的研究者，彼此交流研究方法與應用面向，拓展跨領域合作的可能性，並為未來產學合作建立良好基礎。
4. **國際連結與影響力提升**：海外講者的參與，促成與國際知名研究團隊的互動，並擴展臺灣細菌學研究與國際接軌的機會。Keynote Lecture 更提升本研討會的學術高度，增強國際能見度。
5. **社會與公共價值**：部分研究議題涉及人類健康、疾病防治與環境永續，對臨床醫療、公共衛生及農業生技產業具潛在應用價值，有助於提升社會對細菌學研究之重視與支持。

綜合而言，本研討會不僅延續過往的優良傳統，更在學術交流、人才培育與國際合作等層面均達成預期目標，成效卓著。

## 二、邀請主講人姓名及學經歷

7/31 講者名單			
講者姓名	學歷	經歷	現任
鄭秋萍	Ph.D., Plant Biological Sciences Program, University of Minnesota, U. S. A.	<ul style="list-style-type: none"> <li>● 2009 Associate Professor, Institute of Plant Biology, National Taiwan University, Taiwan, R.O.C.</li> <li>● 2006 Assistant Professor, Institute of Plant Biology, National Taiwan University, Taiwan, R.O.C.</li> <li>● 1999 Assistant research fellow, Institute of BioAgricultural Sciences, Preparatory Office, Academia Sinica, Taiwan, R.O.C.</li> <li>● 1996–98 Postdoctoral research fellow, Department of Biology, Purdue University, U. S. A.</li> </ul>	Director, Institute of Plant Biology, National Taiwan University, Taiwan, R.O.C.  Professor, Institute of Plant Biology, National Taiwan University, Taiwan
朱家慶	美國伊利諾大學香檳分校作物科學系 (University of Illinois at Urbana-Champaign, Department of Crop Sciences) 博士	<ul style="list-style-type: none"> <li>● 2017-2022 國立中興大學 植物病理學系 助理教授</li> <li>● 2015-2016 美國佛羅里達大學柑橘類植物研究中心 (Citrus Research and Education Center, University of Florida) 博士後研究員</li> <li>● 2009-2010 動植物防疫檢疫局基隆分局蘇澳檢疫站 技士</li> </ul>	國立中興大學 植物病理學系 副教授
朱修安	Ph.D. in Biochemistry, University of	<ul style="list-style-type: none"> <li>● 2010–2015   Associate Research Fellow, Academia Sinica, Institute of Plant and Microbial Biology</li> </ul>	Associate Research Fellow (Tenured), Academia Sinica,

	California, Riverside, USA.	<p>(IPMB), Taiwan</p> <ul style="list-style-type: none"> <li>● Dec 2001 –2010   Assistant Research Fellow, Academia Sinica, Institute of Plant and Microbial Biology (IPMB), Taiwan</li> <li>● 1995 – 2001   Postdoctoral Research Fellow, Department of Chemistry, Michigan State University, East Lansing, USA. Advisor: Late Professor Gerald T. Babcock.</li> <li>● 1995   Postdoctoral Research Fellow, Department of Biochemistry, University of California, Riverside, USA. Advisor: Professor Richard J. Debus.</li> </ul>	Institute of Plant and Microbial Biology (IPMB), Taiwan
楊珊樺	Ph.D., TIGP-MBAS, Academia Sinica/Graduate Institute of Biotechnology, National Chung Hsing University, Taiwan	<ul style="list-style-type: none"> <li>● Aug 2019 - July 2023: Assistant Professor, Institute of Fisheries Science, National Taiwan University, Taiwan</li> <li>● Aug 2018 - July 2019: Assistant researcher, Department of Life Science, Tunghai University, Taiwan</li> </ul>	Associate Professor, Institute of Fisheries Science, National Taiwan University, Taiwan
倪衍玄	M.D., and Ph.D., College of Medicine, National Taiwan University	<ul style="list-style-type: none"> <li>● President, Taiwan Pediatric Association (2023-2026)</li> <li>● President, Taiwan Association of Medical Education (2019-2025)</li> <li>● President, Taiwan Medical Association (2019-2022)</li> <li>● President, Taiwan Society of Parenteral and Enteral Nutrition (2019-2023)</li> <li>● President, Taiwan Society of Pediatric Gastroenterology, Hepatology, and Nutrition (2010-2013)</li> <li>● President, Asian Pan Pacific Society of Pediatric Gastroenterology, Hepatology and Nutrition (2012-2013)</li> <li>● Congress President, 4th World Congress of Pediatric</li> </ul>	Distinguished Professor of Pediatrics, Dean, College of Medicine, National Taiwan University, Taiwan

