

# 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	2025 ISOMRM 第七屆「臺灣國際再生醫學材料應用研討會」暨「中華民國生醫材料及藥物制放年會」暨「國泰綜合醫院國際再生醫學研討會」暨「第一屆生醫產業跨域交流博覽會」
英文名稱	2025 ISOMRM: The 7th International Symposium of Materials for Regenerative Medicine, the Annual Meeting of Biomaterials and Controlled Releases Society in Taiwan, the Cathay General Hospital International Regenerative Medicine Conference, and the 1st Biomed
中文摘要報告	<p>第七屆「臺灣國際再生醫學材料應用研討會」於桃園會展中心聯合舉辦，由國立中央大學、中華民國生醫材料與藥物制放學會、國泰綜合醫院、國家衛生研究院、桃園市政府、新竹生醫產業及育成中心等單位共同主辦，並結合工研院 BIOMED、學會年會以及國泰國際再生醫學研討會，形成學術與產業雙引擎，全面展現台灣在再生醫學、生醫材料與精準醫療領域的能量。</p> <p>研討會邀集來自美、日、韓、德、印度及東南亞等地共 20 位重量級講員及 55 位優異國內講員，並於每一主題分場會議中安排產業講員，以促進產學對話，加速應用落地。議題除再生醫學材料外，亦涵蓋智慧醫材、藥物制放、組織工程與 AI 精準醫療，強化</p>

跨國、跨域研究交流。

大會除舉辦「年輕學者獎」、「口頭/壁報論文競賽」，更首創同期舉辦科普性質闖關活動「跨域生醫挑戰賽」，吸引學研人才、高中學子及一般民眾參與，促進人才培育與大眾科普。

展會則由工研院生醫所主導媒合，匯聚逾 120 家企業夥伴參與，打造全台首創的大型生醫新創媒合平台。聚焦新創產業的六大需求：臨床驗證、技術加值、創投資金、CDMO 製造服務、育成加速與國際通路。並促成百餘場一對一媒合。另舉辦新創 PITCH 競賽，鏈結國際資源，協助團隊加速落地。

本次活動成功凝聚跨域能量，展現臺灣再生醫學與生醫材料發展的新動能。

英文摘要報告

2025 ISOMRM: The 7th International Symposium of Materials for Regenerative Medicine was held at the Messe Taoyuan, jointly organized by National Central University, the Taiwan Society for Biomaterials and Controlled Release, Cathay General Hospital, the National Health Research Institutes, Taoyuan Government, and the Hsinchu Biomedical Science Park Incubation Center, in collaboration with ITRI BIOMED, the BCRS annual meeting, and the Cathay International Regenerative Medicine Symposium. This unique integration of academia and industry highlighted Taiwan's strengths in

regenerative medicine, biomaterials, and precision healthcare.

The symposium brought together 20 distinguished international speakers from the United States, Japan, Korea, Germany, India, and Southeast Asia, along with 55 outstanding domestic experts. Each thematic session also featured industry speakers, covering topics such as regenerative biomaterials, smart medical devices, drug delivery, tissue engineering, and AI-powered precision medicine, fostering cross-national and interdisciplinary research exchange.

In addition to the Young Investigator Award and oral/poster competitions, the symposium launched the inaugural public engagement event, the Biomedical Challenge, attracting young researchers, high school students, and the general public to enhance both talent cultivation and science communication.

The exhibition, led by ITRI's Biomedical Technology and Device Research Laboratories, served as a pioneering large-scale matchmaking platform for biomedical startups in Taiwan, bringing together more than 120 corporate partners. It focused on six key needs of emerging biomedical enterprises: clinical validation, technology enhancement, venture capital, CDMO

	<p>manufacturing services, incubation and acceleration, and international market access. Over 100 one-on-one matchmaking were facilitated, alongside a startup pitch competition that connected teams with global resources to accelerate commercialization.</p> <p>This event successfully fostered cross-disciplinary synergy and showcased Taiwan' s new momentum in regenerative medicine and biomaterials development.</p>
<p>研討(習)會目的</p>	<p>本研討會自 2010 年由國家衛生研究院首度舉辦以來，已成為臺灣在再生醫學與生醫材料領域最具代表性的國際學術會議之一。歷屆均成功促進國內外學術交流，並大幅提升臺灣在該領域的國際能見度。為延續其良好成果，使臺灣成為國際再生醫學與生醫材料重鎮，提升我國研究人員表現及研究影響力，本屆研討會以為「前瞻醫療科技與材料」主題，以「跨域交流、前瞻應用」為核心精神，目標在於：1. 傳承與創新 2. 研發鏈結產業 3. 跨域深化交流，促進再生醫學材料及相關生醫領域的跨學科合作與國際接軌。</p> <p>本屆全程以產學共榮之概念籌備，期望藉由研討會、展會雙軌、雙引擎的合辦強化吸引力，推動國際交流、臨床轉譯與產業合作，並拓展教育扎根的社會效益，全面展現台灣於國際生醫舞台的實力與影響力。</p>
<p>參加對象(含人數)</p>	<p>研討會共 550 人；展會共 650 人</p>

	<p>國內外醫學工程、材料、化工、醫學、藥學及生物科技等相關領域之學者、研究人員、醫師、師生及相關從業人員</p>
預期效益達成狀況	<p>1. 促進國際交流與提升臺灣能見度：</p> <p>本屆大會於 2025 年 8 月 6 日至 9 日假桃園會展中心成功舉行，共吸引逾 <b>1200 名與會者</b>，包含 <b>23 位國際學者</b>及<b>超過 80 名國外師生</b>，超過原先預期的 600-800 人，成功向國際展示臺灣在生醫材料、組織工程、醫學工程、精準醫學與再生醫學的研究能量，並提升國際學術地位及知名度。</p> <p>2. 促進國際學術交流與合作</p> <p>會議邀集國內外多位重量級講員，並吸引來自泛生醫領域官產學研醫等師生及從業者，透過研討會安排之產業講員及展會安排之產學論壇促進交流與對話，確立多項國際間學術合作意向，並提供我國學者、產業專家與國外專家學者面對面互動的機會，實質拓展了研發視野，獲取創新思路並建構了國際網絡。</p> <p>3. 產學合作與新創加速</p> <p>博覽會聚集 <b>120 家新創及產業夥伴</b>，設置媒合洽談及淘金 PITCH 競賽。會中成功促成 20 餘案簽約，並有多案持續洽談，加速新創團隊技術轉化與市場落地。</p> <p>4. 人才培育與教育扎根</p> <p>大會設置 YICA、口頭與海報論文競賽，以及跨域生醫挑戰賽等活動，培育青年學者、啟蒙未來學子，增進對生醫科學的實務能力及</p>

