

第二回アジア・アフリカ創薬基盤形成セミナー

JSPS 2nd Medicinal Chemistry Seminar of AA Scientific Platform Program

パンワホテル・プーケット(タイ王国)

Cape Panwa Hotel/Phuket(Thailand)

平成 19 年 10 月 25 日～28 日(4 日間)

25-28, October, 2007

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**The 1st Seminar on
Bioactive Natural Products from
Marine Organisms and Endophytic Fungi
and**

**The JSPS 2nd Medicinal Chemistry Seminar of
Asia/Africa Science Platform Program**

ABSTRACT

PHUKET, THAILAND

October 25-28, 2007

The Cape Panwa, Phuket (Thailand)

Location



Ecteinascidia thurstoni lives in around this area, which is producing one of our target, Et 770



1. セミナー開催の趣旨・組織

【セミナー開催の趣旨・目的】

今回は「**第二回 JSPS 創薬基盤形成セミナー**」として、本事業メンバーによる研究成果報告を交えながら、若手研究者に発表の機会を広く開放します。参加者の年齢は制限しつつ、発表者と一般参加者が一同に泊り込み、セミナーと討議を行います。発表の内容は単に研究成果だけでなく、研究の企画や将来の展望などをアピールする場と位置付け、この中から本事業に新たに参加する優秀な若手人材を発掘したいと考えています。本事業で掲げた4つの研究テーマについてこれまでに得られた研究成果を日本側事業メンバーの代表から報告する。また、相手国側からいくつかの注目すべき研究成果を選んでワークショップ方式で報告していただく。それぞれの研究成果を評価し、問題点の抽出と今後の研究の方向について討議する。それぞれの国から本事業に関連した研究に関する優れた研究を行った若手研究者を選出し、口頭発表あるいはポスター発表を行ってもらい、それぞれについて参加者全員で徹底的に討議する。今回のセミナーでは後者に重点をおいたプログラムを企画する。

1. 本事業に関連する研究成果の公表と、さらなる事業展開に必要な情報収集する。
2. 次世代を担う優秀な若手研究者の発掘と本事業の支援による育成を目指す。
3. ワorkshop方式による徹底的な討議により個々の研究を適切に評価しながら、問題点の抽出と解決策の提示が可能になる。
4. レクチャーシップやポスター優秀賞などの設定により研究内容や発表技術を研鑽させ、若手研究者の高揚をはかることによりグローバルな視野を持った優れた若手創薬研究者を育成できる。
5. それぞれの研究環境や社会的情勢を相互に理解しながら、我が国の近隣諸国における研究環境と人材が欧米諸国に匹敵するレベルまで押し上げることができる。地域性を生かしつつ、独自の創薬研究を展開できる。

【セミナーの運営組織】

企画準備委員会：	明治薬科大学 アジア・アフリカ創薬研究センター
（共同開催）	チュラロンコーン大学薬学部生物活性海洋天然物部門
大会組織委員会	森田 隆司（コーディネーター）
	齋藤 直樹（日本側責任者）、カニ・スワンボリラック（開催国責任者）
	杉田 隆（日本側秘書）、タクシナ・チュアナサ（開催国側秘書）
主催：	日本学術振興会（JSPS）
協賛：	明治薬科大学 アジア・アフリカ創薬研究センター（AACDD）
	The Commission on Higher Education (CHE), Thailand

2. プログラム



Scientific Program

**The 1st Seminar on Bioactive Natural Products from Marine Organisms and Endophytic Fungi
and The JSPS 2nd Medicinal Chemistry Seminar of Asia/Africa Science Platform Program
October 26-27, 2007. Cape Panwa Hotel, Phuket, Thailand**



THURSDAY, OCTOBER 25, 2007

18:00-21:00 Registration from Foreign Countries

21:30-22:30 Discussion with JSPS AA Scientific Platform Program Member

FRIDAY OCTOBER 26, 2007

08:00-08:15 Registration

08:15-08:30 Opening Ceremony

Report by Professor Takashi Morita and Dr. Khanit Suwanborirux

Opening Remark by Emeritus Professor Shin-ichiro Sakai

Welcome Speech by Associate Professor Dr. Sunibhond Pummangura

08:30-09:00 Keynote Lecture Chair: Sunibhond Pummangura

Biomimetic Chemical Transformation of the Corynanthe Type Indole Alkaloids

By Emeritus Professor Shin-ichiro Sakai, Chiba University, Japan

09:00-09:30 Plenary Lecture 1 Chair: Naoki Saito

PL 1 Recent Investigation of Bioactive Marine Natural Products from Thai Natural Sources

By Khanit Suwanborirux, Chulalongkorn University, Thailand.

09:30-10:30 Letures 1 Chair: Takashi Morita and Akkharawit Kanjana-Opas

OP 1 Bioactive Secondary Metabolites from Endophytic Fungi of Thai Medicinal Plants

By Suthep Wiyakrutta, Mahidol University, Thailand.

OP 2 Marine-Derived Terpenoids: The Prospect of Not-So-Fun Compounds

By Anuchit Plubrukarn, Prince of Songkla University, Thailand.

