

JSPS Asian Core Program: 7th & 8th ICCEOCA (Phase II/NICCEOCA-3 & -4), 2nd & 3rd Junior ICCEOCA, and Partly IUPAC Asian Project

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It is coming to the 9th year since the Asian Core Program: Cutting-Edge Organic Chemistry in Asia (ACP-CEOCA) was officially inaugurated on October 12, 2005, with the approval from the Japan Society for the Promotion of Science (JSPS) as the first multinational Asian Core Program. Throughout the years, appreciable efforts and collaborations among the key organic chemist members from the East and Southeast Asian countries/regions have made the program so successful, and the activity goal could not have been achieved without the generous supports from the funding agencies in the member countries/regions. Prior to the establishment of the program, Minoru Isobe (formerly a professor at Nagoya University, Japan, and the President of the IUPAC Organic & Biomolecule Division) visited and ob-

tained an approval from every key coordinator of the member countries/regions. The 0th International Conference on Cutting-Edge Organic Chemistry in Asia (ICCEOCA-0) was then organized by Isobe during March 8–12, 2006, at the Noyori Conference Hall, Nagoya University, Japan, where the first stage structure was established in collaboration with those coordinators, namely Sunggak Kim (KAIST/KOSEF/CMDS), Guo-Qiang Lin (SIOC/NSFC), Henry N. C. Wong (CUHK), Somsak Ruchirawat (CRI/NRCT), Chun-Chen Liao (NTHU/NSCT), Koichi Narasaka (The University of Tokyo), as well as the General Secretary Pauline Chiu (HKU, IUPAC) (Project No. 2005-039-2-300 and 2011-041-1-300; for further details, please see ref. [1]). Since then, two additional countries have joined the ACP-CEOCA, namely Singapore (2007) and Malaysia (2009). To date, 9 ICCEOCAs, 3 pre-/post-/satellite-symposia, > 400 exchanges of Lectureship Awardees, as well as a number of workshops and a junior program (partly joint with the IUPAC) have been accomplished. It is highly fortunate to have such scientific activities at cutting-edge level of organic chemistry from the beginning of the program to continuously attract more potential candidates to participate in the ACP-CEOCA. Over the past 8 years, the total number of active participants in this program exceeded 1000 from 8 member countries/regions, as well as non-member Asian countries. This article as a “Community Report” aims at informing the readers, who have recently joined the ACP-CEOCA, about 1) the aims and goals and 2) the agreements for further improvement of the program.

Aims of the Asian Core Program: Cutting-Edge Organic Chemistry in Asia: The JSPS’s Asian Core Programs that form the basis of this effort aim “to create world-class research hubs in selected fields within the Asian region, while fostering the next generation of leading researchers by establishing sustainable collaborative relations among research/education institutions in Japan and other Asian countries under this program. The core and member institutions will collaborate in cutting-edge fields of research and on research topics deemed to be of high international importance. The core institutions in Asian countries conduct exchanges based on a principle of equal partnership in the form of joint research, scientific meetings, and researcher exchanges. It is anticipated that the hubs formed by the core institutions will continue to carry out research activities

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after the funded project has ended.” With respect to our approved Asian Core Program for organic chemistry, the aim is to establish a sustainable program of high-quality organic chemistry research, development, and applications in the Asian region through showcases, collaborations, exchanges, and facilitation of discussions. The scope of organic chemistry is not limited to the core areas of organic synthesis, either synthetic methodology or total synthesis, but also includes nanochemistry, green chemistry, bioorganic chemistry, structural and material sciences, environmental chemistry, as well as the applications of these fields to ultimately benefit the society and economy of the East Asian region (as of February 18, 2006).