興趣。

## 5. 文化與觀光效益

活動期間安排社交晚宴、交流茶會及文化參訪，增進與會者對台灣文化與科研環境之認識，達成預期提升國際形象及推廣觀光之附加效益。

## 二、邀請主講人姓名及學經歷：

標示\*\*者為使用生推中心補助邀請之講員，以下節選列出 20 名講員(使用生推中心補助經費邀請講者 2 名及其他 Plenary、Keynote 及特邀論壇講員 18 名)，除此 20 名講員外，大會尚有 55 位 Invited 講員，共計 75 名講員。詳見網頁之講員介紹及大會議程。

講員介紹：<https://www.isomrm2025.com/index.php?action=speaker>；大會議程：

同報告第三點之內容。

姓名	學歷	經歷	現任
1. Kam W. Leong**	美國賓州大學化學工程學系博士	1. Research Associate, M.I.T., 1982-1986 2. Samuel Y. Sheng Professor, Columbia University, 2014– 3. James B. Duke Professor of Biomedical Engineering, Duke University, 2007–2014 4. Assistant, Associate, Professor of Biomedical Engineering, Johns Hopkins University, 1987-2006	美國哥倫比亞大學生物醫學工程學系 Samuel Y. Sheng 特聘教授
2. Mitsuhiro Ebara**	Ph.D. (Chemical Engineering), Waseda University, 2004	1. Postdoctoral Fellow, Department of Bioengineering, University of Washington, Seattle, USA (2004–2006) 2. Senior Researcher, International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science (NIMS), Tsukuba, Japan (2009–2015) 3. MANA Associate Principal Investigator, NIMS (2016–2018) 4. Group Leader, Research Center for MANA, NIMS (2019–present) 5. Group Leader, Research Center for Functional Materials, NIMS (2020–present) 6. Field Director, Research Center for Macromolecules	Deputy Director, Research Center for Macromolecules and Biomaterials, NIMS

		<p>and Biomaterials, NIMS (2023–present)</p> <p>7. Deputy Director, Research Center for Macromolecules and Biomaterials, NIMS (2024–present)</p> <p>8. Full Professor, Graduate School of Pure &amp; Applied Sciences, University of Tsukuba, Japan (2021–present)</p> <p>9. Full Professor, Graduate School of Industrial Science and Technology, Tokyo University of Science, Japan (2022–present)</p>	
3. Yasuhiko Tabata	<p>Doctor of Pharmacy, School of Pharmaceutical Sciences, Kyoto University, Japan</p>	<p>1. 1988-1990 Assistant Professor, Research Center for Medical Polymers and Biomaterials, Kyoto University, Japan</p> <p>2. 1990-1996 Assistant Professor, Research Center for Biomedical Engineering, Kyoto University, Japan</p> <p>3. 1996-1998 Associate Professor, Research Center for Biomedical Engineering, Kyoto University, Japan</p> <p>4. 1998-2000 Associate Professor, Institute for Frontier Medical Sciences, Kyoto University, Japan</p> <p>5. 2000-present Professor and Chairman, Department of Biomaterials, Institute for Frontier Medical Sciences, Kyoto University, Japan</p> <p>6. 2001-2009 Professor, Course of Advanced Medicine, Osaka University, Graduate School of Medicine, Japan</p> <p>7. 2001-present Scientific advisor, Research Institute for Production Development, Kyoto, Japan</p> <p>8. 2008-present Adjunct Professor, School of Life Dentistry, Nippon Dental College, Japan</p>	<p>京都大學醫學研究科 名譽教授</p>
4. David T.W. Wong	<p>1. B.Sc., Simon Fraser University, 1979</p> <p>2. D.M.D., University of British Columbia, 1981</p> <p>3. D.M.Sc., Harvard University (Molecular Biology), 1985</p> <p>4. Certificate, Harvard School of Dental Medicine (Oral</p>	<p>1977 Undergraduate Award in Analytical Chemistry (American Chemical Society)</p> <p>1981 Omicron Kappa Upsilon Dental Society</p> <p>1985 The James H. Shaw Award (Harvard School of Dental Medicine)</p> <p>1993 Distinguished Faculty Award (Harvard School of Dental Medicine)</p> <p>2001 Frederick Birnberg Research Award- Columbia University</p> <p>2002 Distinguished Scientist Award, IADR Experimental Pathology &amp; Medicine Research Award</p> <p>2004 Distinguished Faculty Award, University of California at Los Angeles, School of Dentistry</p> <p>2006 AAAS Fellow, American Association for the Advancement of Science</p> <p>2007 Honorary Membership, American Academy of Oral Medicine</p> <p>2007 Saliva Researcher of the Year, International</p>	<p>Professor, Director of the UCLA Center for Oral/Head &amp; Neck Oncology Research (COOR)</p>