OP 3 Exploration of Acetylcholinesterase Inhibitors from Thai Biodiversities

By Kornkanok Ingkaninan, Naresuan University, Thailand

10.30-11.00 Plenary Lecture 2 Chair: Chamnan Patarapanich

PL 2 Investigation and Syntheses of Novel Analgesic Indole Alkaloids in Rubiaceae Medicinal Plants

By Hiromitsu Takayama, Chiba University, Japan

11.00-12.00 Letures 2 Chair: Kazuhiko Oishi and Anuchit Plubrukarn

OP 4 Discovery Unpredictable Intramolecular Diels-Alder Reaction in Highly Polar Media

By Naoki Saito, Meiji Pharmaceutical University, Japan

OP 5 Bioactive Compounds from Indonesian Tropical Plants

By Euis Holisotan Hakim, Institut Teknologi Bandung, Indonesia

OP 6 Philippine Medicinal Plants: In Search for Phytotherapeutics

By Maribel G. Nonato, University of Santo Tomas, Manila, Philippines

12.00-13.30 Lunch

- 13.30-14.00** **Plenary Lecture 3** Chair: Nongluksna Sriubolmas
PL 3 Protein Microarray Analysis of Prion Protein Interactome
 By Jun-ichi Satoh, Meiji Pharmaceutical University, Japan
- 14.00-15.00** **Letures 3** Chair: Kiyotaka Koyama and Duangdeun Meksuriyen
OP 7 Use of Snake Venom Proteins in Studies of the Structure and Function of
 Coagulation Factors
 By Takashi Morita, Meiji Pharmaceutical University, Japan
- OP 8** Neuroangiogenic Potential of Neural Stem Cells
 By Kazuhiko Oishi, Meiji Pharmaceutical University, Japan
- OP 9** Should We Consider the Involvement of Microorganisms in All Diseases?
 By Takashi Sugita, Meiji Pharmaceutical University, Japan
- 17.00-21.00** **Welcome Dinner**

SATURDAY OCTOBER 27, 2007

- 08:00-08:45** **Posters Boarding**
- 09:00-09:30** **Plenary Lecture 4** Chair: Maribel G. Nonato
PL 4 Evaluation of Indian Herbal Drugs in Experimental Models of Central
 Nervous System Disorders
 By Y. K. Gupta, India Institute of Medical Sciences, India
- 09:30-10:10** **Letures 4** Chair: Euis H. Hakim and Kornkanok Inkaninan
OP 10 Evaluation of Antiinflammatory Activity of Plant Lipids Containing Alpha
 Linolenic Acid
 By Surender Singh, India Institute of Medical Sciences, India
- OP 11** Investigation of the Truth ---Don't Leave the Question---
 By Kiyotaka Koyama, Meiji Pharmaceutical University, Japan
- 10:20-12.00** **Poster Oral Presentaion (20 presenters, 5 min each)**
 Chair: Pornchai Rojsiitisak and Taksina Chuanasa
- 12.00-13.30** **Lunch**
- 13:30-16:00** **Poster Session**
- 18:30-21:00** **Farewell Dinner**

POSTER PRESENTATION

13:30-16:00 on October 27, 2007

- PP1** The Predator *Jorunna* the Prey *Xestospongia* Interaction: Chemical
 Sequestering from the Prey
 Udomsak Darumas, Walailak University, Thailand.
- PP2** Bioprospective Mariculture Development of the Thai Ascidian *Ecteinascidia*
thurstoni as Supplier for the Anticancer Compounds, Ecteinascidins
 Piya Koeysin, Chulalongkorn University, Thailand.

- PP3** Molecular Modeling of Renieramycin-DNA Complexes
Pornchai Rojsitthisak, Chulalongkorn University, Thailand.
- PP4** Chemical Modifications of Cytotoxic Renieramycin M Isolated from KCN-Pretreated Thai Sponge *Xestospongia* Sp. and Structure-Activity Relationship Studies of Renieramycin Derivatives
Naomi Daikuhara, Meiji Pharmaceutical University, Japan
- PP5** Cytotoxicity and Transcriptional Profiles of Renieramycin M and Jorunnamycin C by Microarray Analysis
Kornvika Charupant, Chulalongkorn University, Thailand.
- PP6** Cellular Source of Renieramycin M in the Blue Sponge *Xestospongia* sp.
Supaporn Bunsiriluck, Chulalongkorn University, Thailand.
- PP7** Asymmetric Synthesis of 12-Deacetoxy-Scalarin Acetate: Synthesis of C1–C15 Fragment
Suriyan Thengyai, Prince of Songkla University, Thailand.
- PP8** Isonitrile Diterpenes from the Marine Sponge, *Ciocalapata* sp.
Chatchai Wattanapiromsakul, Prince of Songkla University, Thailand.
- PP9** Ergosterol Peroxides from the Sponge *Ciocalapata* sp.
Naphatson Chanthathamrongsiri, Prince of Songkla University, Thailand.
- PP10** Antitubercular Marine-Derived Sesterterpenoid Derivatives
Sunan Jaisamut, Prince of Songkla University, Thailand.
- PP11** Search for Angiogenesis Inhibitors from Marine Fungi
Yuu Ohkawa, Meiji Pharmaceutical University, Japan
- PP12** Structure Elucidation of Cytotoxic Compounds from Marine Derived Actinomycetes
Tanyalak Suwanworachat, Prince of Songkla University, Thailand.
- PP13** Isolation and Optimization of Astaxanthin Production by Marine Bacteria in Shaked Flask Culture
Theerasak Anantapong, Prince of Songkla University, Thailand.
- PP14** Isolation of Antimicrobial Compounds from a Marine Sediment Derived-*Streptomyces* sp.
Veena Nukoolkarn, Mahidol University, Thailand.
- PP15** Cytotoxic Compounds from Marine Gliding Bacteria in Thailand
Yutthapong Sangnoi, Prince of Songkla University, Thailand.
- PP16** Pyrrole Derivatives from the Marine Gliding Bacterium
Oraphan Sakulkeo, Prince of Songkla University, Thailand.
- PP17** Anti-*Candida* Metabolites of Endophytic Fungus Isolate ACRA38
Malinee Oyuchua, Mahidol University, Thailand.

