

出國報告（出國類別：開會）

至日本東京參加 89th Annual Meeting of
The Japanese Pharmacological Society
研討會

服務機關：國立臺北護理健康大學

姓名職稱：徐建業 教授

派赴國家：日本

出國期間：105/3/8 至 105/3/11

報告日期：106/3

摘要

此次出國行程在本校經費補助下，前往參與日本藥理學會所舉辦的 89 屆藥理研討會，鑒於為申請 2017 年初科技部一般型研究計畫，預計的計畫目標為透過目前我國所推廣的健康存摺進行藥囑的創新應用，藉此次行程與日本先進探究目前藥物發展及大數據技術使用方法，透過交流互相探討台日雙邊現況，以及藥物資料庫、數據分析使用情形，以台日友好的旅遊現況來說，藥物上的互通與臨時使用相當常見，藉由參加研討會與日本學者進行交流，並共同探討創新研究的相關議題，促進未來台日共同合作研究案的發展可能性。

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目的

在全球化發展浪潮之下，對於人類壽命與保健的議題從在地老化、各國推行政策及方法逐漸延伸到全世界互通的模式，近年來，健康保健意識抬頭，對於醫療保健及藥物服用的正確性等議題逐漸延燒，開啟了精準醫療的照護模式，除了讓病患能夠服用正確藥物，也希望藥物不重複使用、避免交互作用提升醫療品質。

此次所參與的研討會為日本藥理學會(The Japanese Pharmacological Society)所舉辦，該學會在日本藥學界扮演重要的腳色，該研討會又有 A-L 不同研討會(symposium)主題與場次，藉此聚集各產官學研的藥學專家一同進行經驗的交流。

本次行程主要是為準備申請 2017 年初科技部一般型研究計畫之領域構想範疇，目的是希望能吸收目前日本透過大數據分析蒐集藥物資料庫等資源，進行交互分析，找到藥物資訊的創新應用方法，在計畫整體架構能有更好的完整性。

為秉持著本校護理本家的精神，導入資通訊科技，本人擅長之大數據架構規劃及醫療背景參與本次論壇，期望從中得到更多所需知識，以發展屬於台灣及亞太地區的藥物大數據資料庫並嘗試建立加值應用服務系統，達到更優質的醫療照護環境與資料共享。

過程

出差事由	<p>參加研討會: The 89th Annual Meeting of The Japanese Pharmacological Society, 日程表如附件。</p> <p>主題討論: 藥物與醫療保健相關議題, Drug discovery based on big data analyses and in silico approaches, Innovation of pharmacological researches by interdisciplinary approaches, Novel imaging technologies toward the next-generation drug research。</p>					
日期	105 年 03 月 08 日起 至 105 年 03 月 11 日止 共計 4 天					
日程	3	月	08	日	工作事項	抵達, 日本橫濱。 與接待人員討論相關會議準備
	3	月	09	日	工作事項	開幕, 參與議題: 藥物與醫療保健相關議題, Drug discovery based on big data analyses and in silico approaches, Innovation of pharmacological researches by interdisciplinary approaches, Novel imaging technologies toward the next-generation drug research。Pharmacological estimation of functional food and natural substance in health sciences
	3	月	10	日	工作事項	參與議題: Strategy on Drug Development for Neglected Tropical Diseases, Toward understanding the novel signaling mechanisms involved in neural functions, mental disorders and neurological diseases
	3	月	11	日	工作事項	參與議題: Analysis of molecular pathophysiology by applying stem cell technology, Frontiers of in silico approaches for predicting cardiac toxicity 參與議題: [3-W-01] ワークショップ 3 医療とビッグデータ 回國, 抵達台灣

心得及建議

本次會議感興趣主題如:Pharmacological estimation of functional food and natural substance in health sciences，其中探究有關食品健康的議題，而過去個人也曾研究根據不同的食品以模糊理論推導出缺乏之營養因子，進而提醒使用者吃下需求之食材，以確保體內營養均衡，該議題充分探討了均衡飲食的重要性，對於研究而言，透過結合健康食品、食用藥物相關資料庫的模式，推薦每位使用者不同服用菜單內容為一種可行之道，但須結合藥物、營養及資通訊技術人員共同商討，為未來研究項目之一。

研討會中議題都圍繞著健康保健、保健食品等，對於實務應用上與生活息息相關，在邁進健康大數據的時代，然而該類的研究若結合大數據的發展，將能確保更高的效率度與民眾使用意願，以資通訊技術呈現其結果，並以模糊理論推導相關因子，將可完成更具使用價值之研究。

大數據的資料治理不是小議題，我們必須面對，而且政府及民間在進行大數據建構時，一定要相當的經費及力量放在這上面，不只是建構雲端數據庫的軟硬體，管理及分析才是真正重點，唯有數據共享，充份分析、利用，創造新的思路、方法甚至做為，才是真正有意義的使用健康數據，進而達到個人健康促進的目的。

