

# アジア・アフリカ学術基盤形成事業セミナー実施報告書

平成21年2月20日

独立行政法人日本学術振興会 殿

＜コーディネーター

所属機関・氏名＞明治薬科大学・森田隆司

セミナー実施報告書を次の通り作成しましたので提出します。

セ	ミ	ナ	名	JSPS 第三回アジア・アフリカ創薬基盤形成セミナー (S-AA-MPU1)
開	催	期	間	平成21年1月14日 ～ 平成21年12月15日 (2日間)
開	催	地		明治記念館 (東京・日本)
日本側責任者	氏	名		齋藤直樹
	所属機関・職名			明治薬科大学大学院薬学研究科・教授
開催責任者 (※日本以外の場合)	氏	名 (英文)		
	所属機関・職名 (英文)			
セミナーの概要及び成果 <b>【概要】</b> 本セミナーは、明治薬科大学アジア・アフリカ創薬研究センター、第二回国際セミナージョイントした学術講演会として約100名の参加者のもと、日本側事業拠点校である明治薬科大学が企画し、3つの海外拠点機関〔チュラロンコーン大学薬学部 (タイ王国)、バンドン工科大学理学部 (インドネシア)、マイソール大学理学部 (インド)]の協力のもとに実施されました。本セミナーはこれまで3年間にわたり展開してきたJSPS アジア・アフリカ学術基盤形成事業の総括としての役割をもち、本事業の4つの研究課題における日本側代表者による総括的な研究成果発表と、それぞれの研究実施担当者による具体的な研究成果口頭発表に、招待講演 (4演題) とポスター発表 (21演題) を交えて展開されました。なお、5件のポスター優秀賞が選ばれました。 <b>【成果】</b> 口頭及びポスター発表により本事業で得られた成果を公表する中で、若手研究者や大学院生とともに活発な討議が展開されたことは次世代を担う人材の育成に多大な貢献を果たすものです。さらに、本セミナーは、本事業の各国コーディネーターが一堂に会し、事業期間内に得られた研究成果の公表と自己点検評価による問題点の抽出を経て、本事業終了後、本研究課題のさらなる展開における実施計画の立案と新たなメンバーの選出など強固な創薬ネットワークの形成について実質的な討議が行われた点で本事業の総括としての役割を果たせたものと確信しています。				

○参加者リスト

(様式は任意。経費負担の別により区別すること。<A:セミナー経費より負担。B:共同研究・研究者交流経費より負担。C:本事業経費からは負担しない。>)

**P 3-7**

○日程及び課題 (セミナー関連資料があれば添付すること)

その他資料として以下に示すものがありますが、講演要旨の冊子体 (1部)、携帯袋、並びに筆記用具は宅配便にて別途提出いたしますのでよろしくお願い申し上げます。

1. ポスター優秀賞受賞者一覧 (p 8)
2. 講演要旨 (冊子)
3. 携帯袋及び筆記用具
4. 正誤表 (p 9) 及び要旨追加 (p 10)
5. プログラム案内 (p 11~)

なお、セミナーの開催に先立ち、1月13日午後5時30分より明治記念館 (レストラン羽衣) において、JSPS 事業の4つの研究課題責任者と海外招聘者 (19名) による打ち合わせ会議を開催しました (18:30-21:00)。

JSPS

									A	B	C	D
1	Khanit Suwanborirux	Thailand	Chula. U.	Associate Prof.	Marine Natural Prod.		1	OP5				
2	Taksina Chuanasa	Thailand	Chula. U.	Lecturer	Natural Prod. Chem.							
3	Kornvika Charupant	Thailand	NIH	Researcher	Natural Prod. Chem.			OP1-1				
4	Nanthawarn Mekha	Thailand	NIH	Researcher	Immunology			OP3-1				
5	Euis Holisotan Hakim	Indonesia	ITB	Professor	Natural Prod. Chem.			OP4-3				
6	Lia Dewi Juliawaty	Indonesia	ITB	Lecturer	Natural Prod. Chem.			OP4-1				
7	Nizar Happyana	Indonesia	ITB	Researcher	Phytochemistry			JP18				
8	Johnson Siallangan	Indonesia	ITB	Grad. Std	Phytochemistry			JP17				
9	Eliza Bachtiar	Indonesia	ITB	Grad. Std	Phytochemistry			JP15				
10	Fera Kurniadewi	Indonesia	Jakarta State U.	Lecturer	Phytochemistry			OP4-2				
11	Maribel G. Nonato	Philippines	U. Santo Tomas	Professor	Natural Prod. Chem.			OP4-4				
12	B. S. Vishwanath	India	Mysore U.	Professor	Biology			OP2-2				
13	Y. K. Gupta	India	AIIMS	Professor	Medicinal Chem.			OP1-4				
14	Surender Singh	India	AIIMS	Assistant Prof.	Medicinal Chem.			JP19				