		<p>Gastroenterology, Hepatology, and Nutrition (2012)</p> <ul style="list-style-type: none"> <li>● Postdoc Research Fellow, GI division, Department of Internal Medicine, University of Connecticut Health Center, Connecticut, USA</li> </ul>	
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蔡雨寰	<p>Ph.D, B3MI doctoral school, University Paris 7, France. (Pasteur-Paris University International doctoral program) Institut Pasteur, Biology of infection unit, INSERM U1117</p>	<ul style="list-style-type: none"> <li>● 2024-present Assistant professor, Laboratory of Host-microbe interactions and cell dynamics, Department of Medical Biotechnology and Laboratory Science, Chang Gung University (Principal investigator), Taoyuan, Taiwan</li> <li>● 2021-2024 Assistant professor, Laboratory of Host-microbe interactions and cell dynamics, Institute of Microbiology and Immunology, National Yang Ming Chiao Tung University (Principal investigator), Taipei, Taiwan</li> <li>● 2018-2021 Assistant professor, Laboratory of Host-microbe interactions and cell dynamics, Institute of Microbiology and Immunology, National Yang-Ming University (Principal investigator), Taipei, Taiwan</li> <li>● 2017-2018 Postdoctoral research scholar, Laboratory of Human Immunology and Infectious Diseases Graduate Institute of Clinical Medical Sciences, Chang Gung University (Cheng-Lung Ku, PhD), Taoyuan, Taiwan</li> <li>● 2015-2017 Postdoctoral fellow, Department of Medical</li> </ul>	<p>Assistant professor, Laboratory of Host-microbe interactions and cell dynamics, Department of Medical Biotechnology and Laboratory Science, Chang Gung University, Taiwan</p>

		<p>Biotechnology and Laboratory Science, Chang Gung University (Hsin-Chih Lai, PhD), Taoyuan, Taiwan</p> <ul style="list-style-type: none"> <li>● 2014 09-12 Postdoctoral fellow, Institut Pasteur,</li> </ul>	
吳師誠	Ph.D., Institute of Bioinformatics and Structural Biology, National Tsing-Hua University	<ul style="list-style-type: none"> <li>● 2022-present Assistant professor, Department of Clinical Laboratory Sciences and Medical Biotechnology, College of Medicine, National Taiwan University</li> <li>● 2012-2022 Postdoctoral fellow, National Health Research Institutes, Taiwan</li> </ul>	Assistant professor, Department of Clinical Laboratory Sciences and Medical Biotechnology, College of Medicine, National Taiwan University, Taiwan
林妙霞	Doctoral degree, Biochemical Science, National Taiwan University, Taiwan	<ul style="list-style-type: none"> <li>● 2018-2020, Research Scholar, Institute of Chemistry, Academia Sinica, Taiwan</li> <li>● 2016-2018, Postdoctoral fellow, Utrecht University, the Netherlands</li> <li>● 2014-2016, Postdoctoral fellow, Institute of Chemistry, Academia Sinica, Taiwan</li> <li>● 2012-2014, JSPS Postdoctoral Scholarship, Kyoto University, Japan</li> <li>● 2010-2012, Postdoctoral fellow, Institute of Biological Chemistry, Academia Sinica, Taiwan</li> </ul>	Assistant professor, Institute of Microbiology, College of Medicine, National Taiwan University, Taiwan
蕭傑恒	PhD (Microbiology), The University of Hong Kong	<ul style="list-style-type: none"> <li>● 2023-now Professor, Department of Health Technology &amp; Informatics, Faculty of Health &amp; Social Sciences, The Hong Kong</li> <li>● 2021-now Polytechnic University Limin Endowed Young Scholar in Medical Laboratory Science, The Hong Kong Polytechnic University</li> <li>● 2019-2023 Associate Professor, Department of Health Technology &amp; Informatics, Faculty of Health &amp; Social Sciences, The Hong Kong Polytechnic University</li> </ul>	Professor, Department of Health Technology & Informatics, Faculty of Health & Social Sciences, The Hong Kong Polytechnic University, Hong Kong, China