	Pathology), 1985	Association of Dental Research 2011 Dr. Murray J. Gavel Clinical Research Award, The Forsyth Institute 2017 Distinguished Visiting Fellow, University of Birmingham, UK 2019 AADR Fellow, American Association of Dental, Oral and Craniofacial Research	
5. 莊曜宇	國立臺灣大學管理學院 商學碩士 (EMBA) 美國哈佛大學癌症生物學博士 美國伊利諾理工學院生物技術碩士 東海大學生物學學士	工研院副總 (2024.06 - 迄今) 工研院生醫與醫材研究所所長 (2023.04 - 迄今) 國立臺灣大學醫療器材研發中心副主任 (2015 - 迄今) 國立臺灣大學生物技術研究中心研究員 (2011 - 迄今) 國立臺灣大學腫瘤醫學研究所教授 (2011 - 迄今) 國立臺灣大學基因體與系統生物學學位學程教授 (2010 - 迄今) 國立臺灣大學電機工程學系暨研究所教授 (2008 - 迄今) 國立臺灣大學流行病學與預防醫學研究所教授 (2008 - 迄今) 國立臺灣大學生命科學系教授 (2008 - 迄今) 國立臺灣大學生醫電子與資訊學研究所教授 (2008 - 迄今) 國立臺灣大學基因體暨精準醫學研究中心生物統計暨生物資訊核心實驗室主持人 (2005 - 迄今) 工研院生醫與醫材研究所資深特聘研究 (2021 - 2023) 中國醫藥大學生物醫學工程碩士學位學程教授兼醫學工程學院院長 (2021 - 2023) 中國醫藥大學產學合作處產學長 (2021 - 2023) 工研院生醫與醫材研究所副所長 (2018 - 2021) 中央研究院基因體中心合聘研究員 (2016 - 2021) 國立臺灣大學生醫電子與資訊學研究所教授兼任所長 (2012 - 2018) 國立臺灣大學永齡生醫工程中心主任 (2011 - 2017) Program Director, Radiation Research Program, Division of Cancer Treatment and Diagnosis, National Cancer Institute, National Institutes of Health, Bethesda, MD, USA (2009-2011). Department of Environmental & Radiological Health Sciences, Colorado State University, Fort Collins, CO, U.S.A , Faculty Affiliate (2004-2018). Head, Microarray Laboratory, Radiation Oncology Sciences Program, National Cancer Institute, National Institutes of Health, Gaithersburg, MD, USA (2000-2005).	工業技術研究院 副總暨 生醫與醫材研究所所長
6. 曾靖嫻	2008 國立臺灣大學醫學工程博士 1998 中原大學	2020- 臺北醫學大學生醫材料暨組織工程研究所教授 2020- 臺北醫學大學細胞治療與再生醫學國際博士學位教授 2018- 臺北醫學大學生醫材料暨組織工程研究所所長	臺北醫學大學生醫材料暨組織工程研究所教授

	<p>生物醫學工程研究所碩士</p> <p>1996 元智大學化學工程學系學士</p>	<p>2018-2020 臺北醫學大學細胞治療與再生醫學國際博士學位副教授</p> <p>2016-2020 臺北醫學大學醫材暨組織工程研究所副教授</p> <p>2016 澳洲眼科研究中心/墨爾本大學訪問學者</p> <p>2011-2016 臺北醫學大學醫材暨組織工程研究所助理教授</p> <p>2008-2011 國家衛生研究院醫學工程研究組博士後研究員 賽宇生物科技(股)公司研發部專案經理 工業技術研究院生物醫學工程研究中心副研究員</p>	
7. Yoshiki Katayama	<p>1. March 1983: Completed Master's course in Synthetic Chemistry, Graduate School of Engineering, Kyushu University</p> <p>3. March 1987: Completed Doctoral course in Synthetic Chemistry, Graduate School of Engineering, Kyushu University</p>	<p>1. April 1987: Joined Dojin Chemical Research Institute, Inc.</p> <p>2. May 1988: Senior Researcher, Research Division, Dojin Chemical Research Institute, Inc.</p> <p>3. May 1990–May 1992: Visiting Researcher, The Royal Society of Medicine, United Kingdom</p> <p>4. May 1994: Chief, Discovery Division, Research Department, Dojin Chemical Research Institute, Inc.</p> <p>5. April 1996: Associate Professor, Department of Applied Chemistry, Graduate School of Engineering, Kyushu University</p> <p>6. September 1996–Present: Technical Advisor, Dojin Chemical Research Institute, Inc.</p> <p>7. October 1998–September 2002: Researcher, Japan Science and Technology Agency (JST), Precursory Research for Embryonic Science and Technology (PRESTO)</p> <p>8. Research focus: Creation and function of molecules that interconvert cellular information and chemical information</p> <p>9. April 2002: Professor, Department of Applied Chemistry, Graduate School of Engineering, Kyushu University</p> <p>10. September 2003–August 2008: Principal Investigator, CREST Program, Japan Science and Technology Agency (JST)</p> <p>11. Research focus: Creation of bioelements and systems utilizing chemical and biological molecules for medical applications</p> <p>12. Research project: "Creation of innovative gene delivery concepts using cell-interactive molecular systems"</p>	<p>Professor, Department of Applied Chemistry, Kyushu University</p>
8. Kun Hu	<p>Ph.D., Statistical Physics,</p>	<p>1. Associate Investigator, Massachusetts General Hospital, 2023–present</p> <p>2. Associate Member, Broad Institute of MIT and</p>	<p>Associate Professor of Anaesthesia</p>