									A	B	C	D
15	Anuchit Plubrukarn	Thailand	Prince Songkra U.	Assistant Prof.	Marine Natural Prod.		1	OP1-3				
16	Manatchaya Chuanchuen	Thailand	Chula. U.	Grad. Std.	Natural Prod. Chem.			JP03				
17	Panithi Saktrakla	Thailand	Chula. U.	Grad. Std.	Natural Prod. Chem.			JP02				
18	Maria C. R. Ramos	Philippines	U. Santo Tomas	Professor	Organic Chemistry			SL2				
19	G. P. Concepcion	Philippines	U. the Philippines	Professor	Marine Natural Prod.			SL4				

A: JSPS

B: JSPS

C: MPU

D:

			JSPS	JSPS	MPU
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		3	3	0	0
		3	1	0	2
		19	8	6	5

MPU

						X	Y	Z			
20	Kuang Hai-Wue	China	Heilongjiang U.	President	Chinese Traditional Medicine			SLM1			
21	Abdel Nasser B. Singab	Egypt	Ain Shams U.	Professor	Natural Prod. Chem.			POM1			
22	Feng-Yan Bai	China	Inst. Microbiol. Chinese Acad. Sciences	Researcher	Microbiology			POM2			
23	Lingling Lu	China	Shenyang Pharm. U.	Researcher	Natural Prod. Chem.			MP6			
24		China									×
25	Lin Zhang	China	Shenyang Pharm. U.					MP5			×
26	Lin Zhang	China	Jun Zou	Xiamen U.	Chinese Trad. Medicine			MP7			
27		China									×
28	Alfarius Eko Nugroho	Indonesia									×

X: MPU

Y: MPU

Z:

JSPS

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JSPS

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平成21年1月14～15日に開催した上記セミナーにおいてポスター発表された21件の研究発表の中からポスター優秀賞（5件）を選び表彰した。

5

Dr. Khanit Suwanborirux (Chulalongkorn University, Thailand)  
Dr. Y. K. Gupta (All India Institute of Medicinal Sciences, India)  
Dr. Euis Holisotan Hakim (Institut Teknologi Bandung, Indonesia)  
Dr. Takashi Morita (Meiji Pharmaceutical University, Japan)  
Dr. Naoki Saito (Meiji Pharmaceutical University, Japan)

1. Miss Yumiko Tada (Graduate Student, Meiji Pharmaceutical University, JPN)  
JP-01: Isolation and Structure Elucidation of Renieramycin T: A Novel Renieramycin-Ecteinasidin Hybrid  
研究課題：20-R-1
2. Mr. Panithi Saktrakukla (Graduate Student, Chulalongkorn University, Thailand)  
JP-02: Preparation of 2'-N-Acyl Derivatives of Ecteinasidins  
研究課題：20-R-1
3. Miss Hiromi Furuya (Graduate Student, Meiji Pharmaceutical University, JPN)  
Interaction of Triosephosphate Isomerase on *Staphylococcus Aureus* with Mannoooligosaccharides and Bioreactive Proteins  
研究課題：20-R-3
4. Miss Atuko Suzuki (Graduate Student, Meiji Pharmaceutical University, JPN)  
HIF-1a Inhibitors from Marine Fungi  
研究課題：20-R-4
5. Mr. Johnson Siallagan (Graduate Student, Institut Teknologi Bandung, Indonesia)  
OP-17: Cytotoxic Secondary Metabolites from Indonesian *Cryptocarya* (Lauraceae)  
研究課題：20-R-4



*The Bottom Line (From the Left)*

Mr. Panithi Saktrakukla (JP-02)

Miss Yumiko Tada (JP-01)

Miss Hiromi Furuya (JP-10)

Miss Atsuko Suzuki (JP-13)

Mr. Johnson Siallagan (JP-17)



### List of Correction in the Abstract Paper

Page	Title (or Line)	wrong	correct
4	OP2-2	Tatex	Latex
4	OP4-4	Philippine	Philippines
	SL-2	Philippine	Philippines
14	Title	TATEX	LATEX
29	JP-01	Renieramycine-	Renieramycin-
	JP-03	<i>sp.</i>	<i>sp.</i>
	JP-07	<i>Tigrinus</i>	<i>Tigrinus Tigrinus</i>
53	SL-M-1	none	International Cooperation and Exchange of Heilongjiang University of Traditional Chinese Medicine
	SL-M-1	Hai-Xue Kunag	Kuang Hai Xue

SL-M-1

**International Cooperation and Exchange of Heilongjiang University of Traditional Chinese Medicine**

Kuang Hai Xue

Heilongjiang University of Chinese Traditional Medicine  
24 Heping Road, Dongli District, Harbin, 150040 P.R.China  
086-451-2110652

Heilongjiang University of Traditional Chinese Medicine (HUTCM) founded in 1959, is a key university in Heilongjiang province and a center of Traditional Chinese Medicine(TCM) education. HUTCM is presently comprised of 9 colleges, 7 affiliated hospitals, 1 research institute, 16 teaching hospitals and 46 hospitals for students' practice. The university has a staff of 2449 including 685 professors and associate professors, 2 national outstanding experts and 6 experts conferred the state council rewards. There are 18505 enrolled students at present including 218 postgraduates, 1482 master degree students, 795 students in the 7-year program, 8528 undergraduates, 3261 special course students, 5016 short-term program students and 256 overseas students. Our purpose is to educate qualified TCM personnel with more abilities and to construct the university into a well known school at home and has a certain influence at abroad.