- PP18** Sulfur-Containing Diketopiperazines from an Endophytic Fungus, *Exserohilum rostratum*
Napannop Boonthanom, Chulalongkorn University, Thailand.
- PP19** Secondary Metabolites from Indonesian Medicinal Plants
Lia Dewi Juliawaty, Institut Teknologi Bandung, Indonesia
- PP20** Evaluation a New Lead for Acetylcholinesterase Inhibitor
Nantaka Khorana, Naresuan University, Thailand.
- PP21** Chemical Constituents of *Morus australis* and their Cytotoxic Properties against Murine Leukemia P-388 Cells
Ferlinahayati, Institut Teknologi Bandung, Indonesia
- PP22** Bioactive Prenylflavones from Some Indonesian *Artocarpus*
Iqbal Musthapa, Institut Teknologi Bandung, Indonesia
- PP23** Study of Antioxidative Activity from the Root Bark of *Clausena Harmandiana*
Ploenthip Puthongking, Khon Kaen University, Thailand.
- PP24** Variation of Polyphenols and Antioxidant Activity in Mulberry Fruits
Jarunan Wongthai, Naresuan University, Thailand.
- PP25** α – Glucosidase Inhibitors from *Gynura Procumbens*
Jiranuch Mingmuang , Chulalongkorn University, Thailand
- PP26** Analysis of Volatile Components from *Rhynchosyilis gigantea* (Lindl.) Ridl. var. *gigantea* by Using Gas Chromatography-Mass Spectrometry
Witita Paibon, Naresuan University, Thailand.
- PP27** An Enzyme-Linked Immunosorbant Assay Using Polyclonal Antibodies Against Bacopaside I
Wattoo Phrompittayarat, Naresuan University, Thailand.
- PP28** Screening for Antimicrobial Activities of Marine Derived Actinomycetes and Their Identification by 16s RDNA Sequencing Analysis
Theerawat On-Lamoon, Prince of Songkla University, Thailand.
- PP29** Screening for Antibacterial Activity of Marine Gliding Bacterial Extracts and Identification of Marine Gliding Bacteria by 16s RDNA Sequences Analysis
Thaniwan Cheun-Arom, Prince of Songkla University, Thailand.
- PP30** Screening of Antibiotic-Producing Actinomycetes from Marine Environment
Chitti Thawai, King Mongkut's Institute of Technology Ladkrabang, Thailand.
- PP31** Anti-MRSA and Anti- *Candida albicans* Activities of Endophytic Fungi Isolated from *Guettarda speciosa* L.
Nongluksna Sriubolmas, Chulalongkorn University, Thailand.
- PP32** Endophyte Fungal Isolate from *Guettarda Speciosa* L. Produced Antimicrobial Compounds
Benjamas Sangfai, Mahidol University, Thailand.
- PP33** Biological Activities and Secondary Metabolic Profiles of Leaf Endophytic

- Fungi Isolated from Philippine *Pandanus* Species
Melfei E. Bungihan, University of Santo Tomas, Philippines
- PP34** Geldanamycin from a Thai Mangrove *Streptomyces*: 19-*O*-Methylgeldanamycin and Neuroprotective Effect
Sarin Tadtong, Chulalongkorn University, Thailand.
- PP35** Effect of Geldanamycin Derivatives on Neuroangiogenic Potential of Neural Stem Cells
Shunsuke Imai, Meiji Pharmaceutical University, Japan
- PP36** Cytoprotective Effect of Plants Commonly Used in Veterinary Medicine against Hydrogen Peroxide-Induced Oxidative Stress in P19
Boonrat Chantong, Mahidol University, Thailand.
- PP37** Cytotoxic Activity of *Goniothalamus tenuifolius* King
Sukanya Tantithanaporn, Prince of Songkla University, Thailand.
- PP38** Interaction of a Glycolytic Enzyme on *Staphylococcus aureus* and Cryptococcal Capsular Polysaccharide
Hiromi Furuya, Meiji Pharmaceutical University, Japan
- PP39** 5 α -Reductase Inhibitory Activity of *Curcuma aeruginosa*: In Vitro and In Vivo Studies
Ganniga Pumthong, Naresuan University, Thailand.
- PP40** Screening for Phosphodiesterase Inhibitory Activity from Some Thai Medicinal Plants
Prapapan Temkitthawon, Naresuan University, Thailand.
- PP41** In Vitro Screening for Acetylcholinesterase Inhibitory Activity of Some Plants Belonging to Apocynaceae and Loganiaceae
Kanokwan Changwichit, Naresuan University, Thailand.
- PP42** Cytokine-Inducible Expression of CD163 Is Different between Human Macrophages and Microglia
Shinya Obayashi, Meiji Pharmaceutical University, Japan
- PP43** DNA Library of the Venom Gland and Toxin Profile of *Austrelaps labialis* Venom
Robin Doley, University of Singapore, Singapore
- PP44** Inactive Phospholipase A₂ Homologue Binds to VEGF Receptor-2 via Its C-Terminal Loop Region
Daisuke Fujisawa, Meiji Pharmaceutical University, Japan