Establishing an Asian Network for Organic Chemistry: Isobe also launched an IUPAC project entitled “Strategic Planning for a New East Asian Network for Organic Chemistry” as a parallel program. (Project No. 2011-041-1-300; [http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1\[project_nr\]=2011-041-1-300](http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2011-041-1-300)) The vision was to extend these cooperative efforts to establish multilateral communication and collaborations among neighboring Asian countries. The purposes of the IUPAC project are to plan the best strategy to link with the JSPS’s initiatives and establish a cooperative network that will provide maximum support for organic chemists throughout the East Asian region. The proposed Network would be expected to promote collaborative research based on interactive relationships, academic exchanges, and activities. The Network would also be specially communicated to facilitate the development of organic chemistry in less-developed Asian countries. Workshops on aspects of organic chemistry, chemical techniques, and current research trends will be organized to enhance the knowledge in organic chemistry and research in the region. This will foster the development of science and science-based enterprises in these countries, catalyzing their progress into the science of chemistry research in the 21st century. The Task Group members are Minoru Isobe (Japan), Pauline Chiu (Hong Kong), Chin-Kang Sha (Taiwan), Keisuke Suzuki (Japan), Koichi Narasaka (The University of Tokyo, Japan), Eiichi Nakamura (The University of Tokyo, Japan), Eun Lee (Seoul National University, Korea), Chun-Chen Liao (Taiwan), Tien-Yau Luh (National Taiwan University, Taiwan), and Henry N. C. Wong (The Chinese University of Hong Kong, Hong Kong) (as of February 21, 2006).

Previous ACP Conferences, Lectureship Awards, and IUPAC Workshops: The ICCEOCA-1 was held at Tiruru, Naha City, Okinawa, Japan, during October 16–20, 2006, with 158 registered participants from 6 member countries/regions, while the first IUPAC Workshop was held in the morning of the first day at the same venue with about 35 participants from the member countries/regions, 1 each from Australia and Malaysia, 2 from the Philippines, as well as 14 from industry, and 1 from the funding agency. The second meeting, ICCEOCA-2, was subsequently held in Busan, Korea (September 2–6, 2007) with the 2nd IUPAC Workshop held on the first day. In April 2008, Toshio Nishikawa suc-

ceeded Isobe as the Chair of the ACP-CEOCA before the ICCEOCA-3 and the 3rd IUPAC Workshop were held in Hangzhou, China (October 19–23, 2008). As it had been halfway through the program, Nishida called for a start-up conference at Chiba University, Chiba, Japan, in August 2009 to prepare for the secondary phase of the ACP-CEOCA, and all the member countries/regions agreed to continue this program with an establishment of a junior program. The ICCEOCA-4 was then organized during November 29–December 3, 2009, with the 4th IUPAC Workshop included on the first day of the conference, at the Chulabhorn Convention Center, Chulabhorn Research Institute, Bangkok, Thailand. To conclude the first phase of the ACP-CEOCA, the 5th IUPAC Workshop was held jointly with the 14th Asian Chemical Congress 2011 (14 ACC 2011) on September 5, 2011, at the Queen Sirikit National Convention Center, Bangkok, Thailand. For more details of these activities, see the references cited below.^[2–5]

New Phase of Cutting-Edge Organic Chemistry in Asia

The new phase of the ACP-CEOCA has continued from the first phase under the new leader, Atsushi Nishida. The first international conference was organized as NICCEOCA-1, the equivalent of the ICCEOCA-5, during November 7–11, 2010, at the Ambassador Hotel, Hsinchu, Taiwan, along with the 0th Junior Workshop that was held in parallel at the National Tsing Hua University (November 6–8, 2010). In the following year, the 1st Junior International Conference on Cutting-Edge Organic Chemistry in Asia was held at Xiamen University, Xiamen, China (December 9–11, 2011), and then, Henry N. C. Wong and his team organized the ICCEOCA-6/NICCEOCA-2 at Cheng Yu Tung Building, The Chinese University of Hong Kong, Shatin, Hong Kong (December 11–15, 2011). Subsequently, the 2nd Junior ICCEOCA was organized by Noorsaadah Abd. Rahman and her team at the University of Malaya, Kuala Lumpur, Malaysia (December 8–11, 2012), preceding the ICCEOCA-7/NICCEOCA-3 that was held by Teck Peng Loh’s team at the Nanyang Technological University, Singapore, during December 11–14, 2012. Most recently, the 3rd Junior ICCEOCA was organized as a partly joint IUPAC Workshop by Nishida and his team from Chiba University at Seimei-no-Mori Resort, Chiba, Japan (November 22–25, 2013). Afterwards, the ICCEOCA-8/NICCEOCA-4 was held by Michio Murata and his colleagues from Osaka University at the Osaka International Convention Center, Osaka, Japan, during November 25–28, 2013. The 2nd and 3rd Junior ICCEOCA, ICCEOCA-7 (Singapore), and ICCEOCA-8 (Osaka, Japan) are described below in more detail.