	<p>Nonlinear Dynamics, Boston University, Boston, MA, USA, 02/2005</p>	<p>Harvard, 2021–present</p> <ol style="list-style-type: none"> <li>3. Director, Medical Biodynamics Program, Brigham &amp; Women's Hospital, Harvard Medical School, 2012 – present</li> <li>4. Associate Professor of Medicine, Harvard Medical School, 2017–2023</li> <li>5. Assistant Professor of Medicine, Harvard Medical School, 2011–2017</li> <li>6. Physiologist, Brigham and Women's Hospital, 2017–2023</li> <li>7. Associate Physiologist, Brigham and Women's Hospital, 2009–2023</li> <li>8. Research Associate, Beth Israel Deaconess Medical Center, 2005–2009</li> </ol>	
<p>9. 沈麗娟</p>	<ol style="list-style-type: none"> <li>1. 1993: National Taiwan University; Bachelor of Science in School of Pharmacy</li> <li>2. 1995: National Taiwan University; Master of Science in Program of Hospital Pharmacy, Graduate Institute of Pharmaceutical Sciences</li> <li>3. 2004: University of Southern California; Ph.D. in Department of Pharmaceutical Sciences, Major in</li> </ol>	<ol style="list-style-type: none"> <li>1. Dean, School of Pharmacy, National Taiwan University, 2017–present</li> <li>2. Professor, Graduate Institute of Clinical Pharmacy/School of Pharmacy, College of Medicine, National Taiwan University, 2016–present</li> <li>3. Director, Department of Pharmacy, National Taiwan University Hospital, 2013–2018</li> <li>4. Associate Professor, Graduate Institute of Clinical Pharmacy/School of Pharmacy, College of Medicine, National Taiwan University, 2011–2016</li> <li>5. Deputy Director, Department of Pharmacy, National Taiwan University Hospital, 2007–2013</li> <li>6. Pharmacist, Department of Pharmacy, National Taiwan University Hospital, 2005–present</li> <li>7. Assistant Professor, Graduate Institute of Clinical Pharmacy/School of Pharmacy, College of Medicine, National Taiwan University, 2005–2011</li> <li>8. Senior Scientist, Pfizer Pharmaceutical Company, La Jolla, California, U.S.A., 2004</li> <li>9. Teaching Assistant, School of Pharmacy, University of Southern California, U.S.A., 2004</li> <li>10. Research Assistant, School of Pharmacy, University of Southern California, U.S.A., 2003</li> <li>11. Member of Pre-review Non-prescription Drugs, National Health Insurance Institute, 1998–2000</li> <li>12. Preceptor, Clinical Rotated Teaching, Program of Hospital Pharmacy, Graduate Institute of Pharmaceutical Sciences, National Taiwan University, 1997–2000</li> <li>13. Clinical Pharmacist, Intensive Critical Care Unit, Department of Pharmacy, National Taiwan University</li> </ol>	<p>台大醫學院副院長</p>

	Biochemistry and Pharmaceutics	Hospital, 1997–2000 14. Teaching Assistant, School of Pharmacy, College of Medicine, National Taiwan University, 1995–1997	
10. Hai-Quan Mao	Ph.D., Polymer Chemistry, Wuhan University, 1988-1993	1. Director, Johns Hopkins Institute for NanoBioTechnology, 2022–present 2. Associate Director, Johns Hopkins Institute for NanoBioTechnology, 2016–2022 3. Co-Founder, LifeSprout, Inc., 2015–present 4. Professor, The Johns Hopkins University, 2013–present 5. Associate Professor, The Johns Hopkins University, 2009–2013 6. Assistant Professor, The Johns Hopkins University, 2003–2009 7. Co-Principal Investigator, Johns Hopkins in Singapore, 1999–2003 8. Lecturer, Wuhan University, 1993–1995	Professor and Director of Institute for NanoBioTechnology
11. Yukio Nagasaki	1987 Ph.D., Department of Industrial Chemistry, Science University of Tokyo, Shinjuku, Tokyo, Japan 1982 B.A., Department of Industrial Chemistry, Science University of Tokyo, Shinjuku, Tokyo, Japan	Principal Investigator, Center for Research in Radiation, Isotopes and Earth System Sciences, (CRIES), University of Tsukuba, Tsukuba 305-8573, Japan, 2022- present Principal Investigator, Center for Research in Isotopes and Environmental Dynamics, (CRIED), University of Tsukuba, Tsukuba 305-8573, Japan, 2013-2022 Principal Investigator, Strategic Initiatives (Project type), University of Tsukuba, 2011-2014 Principal Investigator, International Center for Materials Nanoarchitectonics Satellite (MANA), National Institute for Materials Science (NIMS), University of Tsukuba, 305-8573, Japan, 2007-2017 Adjunct Professor, Master's School of Medical Sciences, Graduate School of Comprehensive Human Sciences, University of Tsukuba, 305-8573, Japan, 2007-present Honorary Professor, Polyscale Technology Center, Tokyo University of Science, Noda 278-8510, Japan, 2006-2011 Project Leader, Nagasaki Project, Nanology Aspect, Tsukuba Advanced Research Alliance, University of Tsukuba, Tsukuba 305-8573, Japan, 2006-2011 Principal Investigator, Tsukuba Research Center for Interdisciplinary Materials Science, University of Tsukuba, Tsukuba 305-8573, Japan, 2004-2011 Professor, Department of Materials Science, Graduate School of Pure and Applied Science, University of Tsukuba, Tsukuba 305-8573, Japan, 2004-present Director, Nano-chemistry Division, Research Center for Nano-science and Technology, Tokyo University of	1. Visiting Research Fellow, Center for Applied Nanomedicine, National Cheng Kung University, Taiwan 2. Professor Emeritus, Department of Materials Science, Faculty of pure and Applied Science, University of Tsukuba, Japan

		<p>Science, 2002-2004</p> <p>Researcher, Research Center for Applied Materials, Tokyo University of Science, 2000-2004</p> <p>Professor, Department of Materials Science, Science University of Tokyo, Noda 278-8510, Japan, 2003-2004</p> <p>Associate Professor, Department of Materials Science, Science University of Tokyo, Noda 278-8510, Japan, 1999-2003</p> <p>Assistant Professor, Department of Materials Science, Science University of Tokyo, Noda 278-8510, Japan, 1994-1999</p>	
12. 許明暉	臺北醫學大學醫學科學研究所博士	<p>2023.08- 臺北醫學大學管理學院副院長</p> <p>2020.07- 國際生技醫療管理博士學位學程教授</p> <p>2019.12- 臺北醫學大學數據處數據長</p> <p>2019.08- 臺北醫學大學醫學院人工智慧醫療碩士在職專班教授</p> <p>2019.03-2025.02 臺北醫學大學管理學院大數據科技及管理研究所所長</p> <p>2019.08-2019.11 臺北醫學大學數據處籌備處數據長</p> <p>2019.03-2021.07 臺北醫學大學管理發展中心副主任</p> <p>2009.08-2011.02 臺北醫學大學資訊處資訊長</p>	臺北醫學大學數據處數據長
13. 陳新	Ph.D., Electronics, University of Edinburgh, Edinburgh, UK, 07/2004	<p>1. Co-Founder, BioPro Scientific, 2018–present</p> <p>2. Professor of Electrical Engineering, National Tsing Hua University, 2016–present</p> <p>3. Associate Professor of Electrical Engineering, National Tsing Hua University, 2010–2016</p> <p>4. Assistant Professor of Electrical Engineering, National Tsing Hua University, 2004–2010</p>	國立清華大學電機資訊學院電機工程學系教授
14. Won-Gun Koh	<p>1. B.S. Yonsei University, 1997</p> <p>2. M.S. Yonsei University, 1999</p> <p>3. Ph.D. The Pennsylvania State University, 2004</p>	<p>1. Post-doc : Stanford University School of Medicine (2004-2005)</p> <p>2. Assistant Professor : Department of Chemical Engineering, Yonsei University (2005. 9 ~ 2009. 8)</p> <p>3. Associate Professor : Department of Chemical Engineering, Yonsei University (2009. 9 ~ 2014. 8)</p> <p>4. Professor : Department of Chemical Engineering, Yonsei University (2014. 9 ~ present)</p>	Underwood Distinguished Professor, Department of Chemical Engineering, Yonsei University
15. Yu Seok Youn	(Ph.D.) 1995.03- 1999.02 School of Pharmacy, Sungkyunkwan	<p>1. Senior Researcher, College of Pharmacy, Sungkyunkwan University, 2004–2006</p> <p>2. Postdoctoral Fellow, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2006–2007</p>	Associate professor, College of Pharmacy, Sungkyunkwan University

	University (Pharmacy)	<ol style="list-style-type: none"> <li>3. Assistant Professor, College of Pharmacy, Pusan National University, 2007–2011</li> <li>4. General Secretary, Korean Pharmaceutical Association, January–February 2008</li> <li>5. Editor, Korean American Pharmaceutical Scientists Association (KAPSA), 2009–Present</li> <li>6. Academic Secretary, Korean Pharmaceutical Association, 2010–Present</li> <li>7. Associate Professor, College of Pharmacy, Sungkyunkwan University, 2011–Present</li> <li>8. Editorial Board Member, Asian Journal of Pharmaceutical Sciences, 2011–Present</li> <li>9. Associate Editor, Archives of Pharmacal Research, 2011–Present</li> <li>10. Director, Institute of Pharmaceutical Sciences, Sungkyunkwan University, 2014–Present</li> </ol>	
16. Shaoyi Jiang	Ph.D. (Chemical Engineering), Cornell University, 1993 4.	<ol style="list-style-type: none"> <li>1. Robert S. Langer ' 70 Family and Friends Professor, Cornell University, 2020–present</li> <li>2. Boeing-Roundhill Professor, University of Washington, 2000–2020</li> <li>3. Assistant Professor, Kansas State University, 1997–1999</li> </ol>	Robert S. Langer ' 70 Family and Friends Professor, Meinig School of Biomedical Engineering, Cornell University
17. Donglei (Emma) Fan	Ph.D. in Materials Science and Engineering, The Johns Hopkins University	<ol style="list-style-type: none"> <li>1. Postdoctoral Fellow, Johns Hopkins University, 2007–2009</li> <li>2. Research Fellow, California Institute of Technology, July 2007</li> <li>3. Professor, Walker Department of Mechanical Engineering, The University of Texas at Austin, 2023–Present</li> <li>4. Affiliated Professor, Chandra Department of Electrical and Computer Engineering, The University of Texas at Austin, 2024–Present</li> <li>5. Executive Committee Member, Texas Materials Institute, The University of Texas at Austin, 2024–Present</li> <li>6. Founder &amp; Chief Technology Officer, Materials Nova, Austin, Texas, 2023–Present</li> <li>7. Founder &amp; Chief Technology Officer, RuMedical Nova, Austin, Texas, 2024–Present</li> </ol>	Professor, Departments of Mechanical Engineering and Electrical & Computer Engineering, The University of Texas at Austin
18. Honggang Cui	1. Ph.D. in Materials Science and Engineering, University of	<ol style="list-style-type: none"> <li>1. Professor, The Johns Hopkins University, 2023–present</li> <li>2. Associate Professor, The Johns Hopkins University, 2017–2023</li> <li>3. Assistant Professor, The Johns Hopkins University, 2010–2017</li> </ol>	Professor, Department of Chemical and Biomolecular Engineering, Johns

	Delaware, 2002–2007	4. Postdoctoral Fellow, Northwestern University, 2007–2010	Hopkins University
19. Hyung Joon CHA	Ph.D. in Chemical Engineering (Molecular Biotechnology) Seoul National University	<p>1/2019 – present General Member, The National Academy of Engineering of Korea</p> <p>10/2018 – present Adjunct Professor, Yonsei University</p> <p>6/2018 – present Outside Director, Lemon Co., Ltd.</p> <p>3/2017 – 2/2033 SeAH Chair Professor, POSTECH</p> <p>3/2016 – present Adjunct Professor, Department of Mechanical Engineering, POSTECH</p> <p>9/2015 – present Chief Technology Officer, Nature Gluetech Co., Ltd.</p> <p>1/2014 – present Associate Member, The Korean Academy of Science and Technology</p> <p>4/2012 – 3/2015 SeAH Young Chair Professor, POSTECH</p> <p>12/2010 – present Director, Biomaterials Research Center (former, Marine BioMaterials Research Center)</p> <p>1/2018 – present Distinguished Visiting Professor, Institute for Fiber Engineering, Shinshu University, Japan</p> <p>3/2008 – present Adjunct Professor, School of Interdisciplinary Bioscience and Bioengineering, POSTECH</p> <p>8/2006 – 2/2008 Visiting Professor, Department of Chemistry, Purdue University, USA</p> <p>3/2002 – present Adjunct Professor, Division of Environmental Science and Engineering, POSTECH</p> <p>8/1999 – present Assistant, Associate, and Full Professor, Department of Chemical Engineering, POSTECH</p> <p>5/1998 – 7/1999 Research Assistant Professor, Department of Chemical Engineering, University of Maryland, College Park, Maryland, USA</p> <p>4/1996 – 4/1998 Postdoctoral Research Associate, Department of Chemical Engineering, University of Maryland, College Park, Maryland, USA</p> <p>3/1995 – 3/1996 Postdoctoral Researcher, Korea Research Institute of Bioscience and Biotechnology (KRIBB), Daejeon, Korea</p>	SeAH Chair Professor & Dean of Engineering, Pohang University of Science and Technology (POSTECH), Korea
20. Guizhi (Julian) Zhu	B.S.: Nankai University, China Ph.D.: University of Florida, USA Postdoc	<p>2023 – Ara Garo Paul (Endowed) Associate Professor, Department of Pharmaceutical Science, College of Pharmacy, University of Michigan, Ann Arbor, MI</p> <p>2023 – Member, BioInnovations in Brain Cancer, Biointerfaces Institute, University of Michigan, Ann Arbor, MI</p> <p>2023 – Core Member, Developmental Therapeutics</p>	Ara G. Paul Associate Professor, Department of Pharmaceutical Science, University of Michigan, USA