3. 概要と成果

【概要】本事業で取り上げた4つの研究課題に関連した研究成果の発表と若手研究者や大学院生による創薬研究成果の発表を中心として以下に示す学術発表が行なわれた。

1. 基調講演（1）
2. 特別講演（4）
3. 口頭発表（11）
4. ポスター発表（44）
5. ショートオーラルプレゼンテーション（21件：ポスター発表から選抜）

なお、JSPS 事業メンバーは次のように貢献した。

招待講演者（佐藤準一、高山廣光、Y. K. Gupta）

口頭発表者（齋藤直樹、森田隆司、大石一彦、杉田隆、小山清隆、E. H. Hakim、M. G. Nonato、S. Singh）、
ショートプレゼンテーション付ポスター発表（大工原直美、L. D. Juliawaty、I. Musthapa、Ferlinahayati）、

【成果】今回の口頭発表では、事業メンバーよりこれまでに体験した失敗談や印象に残った具体的な実験などが紹介され、日ごろの学会では聞けない貴重な話が次々に披露され、次の時代を担う若手研究者にとってたいへん有意義な内容となった。なお、優れたポスター発表6件に対して優秀ポスター賞を授与した。

明治薬科大学から選ばれたポスター優秀賞は以下のとおりである。

記号	氏名	演題名	課題番号
PP4	Naomi Daikuhara	Chemical Modification of Cytotoxic Renieramycin M Isolated from KCN Pretreated Thai sponge <i>Xestospongia</i> sp. and Structure-Activity Relationship Studies of Renieramycin Derivative	19-R-1
PP35	Shunsuke Imai	Effect of Geldanamycin Derivatives on Neuroangiogenic Potential of Neural Stem Cells	19-R-4

4. 参加者リスト

【国別参加者一覧】

国	参加者数
日本	14
タイ	60
インドネシア	4
インド	2
フィリピン	2
シンガポール	1
合計	83

【参加者内訳】

JSPS プロジェクトメンバー（日本側 8 名、海外 7 名）

No.	氏名	役職	所属	国	課題記号	経費区分
1	森田 隆司	教授	明治薬科大学	日本	19-R-2	A
2	齋藤 直樹	教授	明治薬科大学	日本	19-R-1	A
3	佐藤 準一	教授	明治薬科大学	日本	19-R-2	A
4	大石 一彦	教授	明治薬科大学	日本	19-R-4	A
5	小山 清隆	准教授	明治薬科大学	日本	19-R-4	A
6	杉田 隆	准教授	明治薬科大学	日本	19-R-3	A
7	大工原 直美	大学院生	明治薬科大学	日本	19-R-1	A
8	高山 廣光	教授	千葉大学大学院 薬学研究院	日本	19-R-4	A
9	Euis Holisotan Hakim	教授	バンドン工科大学	インドネシア	R-19-4	A
10	Lia Dewi Juliawaty	講師	バンドン工科大学	インドネシア	R-19-4	A
11	Iqbal Musthap	大学院生	バンドン工科大学	インドネシア	R-19-4	A
12	Ferlinahayati	大学院生	バンドン工科大学	インドネシア	R-19-4	A
13	Maribel G. Nonato	教授	サントトーマス大学	フィリピン	R-19-4	A
14	Y. K. Gupta	教授	全インド医科学研究所	インド	R-19-1	A

15 Surender Singh 講師 全インド医科学研究所 インド R-19-1 A

関連参加者（日本6名、タイ国以外2名）

No.	氏名	役職	所属	国	課題記号	経費区分
1	坂井 進一郎	名誉教授	千葉大学	日本	19-R-4	C
2	藤沢 大輔	大学院生	明治薬科大学	日本	19-R-2	C
3	今井俊介	大学院生	明治薬科大学	日本	R-19-4	C
4	大河 優	大学院生	明治薬科大学	日本	R-19-4	C
5	尾林 信哉	大学院生	明治薬科大学	日本	R-19-2	C
6	古屋 博美	大学院生	明治薬科大学	日本	R-19-3	C
7	Melefei E. Bungiham	助教	サントメリー大学	フィリピン	R-19-4	C
8	Robin Doley	博士研究員	シンガポール国立大学	シンガポール	R-19-2	C

タイ国側参加者リスト（60名）

チュラロンコーン大学薬学部	20名
プリンス オブ ソンクラ 大学	14名
ナレスワン大学	9名
マヒドン大学	5名
コンケン大学	1名
スリナカリンウィロ大学	1名
ワラリラク大学	3名
その他	7名

JSPS/MPU AA Scientific Platform Program Members



5. 当日の光景

【Registration】



【Conference Room】



【Opening Ceremony】Welcome Speech by Dr. Khanit Suwanborirux (CU) & Dr. Takashi Morita (MPU)



【Keynote Lecture】8:30-9:00 am October 26 (2007)

Biomimetic Chemical Transformation of the Corynanthe Type Indole Alkaloids

Chair



Dr. Sunibhond Pummangura

Speaker



Emeritus Professor Shin-ichiro Sakai



【Plenary Lecture 1】 PL 1 9:00-9:30 am

Recent Investigation of Bioactive Marine Natural Products from Thai Natural Sources

Chair



Dr. Naoki Saito (MPU)

Speaker



Dr. Khanit Suwanborirux



【Session 1】 9:30-10:30 am

OP-1: Bioactive Secondary Metabolites from Endophytic Fungi of Thai Medicinal Plants

OP-2: Marine-Derived Terpenoids: The Prospect of Not-So-Fun Compounds

OP-3: Exploration of Acetylcholinesterase Inhibitors from Thai Biodiversities

Chair



Dr. Takashi Morita (MPU) & Dr. Akkuharawit Kanjana-Opas (Prince of Songkla Univ.)