除參加研討會，另與日本及亞洲其他國家學者進行學術交流外，亦與橫濱藥科大學(Yokohama University of Pharmacy)綜合健康醫學中心渡邊泰雄(Dr. Yasuo Watanabe)教授兼主任與國際事務處臨床藥理學科研究室千葉康司(Dr. Koji Chiba)教授洽談雙方國際合作事宜，期能繼續多邊國際交流合作，共同培養更多全球醫療資訊相關人才。

建議該研討會未來舉辦時能擴大宣傳，並廣邀各國學者，使參與者增加，讓學術交流能夠更加完整。

附件

Program at a Glance <Day1> March 9 (Wed)

Room	7:30	8:00	9:00	10:00	11:00	12:00	13:00
Room A	Mini Hall	Opening Ceremony	1-S-L01-01 Special Lecture 1 Chair: Masahito Saito	1-S-L02-01 Special Lecture 2 Chair: Masahito Saito	1-S-L03-01 Special Lecture 3 Chair: Masahito Saito	1-S-L04-01 Special Lecture 4 Chair: Masahito Saito	1-S-L05-01 Special Lecture 5 Chair: Masahito Saito
Room B	503		1-S-S01-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-S02-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-S03-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-S04-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-S05-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room C	502		1-S-S06-01 Research and development of novel anticancer drugs Chair: Masahito Saito	1-S-S07-01 Research and development of novel anticancer drugs Chair: Masahito Saito	1-S-S08-01 Research and development of novel anticancer drugs Chair: Masahito Saito	1-S-S09-01 Research and development of novel anticancer drugs Chair: Masahito Saito	1-S-S10-01 Research and development of novel anticancer drugs Chair: Masahito Saito
Room D	501		1-S-S01-02 New mechanism of drug resistance Chair: Masahito Saito	1-S-S02-02 New mechanism of drug resistance Chair: Masahito Saito	1-S-S03-02 New mechanism of drug resistance Chair: Masahito Saito	1-S-S04-02 New mechanism of drug resistance Chair: Masahito Saito	1-S-S05-02 New mechanism of drug resistance Chair: Masahito Saito
Room E	419		1-YO-01-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-02-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-03-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-04-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-05-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room F	418		1-YO-06-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-07-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-08-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-09-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-10-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room G	413		1-YO-11-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-12-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-13-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-14-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-YO-15-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room H	411-412		1-S-O1-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O2-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O3-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O4-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O5-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room I	315		1-S-O6-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O7-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O8-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O9-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O10-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room J	314		1-S-O11-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O12-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O13-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O14-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O15-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room K	313		1-S-O16-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O17-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O18-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O19-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O20-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room L	311-312		1-S-O21-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O22-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O23-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O24-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito	1-S-O25-01 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito
Room 316	316						
Poster & Exhibition 301-304							

Room	13:30	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Room A	1-S-L01-02 Special Lecture 2 Chair: Masahito Saito		JPS Councils Meeting: General Assembly					
Room B	1-S-S01-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito					Young researchers cancer support program (exchange meeting)		
Room C	1-S-S06-02 Research and development of novel anticancer drugs Chair: Masahito Saito							
Room D	1-S-S01-03 New mechanism of drug resistance Chair: Masahito Saito							
Room E	1-YO-01-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room F	1-YO-06-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room G	1-YO-11-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room H	1-S-O1-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room I	1-S-O6-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room J	1-S-O11-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room K	1-S-O16-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room L	1-S-O21-02 Oral presentation on the topic of drug development and delivery Chair: Masahito Saito							
Room 316								
Poster & Exhibition 301-304								

E J EJ indicate a language spoken in each session.
E: English / J: Japanese / EJ: English & Japanese

Program at a Glance <Day2> March 10 (Thu)

	7:30 - 8:00	9:00 - 10:00	11:00 - 12:00	13:00 -
Room A	Main Hall	2-1A-L E JPS-ASSET Lecture Chair: Yukio Ishii	2-2A-S-03 E A critical review of the evidence between various forms of dementia Chair: Shirohiko Shimizu, Shirohiko Shimizu	2-1A-LC Lunchroom Concert
Room B	503	2-2A-P-01 E Frontiers in proteinase A and B Chair: Yoko Yamashita Minoru Narita	2-2A-S-04 E Pharmaceutical and Regenerative Science Hisaharu Yamada Toru Kawamitsu	2-1A-S-02 Asahi Pharma Inc.
Room C	502	2-2A-W-01 E Innovative guide of the structure-based drug design Toru Hosok	2-2A-S-01 E CNS @ Ichiyama & Neurodegeneration Chair: Yoshitaka Yoshitaka Ito	2-1A-S-03 Hasegawa Co., Ltd.
Room D	501	2-2A-W-02 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-02 E CNS @ Shiga 2 Kazuo Nakamura Norimitsu Morioka	2-1A-S-03 Nobori Yamao UK
Room E	419	2-2A-W-03 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-05 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room F	418	2-2A-W-04 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-06 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room G	413	2-2A-W-05 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-07 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room H	411+412	2-2A-W-06 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-08 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room I	315	2-2A-W-07 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-09 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room J	314	2-2A-W-08 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-10 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room K	313	2-2A-W-09 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-11 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room L	311+312	2-2A-W-10 E Drug development of novel neurodegeneration strategy Ken-ichi Tanaka Satoshi Shimizu	2-2A-S-12 E CNS @ Chiba 2 Yoshihiro Kuroki Yoshihiro Kuroki	
Room 316	316			
Poster & Exhibitions	301-304			

E: English / **J**: Japanese / **EJ**: English & Japanese

	13:30 - 14:00	15:00 - 16:00	17:00 - 18:00	19:00 - 20:00
Room A	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-01 Special Lecture 5 Chair: Yukio Ishii	
Room B	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-02 Special Lecture 6 Chair: Yukio Ishii	
Room C	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-03 Special Lecture 7 Chair: Yukio Ishii	
Room D	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-04 Special Lecture 8 Chair: Yukio Ishii	
Room E	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-05 Special Lecture 9 Chair: Yukio Ishii	
Room F	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-06 Special Lecture 10 Chair: Yukio Ishii	
Room G	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-07 Special Lecture 11 Chair: Yukio Ishii	
Room H	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-08 Special Lecture 12 Chair: Yukio Ishii	
Room I	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-09 Special Lecture 13 Chair: Yukio Ishii	
Room J	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-10 Special Lecture 14 Chair: Yukio Ishii	
Room K	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-11 Special Lecture 15 Chair: Yukio Ishii	
Room L	2-2A-L Emerald Lecture Chair: Yoko Yamashita Minoru Narita	2-2A-P Poster Lecture Chair: Yukio Ishii	2-2A-S-12 Special Lecture 16 Chair: Yukio Ishii	
Room 316				
Poster & Exhibitions				

The Yokohama Bay
Hotel ITC
Ballroom ABC
Buffet-style Banquet
18:30~20:00

シンポジウム 5 Symposia 5

3/9 (Wed) Room J 9:00 ~ 10:30

1-S-05 健康科学において機能性を有する食品並びに天然物質の薬理学的評価 Pharmacological estimation of functional food and natural substance in health sciences

渡邊 泰雄
横浜薬大・薬・総合健康メディカルセンター

Yasuo Watanabe
General Health Medical Center, Yokohama University of Pharmacy

陳 俊榮
台北医科大・保健栄養学系
Yi-Wen Chien
School of Nut. and Health Sciences, Taipei Med. Univ., Taipei, Taiwan

Outline of Symposium

日本と台湾での合同シンポジウムとして、両国で使用されている「機能性を有する食品および天然物質」の「生活習慣病」に対する効能効果ならびに発現機序を食理学的に究明する。しかも、それらの安全性や適切な使用法を台湾と日本で実施されている特定保健食品や保健食品の許可に従って焦点を当てる。さらに、これらの討論を通して、日本と台湾での「保健効果を期待させる食品」の種類、さらには、認可の取得法に関して相違に関して議論して台湾での取得にも提案する。

As the special symposium of Japan and Taiwan joint symposium, we discuss about the evaluations of the mechanisms and the evidences of functional foods and natural substances which have been used for the life-related diseases using food-pharmacological techniques. And also we focus on the safety and proper use of these health foods and dietary supplements according to the admissions of food for specified health (FOSHU) in Taiwan and Japan. Then we propose about the licenses of FOSHU how much difference between Taiwan and Japan and discuss about how to obtain the licenses of FOSHU in Taiwan.

1-S-05-01 健康食品と体重管理
Health foods and weight management

○簡 怡雯

台北医科大・保健栄養学系

○Yi-wen Chien

School of Nut. and Health Sciences, Taipei Med. Univ., Taipei, Taiwan

1-S-05-02 機能性食品による生活習慣病の改善
Lifestyle-related diseases improved by functional food

○吉野 進、阿波 里佳、三宅 康夫、大戸 信明、桑原 浩誠

丸善製薬株式会社

○Susumu Yoshino, Riyo Awa, Yasuo Miyake, Nobuaki Ohto, Hiroshige Kuwahara
Maruzen Pharmaceuticals Co., Ltd.

1-S-05-3 骨代謝改善効果を有する機能性食品
Improvement of bone metabolism by functional foods

○出雲 信夫、渡邊 泰雄

横浜薬大・薬・総合健康メディカルセンター

○Nobuo Izumo, Yasuo Watanabe

General Health Medical Center, Yokohama University of Pharmacy. ☒

1-S-05-4 肝保護への栄養補助食品
Dietary supplements for hepatoprotection

○趙 振瑞

台北医科大・保健栄養学系

○Jane Chao

School of Nut. and Health Sciences, Taipei Med. Univ., Taipei, Taiwan