許紹君	Ph.D., Institute of Biochemistry and Molecular Biology, National Yang-Ming University, Taiwan	<ul style="list-style-type: none"> <li>● From 05.2021, Assistant research expert / Imaging Core Lab</li> <li>● Manager, Branch office of research and development, College of Medicine, National Taiwan University, Taiwan</li> <li>● Molecular imaging consortium, Office of research and development, National Taiwan University, Taiwan</li> <li>● 09.2014 - 05.2021, Research Scientist at Imaging Core Lab, Institute of Cellular and Organismic Biology, Academia Sinica, Taiwan</li> <li>● 09.2013 - 08.2014 Postdoc at Imaging Core Lab, Institute of Cellular and Organismic Biology, Academia Sinica, Taiwan</li> <li>● 02.2004 - 07.2006, Application Specialist, Taiwan Instrument Co., Ltd. (Carl Zeiss Exclusive Representative)</li> <li>● 08.2003 - 01.2004, Application Specialist, Bio-Stem Co., Ltd.</li> </ul>	Assistant research expert/ Imaging Core Lab Manager, National Taiwan University, Taiwan
呂桐睿 Todd L. Lowary	Ph.D., Chemistry, University of Alberta, Edmonton, AB, Canada	<ul style="list-style-type: none"> <li>● 2019–Present, Distinguished Research Fellow, Academia Sinica, Taiwan</li> <li>● 2015–2021, R. U. Lemieux Chair in Carbohydrate Chemistry, Canada</li> <li>● 2014–2019, Canada Research Chair in Carbohydrate Chemistry (Tier 1), Canada</li> <li>● 2006–2021, Professor, University of Alberta, Canada</li> <li>● 2003–2006, Associate Professor, University of Alberta, Canada</li> <li>● 2002–2003, Associate Professor, The Ohio State University, USA</li> <li>● 1996–2002, Assistant Professor, The Ohio State University, USA</li> <li>● 1995–1996, Postdoctoral Fellow, Carlsberg Laboratory, Denmark</li> <li>● 1993–1995, Postdoctoral Fellow,</li> </ul>	Distinguished Research Fellow, Academia Sinica, Taiwan

		Department of Chemistry, University of Alberta, Canada	
Yuan Qiao	Chemical Biology graduate program at Harvard University, U.S.	<ul style="list-style-type: none"> <li>● Nov. 2019 – present Assistant Professor, Nanyang Technological University (NTU), Singapore</li> <li>● Sep. 2017 – Oct. 2019 Research Fellow, Institute of Molecular and Cell Biology (IMCB), A*STAR, Singapore (PI: Prof. Yue Wang)</li> <li>● Sep. 2016 – Aug. 2017 Scientist I, Metabolic Engineering and Research Lab (MERL), A*STAR, Singapore (PIs: Prof. Huimin Zhao &amp; Dr. Ee Lui Ang)</li> <li>● Sep. 2010 – Aug. 2011 Lab Officer, Institute of Nanotechnology and Bioengineering (IBN), A*STAR, Singapore (PI: Dr. Yiyang Yang)</li> </ul>	Assistant Professor, Nanyang Technological University, Singapore
陳詩允	Ph. D., Biochemistry, University of Wisconsin- Madison, U.S.	<ul style="list-style-type: none"> <li>● 2010-2011 Institute of Molecular Biology, Academia Sinica, Taiwan</li> <li>● 2017-2021 Department of Microbiology, University of Washington, U.S.</li> </ul>	Assistant Research Fellow, Institute of Molecular Biology, Academia Sinica, Taiwan
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吳偉立	Ph.D., National Defense Medical Center, Taiwan	<ul style="list-style-type: none"> <li>● 2023/02- now Associate Professor, Department of Physiology, College of Medicine, NCKU, Taiwan</li> <li>● 2018/08-2023/01 Assistant Professor, Department of Physiology, College of Medicine, NCKU, Taiwan</li> <li>● 2018/08-2021/07 Visiting Associate, Division of Biology and Biological Engineering, California Institute of Technology, USA</li> <li>● 2012/02-2018/07 Postdoc, Division of Biology and Biological Engineering, California Institute of Technology, USA</li> <li>● 2011/02-2012/01 Postdoc, Institute of Biomedical Sciences, Academia</li> </ul>	Associate Professor, Department of Physiology, College of Medicine, National Cheng Kung University, Taiwan