Speaker (OP-1)



Dr. Suthep Wiyakrutta (Mahidol Univ.)

Speaker (OP-2)



Dr. Anuchit Plubrukarn (Prince of Sngkla Univ.)

Speaker (OP-3)



Dr. Kornkanok Ingkaninan (Naresuan Univ.)

【Plenary Lecture 2】 PL 2 10:30-11:00 am

Investigation and Syntheses of Novel Analgesic Indole Alkaloids in Rubiaceous Medicinal Plants

Chair



Dr. Chamnan Patarapanich (CU)

Speaker



Dr. Hiromitsu Takayama (Chiba Univ.)



【Session 2】 11:00-12:00 am

OP-4: Discovery Unpredictable Intramolecular Diels-Alder Reaction in Highly Polar Media

OP-5: Bioactive Compounds from Indonesian Tropical Plants

OP-6: Philippine Medicinal Plants: In Search for Phytotherapeutics

Chair



Dr. Kazuhiko Oishi (MPU) & Dr. Anuchit Plubrukarn (Prince of Songkla Univ.)

Speaker (OP-4)



Dr. Naoki Saito (MPU)

Speaker (OP-5)



Dr. Euis Holisotan Hakim (Institut Teknologi Bandung)

Speaker (OP-6)



Dr. Maribel G. Nonato (Univ. of Santo Tomas)

【Plenary Lecture 3】 PL 3 1:30-2:00 pm

Protein Microarray Analysis of Prion Protein Interactome

Chair



Dr. Nongluksna Sriubolmas (CU)

Speaker



Dr. Jun-ichi Sato (MPU)



【Session 3】 2:00-3:00 pm

OP-7: Use of Snake Venom Proteins in Studies of the Structure and Function of Coagulation Factors

OP-8: Neuroangiogenic Potential of Neural Stem Cells

OP-9: Should We Consider the Involvement of Microorganisms in All Diseases?

Chair



Dr. Kiyotaka Koyama (MPU) & Dr. Duangdeum Meksuriyan (CU)

Speaker (OP-7)



Dr. Takashi Morita (MPU)

Speaker (OP-8)



Dr. Kazuhiko Oishi (MPU)

Speaker (OP-9)



Dr. Takashi Sugita (MPU)

Enjoy Food & Drink



Welcome Dinner: October 26, 2007



【Plenary Lecture 4】 PL 4 9:00-9:30 am

Evaluation of Indian Herbal Drugs in Experimental Models of Central Nervous System Disorders

Chair



Dr. Maribel G. Nonato (Univ. Santo Tomas)

Speaker



Dr. Y. K. Gupta (Indian Institute of Medicinal Science)



【Session 4】 2:00-3:00 pm

OP-10: Evaluation of Antiinflammatory Activity of Plant Lipids Containing Alpha Linolenic Acid

OP-11: Investigation of the Truth --- Don't Leave the Question---

Chair



Dr. Euis Holisotan Hakim (ITB) & Dr. Kornkanok Ingkaninan (Naresuan Univ.)

Speaker (OP-10)



Dr. Surender Singh (Indian Institute of Medical Science)

Speaker (OP-11)



Dr. Kiyotaka Koyama (MPU)

【Short Oral Presentation】 10:20-12:00 am (21 presenters)

Chair



Dr. Pornchai Rojsiitisak (CU) & Dr. Taksina Chuanasa (CU)

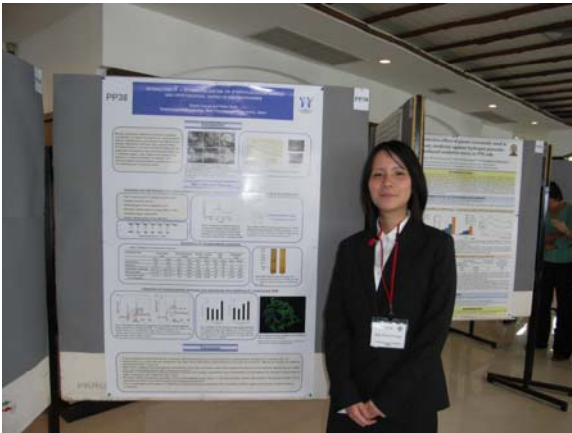
Presenters

PP1	PP2	PP4	PP6
Darumas U (CU)	Koeyasin P. (BNPME)	Daikuhara N. (MPU)	Bunsiriluck S. (CU)
PP9	PP11		PP17
Chanthathamrongsiri (PSU)	Ohkawa Y. (MPU)		Oyuchua M. (Mahidol U.)