	training: National Institutes of Health, USA	Program, Rogel Cancer Center, University of Michigan, Ann Arbor, MI 2023 – Member (courtesy), Center for RNA Biomedicine, University of Michigan, Ann Arbor, MI 2021 – Co-founder and CSO, AmpedRNA Biosciences LLC (up to 20% effort) 2020 – 2023 Member, The Center On Health Disparities 2019 – 2023 Member, Center for Pharmaceutical Engineering and Sciences, VCU 2019 – 2023 Member, Institute for Structural Biology, Drug Discovery and Development, VCU 2018 – 2023 Assistant Professor, Department of Pharmaceutics, School of Pharmacy, VCU, Richmond, VA 2018 – 2023 Associate Member, Developmental Therapeutics, VCU Massey Cancer Center, Richmond, VA 2014 – 2018 Postdoc, NIH/NIBIB, Bethesda, MD (Advisor: Dr. Xiaoyuan Shawn Chen) 2013 – 2014 Postdoc, Department of Chemistry and Shands Cancer Center, UF (Advisor: Dr. Weihong Tan) 2009 – 2013 Research Assistant, College of Medicine, UF (Advisor: Dr. Weihong Tan)	
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### 三、議程

僅列出會議部分，共 27 分場 75 名講員，08/06 僅有工作坊及歡迎宴、08/09 僅有 Oral 發表競賽，以及中場休息等議程不列入表單，詳見附圖議程。

日期	議程時間	議程講員	議題主題
2025/08/07	09:00-09:50	Kam W. Leong	Plenary Speech(生醫材料)s
	09:50-10:40	David T.W. Wong	Plenary Speech(生醫感測)
	11:00-12:10	Yukio Nagasaki 、 Yoshiki Katayama	Keynote Sections (Biomaterials)
	*G01、G02 會議室 同時進行	Hai-Quan Mao 、 曾靖嫻	Keynote Sections (Regenerative Medicine)

13:20-15:00  *G01、G02、G03、  G04 會議室同時進行	許世典、蔡宗霖、  潘涵琦、Benson  Ping-Yi Lee	Invited: 3R / NAMs
	簡秀紋、駱雨利、  鄭詠馨、林美薇	Invited: Biomaterials (I)
	謝明發、游佳欣、  熊彥傑、Tzu-Heng (Zane) Wu	Invited: Tissue Engineering (I)
	陳建光、姜文軒、  黃東明、江智聖	Invited: NanoMed/EV Tech
15:20-17:00  *G01、G02、G03、  G04 會議室同時進行	賴穎暉、許家郎、  Maxim A.  Solovchuk、  Nicholas Kuo  Chao	Invited: AI/Precision Medicine
	賴千蕙、董國忠、  林淑萍、葛宗融	Invited: Biosensor Tech (I)
	林哲偉、彭志維、  郭立威、林啟萬	Invited: Bioelectronics/Medical Device Tech(I)
	陳民樺、劉瑋文、  黃玠誠、劉彥良	Invited: Regenerative Medicine/Cell/Molecular Tech(I)

2025/08/08	09:00-09:50	莊曜宇	Plenary Speech(生醫資訊)
	09:50-10:40	Yasuhiko Tabata	Plenary Speech(組織工程)
	11:00-12:10  <b>*G01、G02 會議室 同時進行</b>	Kun Hu、陳新	Keynote Sections (Bioelectronics)
		沈麗娟、許明暉	Keynote Sections (Regenerative Medicine)
	13:20-17:00	Won-Gun Koh、 Yu Seok Youn、 Shaoyi Jiang、 Donglei (Emma) Fan、 Honggang Cui、 Hyung Joon Cha、 Guizhi (Julian) Zhu	Distinguished Forum  特邀論壇：藥物制放於精準及再生醫療  前沿
		13:20-15:00  <b>* G02、G03、G04 會 議室同時進行</b>	Stacey Colleen Schutte、 Kuo-Hui (Ray) Chiu、 鍾仁傑、陳致宇
	陳瑜帆謝明佑李亦 宸楊凱強		Invited: Tissue Engineering (II)
	Mitsuhiro Ebara、		Invited: Regenerative

		范育睿、陳靖昀、 胡尚秀	Medicine/Cell/Molecular Tech(II)
	15:20-17:00	Atul Thakur、 莊漢聲、萬德輝、 鍾成晏	Invited: Biosensor Tech (II)
	* G02、G03、G04 會議室同時進行	林澂、楊伯康、 林育君、林政鞍	Invited: Bioelectronics/Medical Device Tech(II)
		林立峯、蒲啟明、 顏毓秀、賈維焯	Invited: Clinical Engineering

圖 1：ISOMRM 議程(0806-0809)

Date/Time	2025/08/06 (Day 1)
13:00~16:00	Check-in & NCU Campus Tour (No registration required)
16:00~17:00	NCU-DBSE Workshop
17:00~20:00	Registration & Welcome Reception Location: Hotel COZZI Blu (和逸飯店)

Date/Time	2025/08/07 (Day 2) <a href="#">Speaker Abstracts</a>						
08:00-08:30	Registration						
08:30-09:00	Open Ceremony G01 / G02 (Video)						
09:00-09:50	Plenary Section G01 G02 (Video)	Prof. Kam W. Leong Department of Biomedical Engineering, Columbia University, USA  <b>Chair: Prof. Hsing-Wen Sung</b> Department of Chemical Engineering, NTHU, Taiwan (ROC)					
09:50-10:40		Prof. David T.W. Wong UCLA Center for Oral/Head & Neck Oncology Research (COOR), USA  <b>Chair: Prof. Feng-Huei Lin</b> Department of Biomedical Engineering, NTU, Taiwan (ROC)					
10:40-11:00	Coffee Break						
11:00-11:35	Keynote Sections (Biomaterials) G01	Prof. Yukio Nagasaki Department of Materials Science, University of Tsukuba, Japan  <b>Chair: Dr. Shih-Chang Lin</b> Vice Superintendent, Cathay General Hospital, Taiwan (ROC)		Keynote Sections (Regenerative Medicine) G02	Prof. Hai-Quan Mao Department of Materials Science and Engineering, Johns Hopkins University, USA  <b>Chair: Dr. Jui-Sheng Sun</b> Senior Vice Superintendent, Landseed International Hospital, Taiwan (ROC)		
11:35-12:10		Prof. Yoshiki Katayama Department of Applied Chemistry, Kyushu University, Japan  <b>Chair: Prof. Ming-Fa Hsieh</b> Department of Biomedical Engineering, CYCU, Taiwan (ROC)			Prof. Ching-Li Tseng Graduate Institute of Biomedical Materials and Tissue Engineering, Taipei Medical University, Taiwan (ROC)  <b>Chair: Prof. Chun-Hsu Yao</b> Department of Biomedical Imaging and Radiological Science, CMU, Taiwan (ROC)		
12:10-13:20	Lunch (G02) BCRS Board Meeting (G03)						
13:20-13:45	3R / NAMS <b>Chair:</b> Prof. Ching-Yun Chen	Biomaterials (I) <b>Chair:</b> Prof. I-Chi Lee	Tissue Engineering (I) <b>Chair:</b> Prof. Hsia-Wei Liu <b>Co-Chair:</b> Dr. Hsin-Chung Lee	NanoMed/EV Tech <b>Chair:</b> Prof. Tse-Ying Liu	YICA (I) 13:15-15:00 304a (3F)	Poster (I) 09:00   17:00	
13:45-14:10	Prof. Tsung-Lin Tsai Dr. Shih-Tien Hsu Dr. Han-Chi Pan <b>Industry:</b> Mr. Benson Ping-Yi Lee	Prof. Hsiu-Wen Chien Prof. Yu-Li Lo Prof. Yung-Hsin Cheng <b>Industry:</b> Dr. Mei-Wei Lin	Prof. Ming-Fa Hsieh Prof. Jiasheng Yu Prof. Yan-Jye Shyong <b>Industry:</b> Dr. Tzu-Heng (Zane) Wu	Prof. Jem-Kun Chen Prof. Wen-Hsuan Chiang Dr. Dong-Ming Huang <b>Industry:</b> Prof. Chih-Sheng Chiang			
14:10-14:35	G01	G02	G03	G04			
14:35-15:00	Coffee Break						
15:00-15:20	Coffee Break						
15:20-15:45	AI/Precision Medicine <b>Chair:</b> Dr. Lun-De Liao <b>Co-Chair:</b> Dr. I-Tsu Chyuan	Biosensor Tech (I) <b>Chair:</b> Prof. Chao-Min Cheng	Bioelectronics/Medical Device Tech (I) <b>Chair:</b> Prof. Cheng-Hsin Chuang <b>Co-Chair:</b> Dr. Chih-ju Chang	Regenerative Medicine/Cell/Molecular Tech (I) <b>Chair:</b> Prof. Er-Yuan Chuang	YICA (I) 15:15-17:00 304a (3F)	Poster Zone (GF)	
15:45-16:10	Dr. Maxim A. Solovchuk Prof. Ying-Hui Lai Dr. Chia-Lang Hsu <b>Industry:</b> Dr. Nicholas Kuo Chao	Prof. Chian-Hui Lai Dr. Guo-Chung Dong Prof. Shu-Ping Lin Prof. Tzong-Rong Ger	Prof. Che-Wei Lin Prof. Chih-Wei Peng Dr. Li-Wei Kuo <b>Industry:</b> Prof. Chih-Wann Lin	Prof. Min-Hua Chen Prof. Wei-Wen Liu Prof. Chieh-Cheng Huang Prof. Yen-Liang Liu			
16:10-16:35	G01	G02	G03	G04			
16:35-17:00	BCRS Annual General Meeting G02)						
17:00-18:00	Gala Dinner Location: Hotel COZZI Blu (和逸飯店)						
18:00-							