		<p>Sinica, Taiwan</p> <ul style="list-style-type: none"> <li>● 2003/08-2004/07 Research Assistant, Division of Metabolism, Chang-Gung Memorial Hospital, Taiwan</li> </ul>	
林建達	<p>Ph.D., Molecular Pathology and Immunology, Rutgers Biomedical and Health Sciences- New Jersey Medical School, Newark, NJ, U.S.A</p>	<ul style="list-style-type: none"> <li>● 2021 to Present Assistant Professor, Department of Biochemical Science and Technology (BST), National Taiwan University</li> <li>● 2020-2021 Staff Scientist, National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Health (NIH)</li> <li>● 2016-2020 Post Doc Fellow, Department of Microbiology, NYU School of Medicine - New York, NY, U.S.A.</li> </ul>	<p>Assistant Professor, Department of Biochemical Science and Technology (BST), National Taiwan University, Taiwan</p>
吳偉愷	<p>Ph.D., Institute of Food Science and Technology, National Taiwan University</p>	<ul style="list-style-type: none"> <li>● 2024 – Present: Joint Appointment Attending Physician, Department of Medical Research, NTUH</li> <li>● 2024 – Present: Joint Appointment Assistant Professor, Institute of Food Science and Technology, National Taiwan University</li> <li>● 2024 – Present: Joint Appointment Assistant Professor, Institute of Biotechnology, National Taiwan University</li> <li>● 2021 – Present: Adjunct Attending Physician, Division of Hepatology &amp; Gastroenterology, Department of Internal Medicine, National Taiwan University Hospital Cancer Center</li> <li>● 2022 – 2024: Adjunct Assistant Professor, National Taiwan University College of Medicine</li> </ul>	<p>Assistant Professor, Bachelor Program of Biotechnology and Food Nutrition, National Taiwan University, Taiwan</p>

### 三、議程

7 月 31 日 (四)		
時間	議程	
	議程講者	議程講題
11:50-13:20	註冊報到	

13:20-13:30	<b>開幕式</b>	
13:30-14:00	<b>Molecular Plant-Pathogen Interactions</b>	
	鄭秋萍	The effector protein RipBJ of <i>Ralstonia solanacearum</i> , the causal pathogen of plant bacterial wilt, interacts with plant ROS homeostasis enzymes to modulate host responses.
14:00-14:30	<b>Microbial Ecology and Evolution</b>	
	朱家慶	Investigation on the ecology of 'Candidatus Liberibacter' species in native psyllid species of Taiwan.
14:30-15:00	朱修安	Genomic insights into the evolution, physiology and adaptation of Taiwan's hot-spring cyanobacteria.
15:00-15:30	楊珊樺	Microbial induced carbonate precipitation in peritidal microbialites: the influence of salinity, pH, and nitrogen utilization.
15:30-15:40	<b>大會留影紀念</b>	
15:40-17:30	<b>海報展示 I / Happy hour</b>	
17:30-18:30	<b>國科會微免及檢驗醫學學門規劃研究推動計畫研究成果發表會：計畫申請說明暨研究成果分享(I)</b>	
	倪衍玄	From dysbiosis to microbiome-based therapeutics.
18:30-	<b>教師交流 / PI meeting</b>	

8 月 01 日 (五)		
時間	<b>議程</b>	
	議程講者	議程講題
09:00-09:30	<b>Host-Pathogen Interactions in Human Infectious Diseases</b>	
	蔡雨寰	Decoding human listeriosis from a reverse translational approach.
09:30-10:00	吳師誠	Remote humoral immune regulation driven by local enteric infection.
10:00-10:30	<b>Innovative Approaches to Microbial Signal Detection and Response</b>	
	林妙霞	Exploiting the mass spectrometry-based proteomic toolkit to study signaling dynamics in bacteria.
10:30-11:00	<b>茶點時間</b>	
11:00-11:30	蕭傑恒	Application of whole genome sequencing in diagnosis of infectious diseases and infection control – COVID-19 and beyond.
11:30-12:00	<b>國科會微免及檢驗醫學學門規劃研究推動計畫研究成果發表會：計畫申請說明暨研究成果分享(II)</b>	
	許紹君	Advanced optical imaging techniques for microbiological research.

12:00-13:30	午餐   前沿研究技術推廣	
13:30-15:30	海報展示 II	
15:30-16:30	<b>Keynote Lecture</b>	
	呂桐睿 Todd L. Lowary	Synthetic probes of bacterial glycan biosynthesis and function.
16:30-17:00	<b>Microbial Interactions and Conflict</b>	
	Yuan Qiao	<i>Candida albicans</i> Ssy1 is the extracellular sensor of gut bacteria-derived peptidoglycan fragments that regulates its invasive growth in hosts.
17:00-17:30	陳詩允	Close-quarters combat - the molecular basis of interbacterial antagonism.
17:30-	自由活動	

8 月 02 日 (六)		
時間	議程	
	議程講者	議程講題
09:00-09:30	<b>Transkingdom Dialogues: Microbial Influence on Host Function</b>	
	吳偉立	Harnessing <i>Enterococcus faecalis</i> to regulate stress-induced gut dysmotility.
09:30-10:00	林建達	Elucidating transkingdom interactions in host immune responses.
10:00-10:30	吳偉愷	Identifying heart-broken bugs for personalized nutrition.
10:30-11:00	茶點時間	
11:00-12:00	主辦單位交接 / 閉幕式	
12:00-	賦歸	

#### 四、活動照片和影片

- 照片(至少 10 張，請填寫照片說明)



圖一、本照片攝於研討會報到現場。參與者於會場入口處依序完成簽到、資料填寫及身分確認等程序。畫面中可見多位與會者在長桌前專心辦理手續，並有工作人員提供協助，整體流程呈現秩序井然的氛圍。



圖二、現場發放了第 29 屆細菌學研討會主題設計的圓領衫與帆布袋，許多與會者讚賞其創新與前瞻設計，充分體現研討會交流、激盪與影響力的精神。



圖三、台灣微生物學會理事長薛博仁教授於現場致詞，表達對研討會順利舉行的祝福，並勉勵年輕學子持續精進與投入研究。



圖四、本場主講呂桐睿博士以精采的演講帶領大家深入了解細菌多醣的生成與功能研究。全場與會者全神貫注，演講結束後提問與討論熱烈，現場氛圍高潮迭起，展示了呂桐睿博士的專業與學術風采。



圖五、海外講者 Yuan Qiao 博士來自新加坡南洋理工大學，帶來與 Microbial Interactions and Conflict 的相關演講。講座內容深入淺出，涵蓋最新研究發現與實驗洞察，吸引了與會者的高度關注與熱烈討論，現場反應熱烈，充分展現其學術魅力與專業深度。



圖六、每場演講結束後的問答時間提供了與會者與講者面對面交流的機會，不僅促進知識互惠，也可能激發新的構想與合作契機，實現學術互動的目標。



圖七、研討會共有兩場壁報論文展示時間，目的不僅培養學生的表達技巧，也提供來自不同專業的學者自由討論的平台。大家互相分享觀點、激發創意思維，甚至結識志趣相投的夥伴，收穫滿滿。



圖八、壁報討論提供與會者與各界專家、研究生面對面交流的機會，來自海內外的學生與學者匯聚一堂，碰撞出豐富的學術火花，激發無限創意與討論熱度。



圖九、會議結束前公布優秀壁報論文獎得主：所有的壁報論文經評選後頒發獎狀，以表彰優秀成果，鼓勵更多年輕學者投入細菌學研究，成為研討會中的重要亮點。



圖十、在臺灣微生物學會理事長薛博仁教授的主持下，本屆細菌學研討會由國立臺灣大學醫學院微生物學研究所張書蓉老師，將主辦工作順利交接予下一屆主辦單位——義守大學，由國立嘉義大學陳義元老師代表洪志勳老師接受。與會師生共同見證交接儀式，並期盼明年度研討會能延續傳統、更加精采可期。

- 影片(1-2分鐘精華短片，請上傳至結案報告專區，並提供檔案名稱