PP18	PP19	PP21	PP22
			
Boonthanon N. (CU)	Juliawaty L. D. (ITB)	Ferlinahayati M. Si. (ITB)	Musthapa I. (ITB)
PP25	PP26	PP33	PP35
			
Mingmuang J. (BNPME)	Pabon W. (NU)	Bungihan M. F. (UST)	Imai S. (MPU)
PP38	PP40	PP41	PP43
			
Furuya H. (MPU)	Temkitthawon P. (NU)	Obayashi S. (MPU)	Doley R. (Singapore U.)
PP44			
			
Fujisawa D. (MPU)			

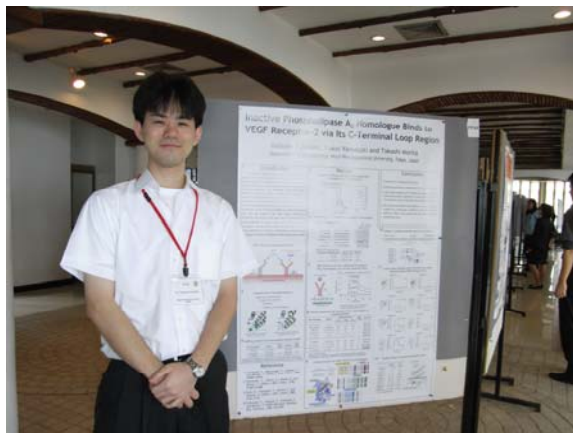
【Poster Session】 1:30-4:00 pm

PP38 Hiromi Furuya (MPU)



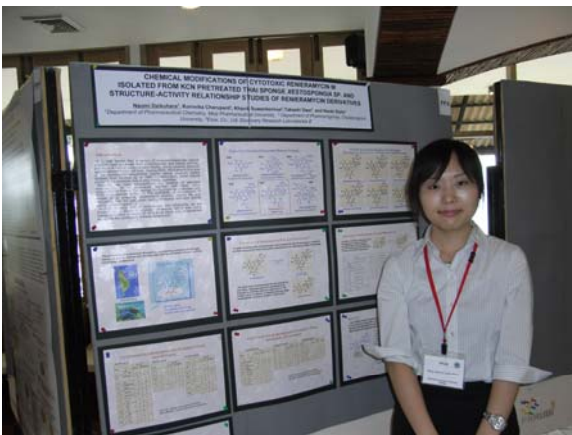
Department of Microbiology

PP44 Daisuke Fujisawa (MPU)



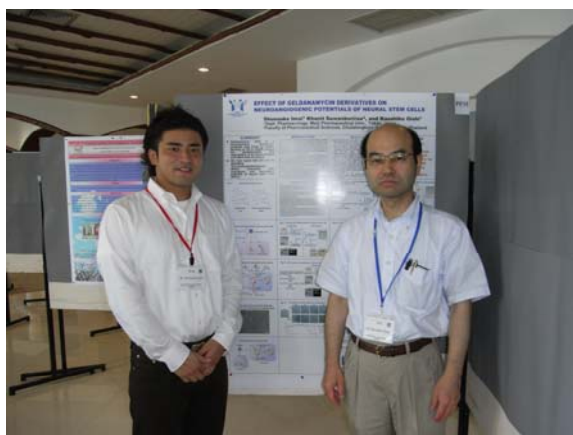
Department of Biochemistry

PP4 Naoki Daikuhara (MPU)



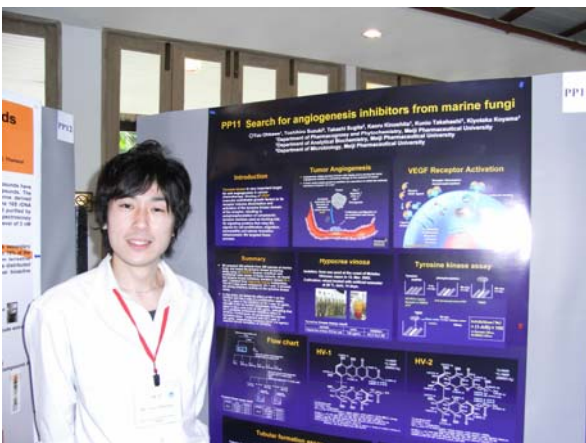
Department of Pharmaceutical Chemistry

PP35 Shunsuke Imai (MPU)



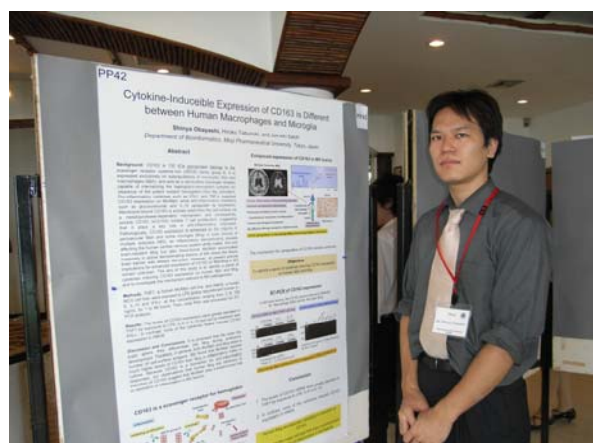
Department of Pharmacology

PP 11 Yuu Ohkawa (MPU)

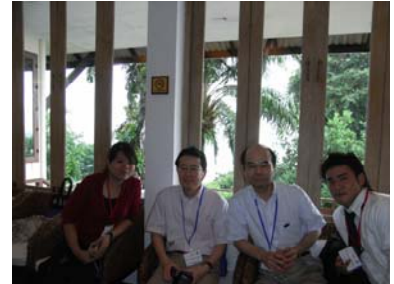
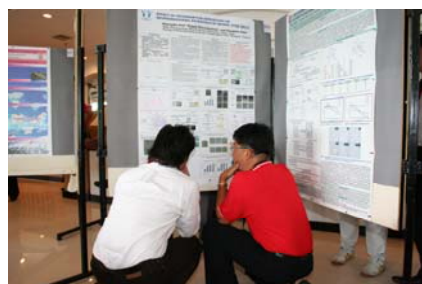
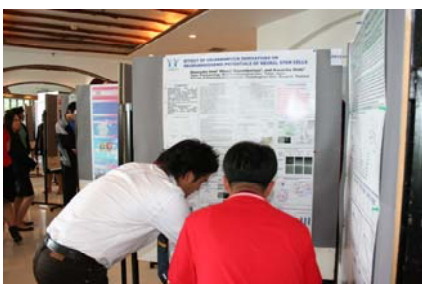
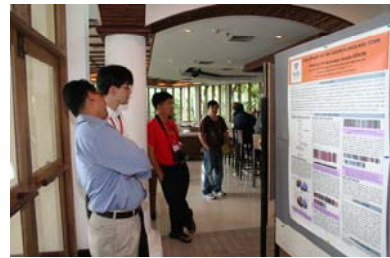
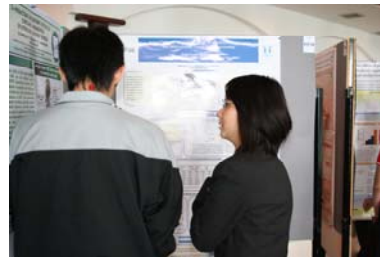
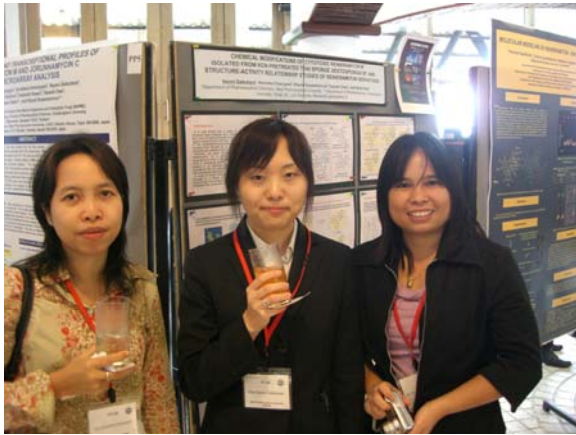
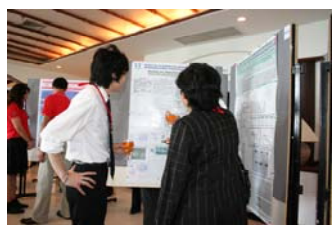


Department of Pharmacognosy

PP 42 Shinya Obayashi (MPU)



Department of Bioinformatics





Selection of the Award by the Organizing Committee Members



【Poster Award】



Winners of the Award

PP-4 Naomi Daikuhara



Chemical Modifications of Cytotoxic Renieramycin M Isolated from KCN Pretreated Thai Sponge *Xestospongia* sp. and Structure-Activity Relationship Studies of Renieramycin Derivatives
Meiji Pharmaceutical University (Japan)

PP-6 Supaporn Bunsiriluck



Cellular Source of Renieramycin M in the Blue Sponge *Xestospongia* sp.
Chulalongkorn University (Thailand)

PP-16 Oraphan Sakulkeo



Pyrrrole Derivatives from the Marine Gliding Bacterium
Prince of Songkla University (Thailand)

PP-22 Iqbal Musthaps



Bioactive Prenylflavones from some Indonesian *Artocarpus*
Institut Teknologi Bandung (Indonesia)

PP-27 Watoo Phrompittayarat



An Enzyme-linked Immunosorbant Assay Using Polyclonal Antibodies
Naresuan University (Thailand)

PP-35 Sunsuke Imai



Effect of Geldanamycin Derivatives on Neuroangiogenic Potential of Neural Stem Cells
Meiji Pharmaceutical University (Japan)

【Banquet】 2008/10/27: 6:30-9:00 pm



Playing Thai Dance



My Beloved Advisor (the Best Couple of Student and Teacher)

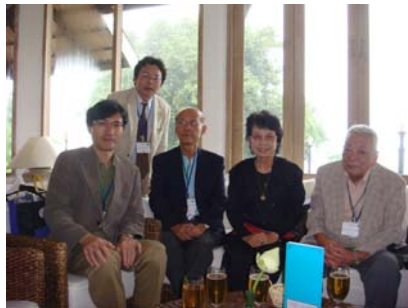


Enjoy Dinner with a lot of Discussion



【Miscellanea】

JSPS Project Member





Graduate Students (MPU)





【日本側支援事業総括部・課】

責任者：小林恭子（明治薬科大学・総務チーム）

担当者：宮崎秀信（明治薬科大学・財務チーム）

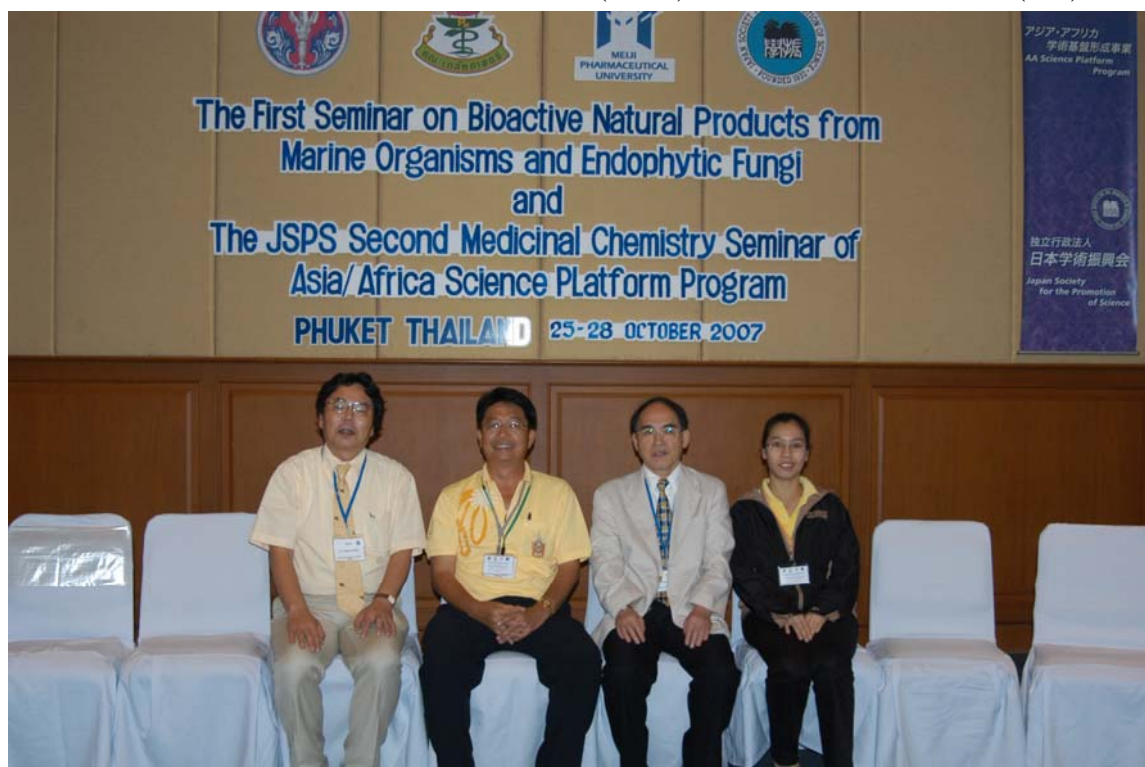


Attendance of the JSPS Medicinal Chemistry Seminar of AA Scientific Platform Program



Organizing Committee

Chair person: Dr. Takashi Morita (MPU) & Dr. Khanit Suwanborirux (CU)
Secretariats: Dr. Naoki Saito (MPU) & Dr. Taksina Chuanasa (CU)



【Excursion】
Sightseeing



Elephant Ride





The JSPS 2nd Medicinal Chemistry
Seminar of Asia/Africa
Science Platform Program
25-28, October, 2007 (Phuket, Thailand)

To think about
Drugs from Natural
sources, Marine in particular,
a superb and perfect Venue.
The great hospitality, rich
science and good fun. A
rare combination
Congratulation
& Compliments from INDIA

Y. K. GUPTA
SURENDER SINGH
Y. Gupta
SINGH

Thank you very much!
Shin-ichi Sakai

I feel very happy and
want to see everyone again
or Pleenthip
Very enriching exchange
of scientific discourses!
Great opportunity for
the students. Your idea
of inviting the professors with
their students would certainly
create a big impact on the
professional growth of these
future scientists. Thank You.
Maribel A. Sonato
Philippines

I sincerely hope a happiness and
healthiness of all the participants.
H. Takayama

"I feel very happy to have the chance
to participate in this interesting seminar
at the nice and beautiful place.
Further advancement
working in this area is
important
Indonesia
Samsul Pu

Thank you for your kind
hospitality! Kaz Oishi

I deeply appreciate your
kind organization for this
international seminar.
Thank you very much.
TAKASHI MORITA

Hope to see you all again
Khamit Sumrit
A scientist said "Don't leave the question"
Kiyotaka Koyama

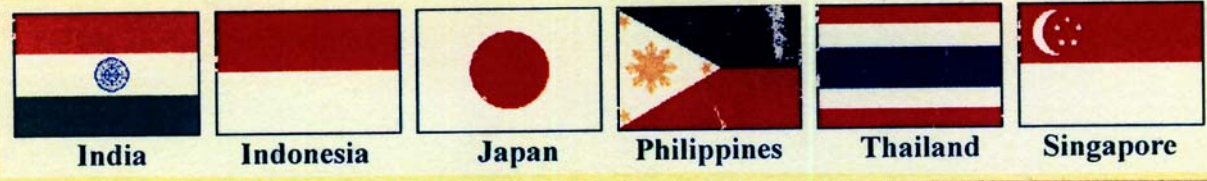
I am very happy
to have a chance
in this conference
and gain
with everybody
Dr. Komvick Charupatt
Hualo
I'm very happy to meet
all of our MEMBER.

We are friends!
Takashi Sugita

I strongly hope everyone
for the success in near future
Junichi Satoh

Well organized seminar at the beautiful
place so wonderful. > really enjoyed
Emi H. Hekim
Indonesia

Thank you very much!
Nidenolin Riyozaki



"Thank you"
Syoko Kobayashi