Country/Local Coordinators and International Advisory Board Members

The major activity of this program is for the member countries/regions to take turn to organize an international

conference every year. In addition, another important activity involves the exchanges of the Lectureship Awardees throughout the year. For both activities, the country and local coordinators in this program not only help recruit potential organic chemists in the cutting-edge areas to participate in the annual conferences but also facilitate the exchange program, when necessary, based on their experiences throughout this program. In contrast, all the members can contribute by fostering junior organic chemists and inviting pre-junior students to the cutting-edge organic chemistry areas. It is worth mentioning that participation in this program is only by invitation from the organizing committee. The following list includes the current coordinators and international advisory board members. Those underlined represent the country coordinators, who will invite participants to this program every year.

Program Chair: Atsushi Nishida

*China*¹: Ming-Hua Xu, Ang Li, Zhenfeng Xi

Hong Kong: Henry N. C. Wong, Pauline Chiu

Japan: Atsushi Nishida, Toshio Nishikawa, Keiji Tanino, Hidenori Watanabe, Michio Murata, Shigeki Sasaki, Yoshiharu Iwabuchi, Keisuke Suzuki, Takenori Kusumi, Seijiro Matsubara, Zhaomin Hou

Korea: Kyo Han Ahn, Sung Ho Kang, B. Moon Kim

Malaysia: Noorsaadah Abd. Rahman, Yeun-Mun Choo

Singapore: Teck Peng Loh, Choon-Hong Tan, Yixin Lu

Taiwan: Biing-Jiun Uang, Chun-Cheng Lin, Chien-Tien Chen, Chun-Chen Liao, Minoru Isobe

Thailand: Somsak Ruchirawat, Poonsakdi Ploypradith, Nopporn Thasana (General Secretary, GS), Montakarn Chittchang (former GS)

The 2nd Junior International

Conference was held at the University of Malaya, Kuala Lumpur, Malaysia, by Noorsaadah Abd. Rahman (Chair) and Yeun-Mun Choo (Secretary) during December 8–11, 2012. The conference was attended by 59 organic chemistry graduate students and 16 professors (Figure 1 and Figure 2). During the conference, 26 oral presentations (15 min each) and 33 poster presentations were made by the students, while four professors gave the keynote lectures and chaired the sessions. The participating 16 professors/26 oral presenters/33 poster presenters included those from Japan (1/5/5), Taiwan (2/3/7), Korea (1/4/4), China (1/4/1), Hong Kong (0/2/2),

¹ The country coordinator for China has been changed from Zhu-Jun Yao to Ang Li of SIOC, and the four regional coordinators have been appointed for the corresponding areas as follows: 1. Beijing, Tianjin, Dalian: Zhenfeng Xi (Peking University); 2. Lanzhou, Chengdu, Kunming: Xiaoming Feng (Sichuan University); 3. Wuhan, Hefei, Zhengzhou: Aiwen Lei (Wuhan University); 4. Shanghai, Nanjing, Xiamen, Hangzhou, and others: Ang Li (SIOC), Ming-Hua Xu (SIMM), and Zhu-Jun Yao (Nanjing University).



Figure 1. Participants of the 2nd Junior ICCEOCA at the University of Malaya, Kuala Lumpur, Malaysia (December 8–11, 2012).



Figure 2. Organizers and participants from six countries/regions.

Table 1. Presentation Awards given at the 2nd Junior ICCEOCA.

| Best Oral Presentation Awards | | |
|---------------------------------|---------------------|---|
| O03 | Chunxiang Wang | Dalian Institute of Chemical Physics, China |
| O12 | Chakree Wattanasiri | Chulabhorn Graduate Institute, Thailand |
| O21 | Yong Li | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China |
| Best Poster Presentation Awards | | |
| P42 | Katsuya Noda | Kyushu University, Japan |
| P45 | Pin-Sheng Lee | Nanyang Technological University, Singapore |
| P46 | Tatsuhiko Yoshino | The University of Tokyo, Japan |

Singapore (0/2/3), Thailand (0/2/2), Indonesia (0/0/1), The Philippines (0/1/0), and Malaysia (11/3/8). This conference was generously supported by the University of Malaya, the Academy of Sciences Malaysia (ASM), and the funding agencies in the member countries/regions, as well as the IUPAC.