In 2004, HUTCM has been rated as the excellent evaluation in undergraduate education from the ministry of education of China. In2007, HUTCM has become the first TCM educational institute in China, certified by the Ministry of Education. In 2008, HUTCM was appointed as the No3 national base for pharmaceutical clinical research by the academic committee of the State Council and the State Administration of Traditional Chinese Medicine.

Since 2001, three programs of HUTCM have been granted the reward of the National Key Basic Research Project and one program from the National High-Tech Research and Development Program. The university was awarded the State Second Scientific and Technological Prize to our six research projects.

As the global economy has been integrated, internationalization of people and knowledge has been required. HUTCM has put emphasis on overseas cooperation and exchanges and has started its activity in an early stage of internationalization of TCM in China. We have developed cooperation in education, medicine and science and technology with thirty countries and more than forty medical and research institutes in the world. HUTCM has long been carrying joint research of Chinese medicine with Japanese universities such as Meiji Pharmaceutical University, Hokkaido Pharmaceutical University and Department of Pharmacy at Toyama University and as well do with US, UK, Australia and Russia. Our research programs are as follows;

- a. Research of anti-tumor mechanism of *saponin* from *Aralia elata* Seem
- b. Research of developing Dihydroquercetin, new medicine for angina
- c. Research of active ingredient and mechanism of *Acanthopanax senticosus* Harms against Parkinson's disease



**The JSPS 3rd Medicinal Chemistry Seminar of  
Asia/Africa Science Platform Program  
and  
The 2<sup>nd</sup> International Seminar of Meiji  
Pharmaceutical University Asia/Africa Center for  
Drug Discovery**

**First Announcement**

**January 13-15, 2009  
Meiji Kinenkan, Tokyo, Japan**

**Organized by Meiji Pharmaceutical University AA Center for  
Drug Discovery (MPU AACDD)  
Supported by Japan Society for the Promotion of Science (JSPS)**



## Preface

Meiji Pharmaceutical University established “Asia/Africa Center for Drug Discovery (MPU-AACDD)” to train researchers for the development of new drugs and pharmacists, who can be active internationally in April, 2005. The same year, Japan Society for the Promotion of Science (JSPS) began to advertise “Asia Africa Science Platform Program” as a new program to establish sustainable cooperation with core research institutions in Asian and African nations. Meiji Pharmaceutical University applied for this public advertisement, and was adopted as one of the core institutions of a new program in March, 2006. Taking this opportunity, MPU-AACDD has begun its full scale activities. MPU-AACDD held three seminars until December last year. The JSPS 1<sup>st</sup> Medicinal Chemistry Seminar of AA Science Platform Program was co-organized with the 23<sup>rd</sup> Annual Research Conference on Pharmaceutical Sciences, at Chulalongkorn University, Bangkok, Thailand, during December 14-15, 2006. The First International Seminar of Meiji Pharmaceutical University Asia/Africa Center for Drug Discovery, was held at Meiji Pharmaceutical University, Tokyo, Japan, during March 8-9. The JSPS 2<sup>nd</sup> Medicinal Chemistry Seminar of AA Science Platform Program was co-organized with the 1<sup>st</sup> Seminar on Bioactive Natural Products from Marine Organisms and Endophytic Fungi, at Cape Panwa, Phuket, Thailand, during October 26-27, 2007.

With this background, MPU-AACDD organizes The JSPS 3<sup>rd</sup> Medicinal Chemistry Seminar of Asia/Africa Science Platform Program and The 2<sup>nd</sup> International Seminar of Meiji Pharmaceutical University Asia/Africa Center for Drug Discovery.

**Kinenkan was the first wedding hall offering a comprehensive range of services to be opened in Japan.**

**It is located in a separate part of the Outer Gardens of the Meiji Shrine. The total area of the site is about 33,000m<sup>2</sup>. The main hall is a place of historical interest since the drafts of the former Imperial Constitution and the Imperial House Act were discussed in the presence of the Meiji Emperor. The Kinenkan has therefore been a very popular attraction to many people, offering a multitude of uses.**

**It was after World War II when the Meiji Kinenkan was opened as a wedding hall.**