Date/Time	2025/08/08 (Day 3) <a href="#">Speaker Abstracts</a>						
08:00-09:00	Registration						
09:00-09:50	Plenary Section G01 G02 (Video)	Dr. Eric Y. Chuang Biomedical Technology and Device Research Laboratories, ITRI, Taiwan (ROC)  <b>Chair: Dr. Ming-Te Cheng</b> Sinwu Branch, Taoyuan General Hospital, Ministry of Health and Welfare, TYGH, Taiwan (ROC)					
09:50-10:40		Prof. Yasuhiko Tabata Graduate School of Medicine, Kyoto University, Japan  <b>Chair: Prof. Yu-Chen Hu</b> Department of Chemical Engineering, NTHU, Taiwan (ROC)					
10:40-11:00	Coffee Break						
11:00-11:35	Keynote Sections (Bioelectronics) G01	Prof. Kun Hu Department of Anaesthesia, Massachusetts General Hospital, Harvard Medical School, USA  <b>Chair: Prof. Men-Tzung Lo</b> Department of Biomedical Sciences and Engineering, NCU, Taiwan (ROC)		Keynote Sections (AI/Precision Medicine) G02	Prof. Min-Huei Hsu Graduate Institute of Data Science, Taipei Medical University, Taiwan (ROC)  <b>Chair: Prof. Ming-Long Yeh</b> Department of Biomedical Engineering, NCKU, Taiwan (ROC)		
11:35-12:10		Prof. Hsin Chen Department of Electrical Engineering, NTHU, Taiwan (ROC)  <b>Chair: Prof. Chih-Kuang Yeh</b> Department of Biomedical Engineering and Environmental Sciences, NTHU, Taiwan (ROC)			Prof. Li-Juan Shen Department of Pharmacy, NTU, Taiwan (ROC)  <b>Chair: Prof. Hsin-Cheng Chiu</b> Department of Biomedical Engineering and Environmental Sciences, NTHU, Taiwan (ROC)		
12:10-13:20	Lunch (G02)						
13:20-13:45	Distinguished Forum (I) <b>Chair:</b> Prof. Hsing-Wen Sung	Biomaterials (II) <b>Chair:</b> Prof. Hui-Min (David) Wang	Tissue Engineering (II) <b>Chair:</b> Prof. Tzu-Wei Wang	Regenerative Medicine/Cell/Molecular Tech (II) <b>Chair:</b> Guo-Chung Dong	Oral Presentation (I) 13:10-15:00 304a (3F)	Poster (II) 09:00   17:00	
13:45-14:10	Prof. Won-Gun Koh Prof. Yu Seok Youn Prof. Shaoyi Jiang Prof. Donglei (Emma) Fan 13:10-15:10	Prof. Stacey Colleen Schutte Prof. Ren-Jei Chung Dr. Kuo-Hui (Ray) Chiu <b>Industry:</b> Dr. Chih-Yu Chen	Prof. Kai-Chiang Yang Prof. Yi-Chen Li Prof. Ming-You Shie <b>Industry:</b> Dr. Yu-Fan Chen	Prof. Mitsuhiro Ebara Prof. Yu-Jui Fan Prof. Ching-Yun Chen <b>Industry:</b> Prof. Shang-Hsiu Hu			
14:10-14:35	G01	G02	G03	G04			
14:35-15:00	Coffee Break						
15:00-15:20	Coffee Break						
15:20-15:45	Distinguished Forum (II) <b>Chair:</b> Dr. Yu-Jung Lin	Biosensor Tech (II) <b>Chair:</b> Dr. Chia-Hsien Hsu <b>Co-Chair:</b> Dr. Wen-Yu Chuang	Bioelectronics/Medical Device Tech (II) <b>Chair:</b> Dr. Gin-Shin Chen <b>Co-Chair:</b> Dr. Shu-Lin Guo	Clinical Engineering <b>Chair:</b> Dr. Nai-Chen Cheng	Oral Presentation (II) 15:10-17:00 304a (3F)	Poster Zone (GF)	
15:45-16:10	Prof. Honggang Cui Prof. Hyung Joon Cha Prof. Guizhi (Julian) Zhu 15:30-17:00	Prof. Atul Thaku Prof. Dehui Wan Prof. Han-Sheng Chuang <b>Industry:</b> Dr. Chen-Yen Chung	Prof. Po-Kang Yang Prof. Yu-Chun Lin Prof. Chen Lin <b>Industry:</b> Prof. Cheng-An Lin	Dr. Yu-Hsiu Yen Dr. Chi-Ming Pu Prof. Li-Fong Lin <b>Industry:</b> Dr. Wei-Tso Chia			
16:10-16:35	G01	G02	G03	G04			
16:35-17:00	Closing Ceremony (G01) Award Announcement (YICA & Poster)						
17:00-18:00							

BIOMED-X (3F 301a/b)

Date/Time	2025/08/09(Day 4)	
08:00-09:00	Registration	
9:00-12:10	<p>Oral Presentation (III)</p> <p>304a (3F)</p>	<p>Oral Presentation (IV)</p> <p>304b (3F)</p>
12:10-13:00	<p>Award Announcement (Oral)</p> <p>304a (3F)</p>	
	Culture Tour	

#### 四、活動照片和影片

- 照片(至少 10 張 · 請填寫照片說明)

照片 1：歡迎宴(08/06)



照片 2：校園巡禮-實驗室參訪(08/06)



照片 3：開幕式大合照(08/07)



照片 4：報到處人潮(08/07)



照片 5 : Plenary Speech



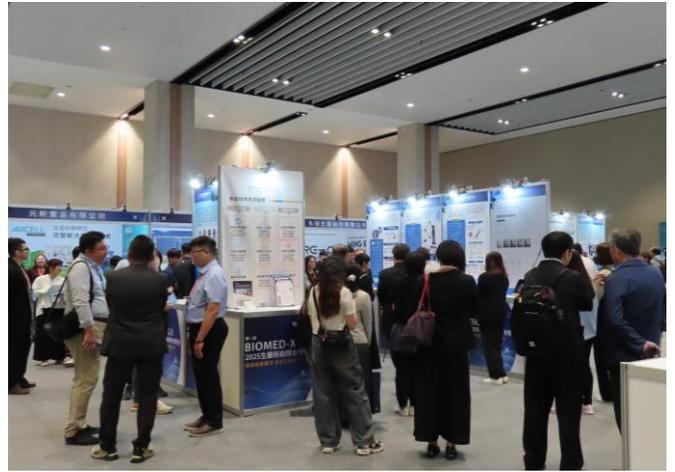
照片 6 : Keynote Speech



照片 7 : 分場會議(Invited)



照片 8 : 展會人潮



照片 9 : 展會開幕式(08/07)



照片 10 : 展會開幕式(08/07)



照片 11：海報論文交流



照片 12：海報論文交流



照片 13：高中帶隊參加科普闖關+逛展



照片 14：高中帶隊參加科普闖關+逛展



照片 15：在地親子參加科普闖關+逛展



照片 16：Oral 競賽



照片 17：青年研究者獎(YICA)



照片 18：傑出 Poster 發表獎



照片 19：傑出 Oral 發表獎



照片 20：生醫新創媒合



照片 21：Coffee Break



照片 22：Gala Dinner 交流



- 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

檔案名稱：ISO7\_成果短片