During the conference, three Best Oral and three Best Poster Presentation Awardees were selected by the student committee. The awards were presented by the professors to each awardee at the closing ceremony (Table 1).

In the morning of December 11, the participants of the 2nd Junior ICCEOCA enjoyed a 6-hour bus journey from Kuala Lumpur to Singapore to join the ICCEOCA-7, which officially started on December 12, 2012.

The 3rd Junior International Conference was organized by Nishida and his team from Chiba University (Chiba, Japan) during November 22–25, 2013, with supports from Chiba University, the JSPS, and the IUPAC. A total of 89 participants (22 professors/67 students) attended the conference, including those from China (1/8), Korea (1/7), Taiwan (2/11), Thailand (0/4), Malaysia (0/4), Singapore (0/3), and Japan (18/28), as well as two young chemists from Vietnam and the Philippines with support from the IUPAC (Figure 3). The conference consisted of 22 oral presentations and 36 poster presentations (with short oral presentations) for one and a half days. Additionally, four professors delivered the keynote lectures. Two students were given an opportunity to chair each student oral session and stimulate discussions so that they could practice their communication skills in English and also learn international sensibility.

Five and seven students were selected to receive the Best Oral Presentation Awards and the Best Poster Presentation Awards, respectively, as shown in Table 2. After the academic programs, all participants enjoyed a bus tour to Narita area, visiting a temple and a shopping mall before some participants proceeded to attend the main conference in Osaka. Although all the Best Oral Presentation Awardees were invited to give a short presentation at the ICCEOCA-8, only two students were able to do so because of the time limitation.

ICCEOCA-7 (NICCEOCA-3) was held at the Holiday Inn Atrium Hotel in Singapore and started with the Welcome Reception in the evening of December 11, 2012. Twenty participants from the 2nd Junior ICCEOCA in Kuala Lumpur arrived on time to join the reception. The next morning (December 12), Teck Peng Loh, the organizer of the ICCEOCA-7, welcomed all the participants at the Opening Ceremony. A total of 171 participants and 161 students were from China (43), Hong Kong (17), Japan (47), Korea (14), Malaysia (7), Singapore (159 including students), Taiwan (33), Thailand (10), Saudi Arabia (1), and the Philippines (1) (Figure 4). During the conference, there were 32 oral presentations (30 min each) and 139 poster presentations (2 sessions of 2 × 1 h), 5 coffee breaks, a friendship dinner, a dinner at The Line, Shangri-La Hotel, and a conference banquet. On the afternoon of the last day (December 14),



Figure 3. (a) Participants of the 3rd Junior ICCEOCA in Chiba, Japan (November 22–25, 2013); (b) Best Oral and Poster Presentation Awardees; (c) Participants from the Philippines and Vietnam.

all participants made a local tour to the Gardens by the Bay.

A total of 89 Lectureship Awards were selected as shown in Table 3. For future conferences, the coordinators agreed that the number of invitations given by each country (as summarized in Table 4) should be closer to the number received, according to the previous agreement.

Table 2. Presentation Awards given at the 3rd Junior ICCEOCA.

| Best Oral Presentation Awards | | |
|---------------------------------|--------------------------|---|
| O1 | Mr. Hidenori Todoroki | The University of Tokyo, Japan |
| O2 | Ms. Hyejin Kim | Seoul National University, Korea |
| O10 | Mr. Masaya Nakajima | Chiba University, Japan |
| O11 | Mr. Hui Chen | Nanyang Technological University, Singapore |
| O17 | Ms. Jia Ti Tee | University of Malaya, Malaysia |
| Best Poster Presentation Awards | | |
| P1 | Ms. Atsuko Awata | Chiba University, Japan |
| P12 | Mr. Wei-Chen Hsiao | National Tsing Hua University, Taiwan |
| P15 | Mr. Chatchai Kesornpun | Chulabhorn Graduate Institute, Thailand |
| P18 | Mr. Bing Li | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China |
| P19 | Mr. Kazuhiro Komatsuzaki | Chiba University, Japan |
| P25 | Mr. Yoshihiro Ogura | Nagoya University, Japan |
| P35 | Ms. Xiaofei Yang | Chiba University, Japan |



Figure 4. Participants of the ICCEOCA-7 in Singapore (December 11–14, 2012).

Table 3. List of the 2013 ACP Lectureship Awards presented at the ICCEOCA-7.

| ID | First Name | Last Name | Organization | Country | Inviting Country |
|------|-----------------|------------|--|---------|------------------|
| OP27 | Tao | Ye | The Hong Kong Polytechnic University | HK | CN |
| PA22 | Masahiro | Murakami | Kyoto University | JP | CN |
| OP33 | Masaya | Sawamura | Hokkaido University | JP | CN |
| PA13 | Takashi | Ohshima | Kyushu University | JP | CN |
| OP05 | Yasushi | Tsuji | Kyoto University | JP | CN |
| PB29 | B. Moon | Kim | Seoul National University | KR | CN |
| OP10 | Sang-gi | Lee | Ewha Womans University | KR | CN |
| OP22 | Robin | Chi | Nanyang Technological University | SG | CN |
| PA48 | Shunsuke | Chiba | Nanyang Technological University | SG | CN |
| PB66 | Xuwei | Liu | Nanyang Technological University | SG | CN |
| PB55 | Ying Yeung | Yeung | National University of Singapore | SG | CN |
| PA50 | Somsak | Ruchirawat | Chulabhorn Research Institute/Chulabhorn Graduate Institute | TH | CN |
| PB07 | Chin-Fa | Lee | National Chung Hsing University | TW | CN |
| PB39 | Chi-Wi | Ong | National Sun Yat-sen University | TW | CN |
| PA03 | Kwunmin | Chen | National Taiwan Normal University | TW | CN |
| PA55 | Aiwen | Lei | Wuhan University | CN | HK |
| OP09 | Ang | Li | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences | CN | HK |
| PB40 | Hidenori | Watanabe | The University of Tokyo | JP | HK |
| PA22 | Masahiro | Murakami | Kyoto University | JP | HK |
| PA10 | Shigeki | Sasaki | Kyushu University | JP | HK |
| PA37 | Hyun-Joon | Ha | Hankuk University of Foreign Studies | KR | HK |
| OP04 | Jishan | Wu | National University of Singapore | SG | HK |
| PB20 | Shang-Cheng | Hung | Academia Sinica | TW | HK |
| OP09 | Ang | Li | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences | CN | JP |
| PB37 | Chi-Sing | Lee | Peking University | CN | JP |
| OP23 | Guosheng | Liu | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences | CN | JP |
| OP17 | Ning | Jiao | Peking University | CN | JP |
| PA24 | Rongbiao | Tong | Hong Kong University of Science and Technology | HK | JP |
| OP27 | Tao | Ye | The Hong Kong Polytechnic University | HK | JP |
| PB29 | B. Moon | Kim | Seoul National University | KR | JP |
| PA37 | Hyun-Joon | Ha | Hankuk University of Foreign Studies | KR | JP |
| PA66 | Sung Ho | Kang | Korea Advanced Institute of Science and Technology | KR | JP |
| PB50 | Noorsaadah Abd. | Rahman | University of Malaya | MY | JP |
| OP31 | Steve | Zhou | Nanyang Technological University | SG | JP |
| OP25 | Tirayut | Vilaivan | Chulalongkorn University | TH | JP |
| OP24 | Chun-Cheng | Lin | National Tsing Hua University | TW | JP |
| PA35 | Hsyueh-Liang | Wu | National Taiwan Normal University | TW | JP |
| OP28 | Kwok Kong | Mong | National Chao Tung University | TW | JP |
| OP01 | Zhenfeng | Xi | Peking University | CN | KR |
| OP12 | Ken C.-F. | Leung | Hong Kong Baptist University/The Chinese University of Hong Kong | HK | KR |
| PB48 | Masahiro | Terada | Tohoku University | JP | KR |
| PA02 | Toshio | Nishikawa | Nagoya University | JP | KR |
| PA49 | Yeun Mun | Choo | University of Malaya | MY | KR |
| PA48 | Shunsuke | Chiba | Nanyang Technological University | SG | KR |
| PB55 | Ying Yeung | Yeung | National University of Singapore | SG | KR |
| PB44 | Montakarn | Chittchang | Chulabhorn Research Institute/Chulabhorn Graduate Institute | TH | KR |
| PB49 | Ming Jung | Wu | National Sun Yat-sen University | TW | KR |
| PB52 | Pauline | Chiu | The University of Hong Kong | HK | MY |
| OP18 | Sungwoo | Hong | Korea Advanced Institute of Science and Technology | KR | MY |
| OP19 | Vinich | Promarak | Suranaree University of Technology | TH | MY |
| PA60 | Guangxin | Liang | Nankai University | CN | SG |
| PB15 | Guanwu | Wang | University of Science and Technology of China | CN | SG |
| OP23 | Guosheng | Liu | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences | CN | SG |
| PB16 | Qing-Hua | Fan | Institute of Chemistry, Chinese Academy of Sciences | CN | SG |
| PB62 | Qinhua | Song | University of Science and Technology of China | CN | SG |
| OP13 | Xiaoguang | Lei | National Institute of Biological Sciences | CN | SG |
| OP21 | Ying-Chun | Chen | Sichuan University | CN | SG |
| OP06 | Zhi-Xiang | Yu | Peking University | CN | SG |
| PA39 | Hiroyuki | Furuta | Kyushu University | JP | SG |
| PB48 | Masahiro | Terada | Tohoku University | JP | SG |
| PA02 | Toshio | Nishikawa | Nagoya University | JP | SG |
| OP20 | Yujiro | Hayashi | Tohoku University | JP | SG |
| PB31 | Zhaomin | Hou | RIKEN Advanced Science Institute | JP | SG |
| PB27 | Do Hyun | Ryu | Sungkyunkwan University | KR | SG |
| PB41 | Duck-Hyung | Lee | Sogang University | KR | SG |
| OP08 | Jaesook | Yun | Sungkyunkwan University | KR | SG |

Table 3. (Continued)

| ID | First Name | Last Name | Organization | Country | Inviting Country |
|------|--------------|----------------|---|---------|------------------|
| PA46 | Chien-Hong | Cheng | National Tsing Hua University | TW | SG |
| PA03 | Kwunmin | Chen | National Taiwan Normal University | TW | SG |
| OP17 | Ning | Jiao | Peking University | CN | TH |
| OP30 | Fuk Yee | Kwong | The Hong Kong Polytechnic University | HK | TH |
| OP07 | Shigeki | Matsunaga | The University of Tokyo | JP | TH |
| OP10 | Sang-gi | Lee | Ewha Womans University | KR | TH |
| PB39 | Chi-Wi | Ong | National Sun Yat-sen University | TW | TH |
| PB20 | Shang-Cheng | Hung | Academia Sinica | TW | TH |
| PA63 | Hongbin | Zhai | Lanzhou University | CN | TW |
| PA57 | Zhaoguo | Zhang | Shanghai Jiao Tong University | CN | TW |
| PB52 | Pauline | Chiu | The University of Hong Kong | HK | TW |
| PB25 | Hiroyuki | Kusama | Tokyo Institute of Technology | JP | TW |
| OP33 | Masaya | Sawamura | Hokkaido University | JP | TW |
| PA23 | Midori | Arai | Chiba University | JP | TW |
| OP05 | Yasushi | Tsuji | Kyoto University | JP | TW |
| OP20 | Yujiro | Hayashi | Tohoku University | JP | TW |
| PB27 | Do Hyun | Ryu | Sungkyunkwan University | KR | TW |
| OP18 | Sungwoo | Hong | Korea Advanced Institute of Science and Technology | KR | TW |
| PB32 | Ahmad Sazali | Hamzah | Universiti Teknologi MARA | MY | TW |
| OP22 | Robin | Chi | Nanyang Technological University | SG | TW |
| PB69 | Yixin | Lu | National University of Singapore | SG | TW |
| PB33 | Charnsak | Thongsornkleeb | Chulabhorn Research Institute/Chulabhorn Graduate Institute | TH | TW |
| PA53 | Tienthong | Thongpanchang | Mahidol University | TH | TW |

Note. CN: China, HK: Hong Kong, JP: Japan, KR: Korea, MY: Malaysia, SG: Singapore, TH: Thailand, TW: Taiwan.

Table 4. Numbers of the 2013 ACP Lectureship Awards given and received by each country/region.

| Country | CN | HK | JP | KR | MY | SG | TH | TW | No. Received |
|------------------|-----------|----------|-----------|----------|----------|-----------|----------|-----------|--------------|
| CN | – | 2 | 5 | 1 | 0 | 8 | 1 | 2 | 19 |
| HK | 1 | – | 1 | 1 | 1 | 0 | 1 | 1 | 6 |
| JP | 4 | 3 | – | 2 | 0 | 5 | 1 | 5 | 20 |
| KR | 2 | 1 | 3 | – | 1 | 3 | 1 | 2 | 13 |
| MY | 0 | 0 | 1 | 1 | – | 0 | 0 | 1 | 3 |
| SG | 4 | 1 | 1 | 2 | 0 | – | 0 | 2 | 10 |
| TH | 1 | 0 | 1 | 1 | 1 | 0 | – | 2 | 6 |
| TW | 3 | 1 | 3 | 1 | 0 | 2 | 2 | – | 12 |
| No. Given | 15 | 8 | 15 | 9 | 3 | 18 | 6 | 15 | 89 |

ICCEOCA-8 (NICCEOCA-4) was organized by Michio Murata and his team from Osaka University at the Grand Cube Osaka (Osaka Prefecture International Convention Center, Osaka, Japan), during November 25–28, 2013. The Keynote Lecture was delivered by Prof. Dr. H.R.H. Princess Chulabhorn Mahidol on the topic of “Diverse Natural Products from Thai Medicinal Plants, Fungi, and Marine Organisms”. In addition, 27 oral presentations and 127 poster presentations were given by the participants from 9 different countries/regions (Figure 5 and Figure 6a). Two students, who received the Best Oral Presentation Awards at the 3rd Junior ICCEOCA previously held in Chiba, were invited to give a short presentation (15 min each) (Figure 6b). The venue was very comfortable and suitable



Figure 5. Prof. Dr. H.R.H. Princess Chulabhorn Mahidol and participants of the ICCEOCA-8 in Osaka, Japan.



Figure 6. (a) Country/local coordinators and international advisory board members of the ACP-CEOCA; (b) Two speakers from the 3rd Junior ICCEOCA.

for discussing chemistry after the lectures, as well as during the coffee breaks and poster sessions. Generous opportunities were also provided by the organizers for the participants to make friends and have discussions during the friendship dinner, banquet, and half-day excursion. The chemistry discussed encompassed various diverse fields of organic chemistry through those 154 presentations, including

Table 5. List of the 2014 ACP Lectureship Awards presented at the ICCEOCA-8.

| ID | First Name | Last Name | Organization | Country | Inviting Country |
|------|-----------------|------------------|--|---------|------------------|
| OP01 | Ken | Ohmori | Tokyo Institute of Technology | JP | CN |
| PA04 | Mamoru | Tobisu | Osaka University | JP | CN |
| PA35 | Naoto | Chatani | Osaka University | JP | CN |
| PA40 | Hidenori | Watanabe | The University of Tokyo | JP | CN |
| PB13 | Takanori | Shima | RIKEN Advanced Science Institute | JP | CN |
| PB18 | Satoshi | Yokoshima | Nagoya University | JP | CN |
| OP11 | Jong Seung | Kim | Korea University | KR | CN |
| OP16 | Hyunwoo | Kim | Korea Advanced Institute of Science and Technology | KR | CN |
| OP22 | Jian | Wang | National University of Singapore | SG | CN |
| PA20 | Yu | Zhao | National University of Singapore | SG | CN |
| PB06 | Jianrong Steve | Zhou | Nanyang Technological University | SG | CN |
| OP24 | Mongkol | Sukwattanasinitt | Chulalongkorn University | TH | CN |
| OP17 | Jye-Shane | Yang | National Taiwan University | TW | CN |
| PA17 | Minoru | Isobe | National Tsing Hua University | TW | CN |
| PA36 | Kwok-kong Tony | Mong | National Chiao Tung University | TW | CN |
| OP02 | Xumu | Zhang | Wuhan University | CN | HK |
| OP06 | Yanxing | Jia | Peking University | CN | HK |
| PA62 | Yoshito | Tobe | Osaka University | JP | HK |
| PB43 | Michio | Murata | Osaka University | JP | HK |
| PB54 | Yoshiharu | Iwabuchi | Tohoku University | JP | HK |
| PB57 | Atsushi | Nishida | Chiba University | JP | HK |
| OP11 | Jong Seung | Kim | Korea University | KR | HK |
| PA07 | Ying Yeung | Yeung | National University of Singapore | SG | HK |
| OP06 | Yanxing | Jia | Peking University | CN | JP |
| OP12 | Bo | Liu | Sichuan University | CN | JP |
| OP14 | Yong | Huang | Peking University | CN | JP |
| OP20 | Xuefeng | Jiang | East China Normal University | CN | JP |
| PB31 | Chao | Chen | Tsinghua University | CN | JP |
| OP21 | Wing-Yiu | Yu | The Hong Kong Polytechnic University | HK | JP |
| OP13 | Sanghee | Kim | Seoul National University | KR | JP |
| PA10 | Jin-Kyoon | Park | Pusan National University | KR | JP |
| OP26 | Hairul Anuar | Tajuddin | University of Malaya | MY | JP |
| OP03 | Philip Wai Hong | Chan | Nanyang Technological University | SG | JP |
| OP22 | Jian | Wang | National University of Singapore | SG | JP |
| PA14 | Yonggui Robin | Chi | Nanyang Technological University | SG | JP |
| PA61 | Chunyan | Chi | National University of Singapore | SG | JP |
| PB14 | Punlop | Kuntiyong | Silpakorn University | TH | JP |
| OP25 | Chien-Tien | Chen | National Tsing Hua University | TW | JP |
| OP09 | Yan | Zhang | Nanjing University | CN | KR |
| PA33 | Ang | Li | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences | CN | KR |
| PB39 | Fuk Yee | Kwong | The Hong Kong Polytechnic University | HK | KR |
| PA02 | Masaya | Sawamura | Hokkaido University | JP | KR |
| PA05 | Takashi | Ohshima | Kyushu University | JP | KR |
| PB19 | Seiji | Matsubara | Kyoto University | JP | KR |
| PA20 | Yu | Zhao | National University of Singapore | SG | KR |
| PB35 | Hsyueh-Liang | Wu | National Taiwan Normal University | TW | KR |
| OP12 | Bo | Liu | Sichuan University | CN | MY |
| PB19 | Seiji | Matsubara | Kyoto University | JP | MY |
| OP05 | Shang-Cheng | Hung | Academia Sinica | TW | MY |
| OP02 | Xumu | Zhang | Wuhan University | CN | SG |
| OP20 | Xuefeng | Jiang | East China Normal University | CN | SG |
| PA11 | Chengjian | Zhu | Nanjing University | CN | SG |
| PA27 | Yonggui | Zhou | Dalton Institute of Chemical Physics | CN | SG |
| PA45 | Xuegong | She | Lanzhou University | CN | SG |
| PB15 | Yao | Fu | University of Science & Technology of China | CN | SG |
| PB26 | Song | Ye | Institute of Chemistry, Chinese Academy of Sciences | CN | SG |
| PB44 | Guofu | Zhong | Hangzhou Normal University | CN | SG |
| PB62 | Hongbin | Zhai | Lanzhou University | CN | SG |
| PA16 | Jian-Wei | Sun | Hong Kong University of Science and Technology | HK | SG |
| PA01 | Kouichi | Ohe | Kyoto University | JP | SG |
| PA04 | Mamoru | Tobisu | Osaka University | JP | SG |
| PA39 | Takehiko | Yoshimitsu | Osaka University | JP | SG |
| PB18 | Satoshi | Yokoshima | Nagoya University | JP | SG |
| OP17 | Jye-Shane | Yang | National Taiwan University | TW | SG |
| PA54 | Chin-Fa | Lee | National Chung Hsing University | TW | SG |
| PB35 | Hsyueh-Liang | Wu | National Taiwan Normal University | TW | SG |

Table 5. (Continued)

| ID | First Name | Last Name | