Congress Report

Scientific Report on 5th Congress of Asia Pacific Society for Medical Mycology (APSMM 2013)

WATANABE Shinichi, Treasurer of APSMM (Tokyo)
HIRUMA Masataro, Secretary General of APSMM (Tokyo)
RANYUPING, Congress president of APSMM 2013 (Chengdu)

The 5th Congress of Asia Pacific Society for Medical Mycology (APSMM 2013) was held on June 19-20, 2013 at the Century City International Convention Center (CCICC) in Chengdu, China by Prof. Ogawa Hideoki, the president of APSMM, Prof. Ran Yuping, the Congress president of APSMM 2013 and the Organizing Committee members (Table 1), and which attracted lots of participants from Asia Pacific countries and regions. It achieved a huge success.

APSMM has a 17-year history starting from the first congress in Bali island, Indonesia, in 1997, which was chaired by Prof. Unandar BUDIMULJA and APSMM congress has since been conducted in Kunming (Prof. Wang Duanli, 2001), Bangkok (Prof. Preya KULLAVANIJAYA 2005), and Seoul (Prof. Ro Byung In, 2008). The APSMM congresses attracted lots of participants from Asia Pacific countries and regions.

Chengdu is the vibrant city of western China, which is an old city with thousands years history. Also it is an advanced, active and friendly city. More than four thousand years ago, the prehistorically Bronze Age culture of “Jin Sha” established itself in this region. The fertile Chengdu Plain, on which Chengdu is located, is also known as “the land of abundance”, which literally means “the country of heaven”. There have plentiful famous scenic spots such as Jiuzhaigou, Dujiangyan Irrigation System, Emei Mountain and Panda Breeding Research Base. Sichuan cuisine enjoys an international reputation for spicy and flavorful such as Bean Sauce Tofu (Ma Po Dou Fu) and Kung Pao Chicken.

The highlight of the 5th APSMM congress was joining with the 19th Annual Meeting of Chinese Society of Dermatology (CSD), 2013 International Dermatogenetics Workshop (IDGW) and International Symposium of Epigenetics and Autoimmune Diseases (ISEA), all in the same new and huge venue, Century City International Convention Center (CCICC). The theme of this interdisciplinary conference is “Dermatology For All”. For the 5th APSMM congress, the theme was “Translational Medical Mycology: from bedside to bench to bedside”.

Professor Ogawa Hideoki (CEO of Juntendo) was assigned as the president of APSMM (Fig. 1) and Professor Ran Yuping (Chengdu) as the congress president of APSMM 2013 (Fig. 2). Four international famous mycologists were invited as special lecturers. Professor Kohno Shigeru from Nagasaki reported “Outline of Japanese Guidelines for Management of Deep-seated Mycoses 2014”. Professor Sean X. Zhang from Maryland reported “An outbreak of fungal meningitis associated with contaminated methylprednisolone injections in the USA”. Professor Xi Liyan from Guangzhou talked about “Penicillium marneffei infection in China: Epidemiology and pathogenesis research update”. Professor Huang Xiaojun from Beijing reported “The epidemiology of invasive fungal infection in Chinese patients with hematological malignancies”. Six symposia including “Hot Topics in Asia-Pacific Area”, “Recent advance on Malassezia”, “Sporotrichosis: Epidemiologic, Molecular and Clinical Advance”, “Emergency fungal infection and therapeutic challenge”, “Management of Fungal Infection”, and 2 satellite luncheon seminars with 29 scholars delivered excellent speeches. The program of APSMM 2013 is shown below.
Table 1. the Organizing Committee members

<table>
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<tr>
<th>Position</th>
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<tr>
<td>President</td>
<td>OGAWA Hideoki (Tokyo)</td>
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<td>Honorary Members</td>
<td>Unandar BUDIMULJA (Jakarta)</td>
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<td>Vice President</td>
<td>B.M.HEMASHETTAR (Belgaum, India)</td>
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<td>Preya KULLAVANIJAYA (Bangkok)</td>
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<td>Li Ruoyu (Beijing)</td>
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<td>RO Byung In (Seoul)</td>
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<td>Treasurer</td>
<td>WATANABE Shinichi (Tokyo)</td>
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<td>Vice Treasurer</td>
<td>TSUBOI Ryoji (Tokyo)</td>
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<td>Directors</td>
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<td>SHIBUYA Kazutoshi (Tokyo)</td>
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<td>RAN Yuping (Chengdu)</td>
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<td>President</td>
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<td>Assistant secretary of 2013 APSMM</td>
<td>Chen Xuejun (Chengdu)</td>
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Fig. 1. The president of APSMM, Professor Ogawa Hideoki, gives the opening speech.

Fig. 2. Prof. Ran Yuping, the congress president of APSMM 2013 gives address.
Oral Presentation

  - Shigeru Kohno

- **PA-02** An outbreak of fungal meningitis associated with contaminated methylprednisolone injections in the USA
  - Sean X. Zhang

- **PA-03** *Penicillium marneffei* infection in mainland China: Epidemiology and pathogens is research update
  - Liyan Xi, Sha Lu, Yongxuan Hu, etc.

- **PA-04** The epidemiology of invasive fungal infection in Chinese patients with hematological malignance
  - Xiaojun Huang

- **PA-05** Cryptococcosis Among HIV-Infected Patients in Jakarta, Indonesia
  - Peiying Feng, Corné H.W. Klaassen, Jacques F. Meis, etc.

- **PA-06** Use of Amplified Fragment Length Polymorphism to Identify 76 Phialophora and Cyphellophora isolates, related to cutaneous mycosis with in vitro Antifungal susceptibility
  - Fiona Namutebi, Zeng Jingsi, Mao Yehong, etc.

- **PA-07** Quantitative Real-Time PCR for Diagnosis of Human Penicilliosis marneffei
  - Dongdong Mo, Cunwei Cao, Jin Yu

- **PA-08** Isolation rates of dermatophytes from soil near dogs and horses in Daegu, Korea
  - Jong Soo Choi, Seung Hyun Sohng, Dong Hoon Shin

- **PA-09** Rapid detection and identification of Onychomycosis causative organisms using PCR-Reverse Line Blot method directly from nail samples within 72 hours.
  - Huaiqiu Huang, Liyan Yuan1, Xiaohui Zhang, etc.

- **PA-10** Clinical and molecular epidemiological study on kerion in children from Southwest China
  - Hao Zhang, Yuping Ran, Xincai Xiong, etc.

- **PA-11** Identification of *Trichosporon* species based on Phylogenetic and BLAST analysis
  - Xincai Xiong, Tonya Watkins, Ling Wang, etc.

- **PA-12** Electrophoretic Karyotyping of *Trichosporon asahii*
  - Peiying Feng, Corné H.W. Klaassen, Jacques F. Meis, etc.

- **PA-13** Comparative genomics of *Malassezia*: A breakthrough in our knowledge
  - Takashi Sugita

- **PA-14** Molecular Biological Identification of *Malassezia* Yeasts using Pyrosequencing
  - Xiaowen Wang, Wei Liu, Ruoyu Li, etc.

- **PA-15** Analysis of *Malassezia* species in Pityriasis Versicolor Patients and Healthy Indians in China
  - Yuping Ran, Bin Yin, Huixin Wan, etc.

- **PA-16** The study of T-DNA insertional mutagenesis in *Sporothrix schenckii* and analysis function of the copper transporter protein
  - Li Wang, Dan He, Huimei Yu, etc.

- **PA-17** Genotyping Characteristics of *Sporothrix schenckii* by Random Amplification of Polymorphic DNA in Guangdong
  - Huaqiu Huang, Liyan Yuan1, Xiaohui Zhang, etc.

- **PA-18** *Sporothrix schenckii* Infection and Host Immune Responses
  - Shanshan Li, Yang Song

- **PA-19** The clinical manifestations and treatment of sporotrichiosis
  - Fuqiu Li, Sha Lv

- **PA-20** Medical Mycology in Space
  - Koichi Makimura

- **PA-21** Identification of the Oral Fungal Microbiome in Healthy Volunteers from Three Chinese Ethnic Groups
  - Fan Cui, Youwei Wang, Zhen Rang, etc.

- **PA-22** A case of primary cutaneous *Mucor irregularis* infection cured by amphotericin B
  - Li Lina, Kang Daoxian, Ran Yuping, etc.

- **PA-23** Cutaneous mucormycosis caused by *Mucor irregularis*: report of 3 cases
  - Xiaowen Wang, Wei Liu, Ruoyu Li, etc.

- **PA-24** Outline of JSMM Clinical Practice Guidelines for Diagnosis and Treatment of Invasive Candidiasis
  - Takahiro Takuma, Yoshihito Niki

- **PA-25** New trends in topical therapeutic agents for tinea pedis and onychomycosis
  - Ryoji Tsuboi

- **PA-26** Optimizing treatment for Tinea Capitis
  - Rataporn Ungpakorn

- **PA-27** *Penicillium marneffei* Sepsis in an HIV-infected Patient
  - Qin Huang, Dong-ming Li, Ting-ting Sun, etc.

- **A-28** The Burden of Serious Fungal Infections in Sri Lanka
  - Primali Jayasekera, David
E-poster Presentation

■ PO-01 Efficacy of Inhaled Itraconazole against Murine Invasive Pulmonary Aspergillosis with Itraconazole-Low Susceptible Aspergillus fumigatus
   Katsushi Hirano, Koichi Izumikawa, Kosuke Kosai, etc.

■ PO-02 Analysis of the Growth Characteristics of Aspergillus fumigatus in Different Temperature and Nutrient Media
   Jinqing Zhang, Wei Liu, Jingwen Tan, etc.

■ PO-03 Mps1 Kinase is Required for Normal Nuclear Segregation in Aspergillus fumigatus
   Takashi Ueyama, Satoshi Yamagoe, Koichi Tanabe, etc.

■ PO-04 The Role of Two-Component Sensor Kinase TcsB in the Human-Pathogenic Mold Aspergillus fumigatus
   Naobumi Tochigi, Tsunehiro Ando, Minoru Shinozaki, etc.

■ PO-05 A Case of Primary Cutaneous Cryptococcus neoformans Infection in a Patient with Systemic Lupus Erythematosus
   Hirofumi Hirano, Junko Wakamatsu, Junya Mizukami, etc.

■ PO-06 Histological Analysis of Chronic Necrotizing Pulmonary Aspergillosis
   Rong Zeng, Min Li, Qing Chen, etc.

■ PO-07 Effect of Mild Heat Stress on Aspergillus fumigatus Biofilm Formation and Its Antifungal Susceptibility in vitro
   Zhen Xie, Yuping Ran, Youwei Wang, etc.

■ PO-08 A Case of Cutaneous Ulcers Caused by Candida parapsilosis and Candida krusei
   Yuebin Zeng, Yuanshu Qian, Bin Hou, etc.

■ PO-09 Effects of the Litsea Cubeba Oil on Gene Expression Profile of Candida albicans
   Harunari Shimoyama, Yoshihiro Sei, Kazuo Sato, etc.

■ PO-10 Molecular Cloning, Modeling and Differential Expression of a Sporothrix schenckii Silent Information Regulator-Like Protein, SsSir2
   Yoichiro Okubo, Hideaki Ohno, Shuhei Yamamoto, etc.

■ PO-11 Pathogenicity Study of Fonsecaea monophora
   Xinjiang Zhang, Qin Qin

■ PO-12 Reverse line Blot Hybridization Assay for Identification of Medically-related Yeasts
   Zhongsheng Tong, Bilin Dong, Dongsheng Li, etc.

■ PO-13 Identification of Causative Agents of Onychomycosis by Real-Time PCR
   Harunari Shimoyama, Yoshihiro Sei, Kazuo Sato, etc.

■ PO-14 Application of Long-pulse Nd-Yag 1064nm Laser to Onychomycosis
   Yu Ri Kim, Yu Na Lee, Yang Won Lee

■ PO-15 Difference in Pathophysiology of Experimental Cryptococcus between C. gattii and C. neoformans
   Yoichiro Okubo, Hideaki Ohno, Shuhei Yamamoto, etc.

■ PO-16 A Case of Secondary Cutaneous Cryptococcusosis
   Ayaka Yo, Takamitsu Tanaka, Takamitsu Ohnishi, etc.

■ PO-17 Microsatellite Genotyping of Cryptococcus neoformans isolated in partial southwest area of China
   Zhao Liang, Chen Yuru, Tang Xiwen, etc.

■ PO-18 Gene Disruption in virulence study of Cryptococcus neoformans
   Yuru Chen, Liang Zhao, Meizhu Wang, etc.

■ PO-19 Differentiation of Dermatophytes by Metalloproteinase-1 PCR-RFLP
   Soo Young Kim, Ho Jung Jung, Jae Wook Jung, etc.

■ PO-20 A Case of Tinea Scrotum with Pseudomembranous-like Lesions Caused by Microsporum gypseum Infection
   Changping Yu, Shufen Wang

■ PO-21 Kerion Caused by Microsporum canis, A Case Report
   Qiong Wang, Yingying Dong, Xinwu Niu, etc.

■ PO-22 Morphogenesis and Species Specificity of Chlamydoспоре-like Structures of Trichophyton tonsurans
   Takashi Mochizuki, Kazushi Anzawa, Machiko Fujihiro

■ PO-23 A Case of Tinea Capitis Caused by Athroderma otae with Secondary Psoriasis
   Wenying Hu, Yuping Ran, YaLing Dai

■ PO-24 Microsporum canis Infection in Three Familial Cases with Tinea Capitis and Tinea Corporis
   Bin Yin, Yuling Xiao, Yuping Ran, etc.

■ PO-25 A Case of Majocchi’s granuloma due to Trichophyton rubrum: Molecular Evidence of Autoinoculation and a Review
   Ying Zhao, Lianjun Chen, Li Li, etc.
PO-53 Sporotrichosis on the Left Forearm Secondary to Scratching of A Wart on the Left Forefinger  
Huiying Wan, Yuping Ran

PO-54 Clinical Analysis of 186 cases of Facial Sporotrichosis  
LanXiang Jiang, Ying Ying Zhu, Xiao Qing Jian, etc.

PO-55 Identification of Fusarium from a Patient with Fungemia after Multiple Organ Injury  
Yuli Kang, Li Li, Qiangqiang Zhang, etc.

PO-56 Effects of Gliotoxin in the Vitro Model of Human Bronchial Epithelial Cell Infected by Aspergillus fumigatus  
Zheng Jianfeng

PO-57 Screening and Identification of Differentially Expressed Proteins Among Kerion Strain, Capitis Strain and Corporis Strain of Microsporum canis  
Mingxin Li, Jianwen Liu, Guoling Yang

PO-58 Primary Cutaneous Mucormycosis Caused by Rhizomucor variabilis  
Chunxia He, Bing Liu, Yao Wang, etc.

PO-59 Pathophysiological Implication of Reversed CT Halo Sign in Invasive Pulmonary Mucormycosis: A Rare Case Report  
Takao Ishiwatari, Yoichiro Okubo, Haruka Izumi, etc.

PO-60 Common Nail Disease and Differential Diagnosis of Onychomycosis  
Qiuhe Song

PO-61 Administration Itraconazole Capsule with Milk Enhancesthe Efficacy than with Water for Tinea Capitis-SEM Observation  
Shuang Chen, Yuping Ran, Dai Yalin, etc.

PO-62 A Case of Infantile Onychomycosis Cured by 5% Amorolfine Nail Lacquer  
Shuang Chen, Yuping Ran, Yalin Dai, etc.

PO-63 Discussion on Several Problems in the Treatment of Fungal Infections  
Qiuhe Song

PO-64 Quantitative Analysis of Cutaneous Malassezia in Healthy Indian Students During Stay Chengdu Using Real-Time PCR  
Jebina Lama, Yuping Ran Bin Yin, etc.

PO-65 Investigation of Predisposing Factors of Diabetes Patients in Onychomycosis  
Yuntong Niu, Jichun Shen, Tao Lu, etc.

PO-66 Comparison of In Vitro Activity of Various Antifungal Drugs Against Clinically Important Non-Dermatophyte Species Causing Superficial Mycoses  
Hiroyasu Koga, Yasuko Nanjoh, Sutthirat Reangchainam, etc.

PO-67 Studies on Antifungal resistance of Pathogenic Aspergillus spp. in China  
Wei Liu, Ruoyu Li, Yi Sun, etc.

Almost 200 scientists participated from China, Japan, USA, South Korea, Indonesia and Thailand et al. attended the grand meeting. A total of 103 articles were collected in this seminar (Fig. 3). A total of 66 E-posters were submitted. Finally, after counting the votes of the scientific committee members, 6 prize winners were announced who got the 1st, 2nd and 3rd awards respectively (Fig. 4). This grand meeting provided a great opportunity for participants to communicate with each other on the last advance of medical mycology, and has strengthened the friendship between participants as well as all mycologists in this region. The fantastic social activities such as Panda tour, Sichuan culture show and delicious Sichuan cuisine at the farewell party left an unforgettable impression for all of the participants.
Fig. 3. A part of the participants of 2013 APSMM. From left to right: Prof. Liu Weida, Prof. Rataporn UNGPAKORN, Prof. Kang Qianying, Prof. Nishimoto Katsutaro, Prof. Ran Yuping, Prof. Ro Byung In, Prof. Li Ruoyu, Prof. Ogawa Hideoki, Prof. Watanabe Shinichi, Prof. Tsuboi Ryoji, Prof. Ahn Kyu Joong, Prof. Kusmarinah BRAMONO, Prof. Ikeya Tazuko, Prof. Ikeda Shigaku and Prof. Mochizuki Takashi.

Fig. 4. E-poster award winners were announced at the farewell party (from left to right: Prof. Liao Wanqing, Prof. Li Ruoyu, Prof. Ran Yuping, Dr. Zhuang Kaiwen (e-poster award winner), Prof. Ogawa Hideoki, and Prof. Mochizuki Takashi (e-poster award winner))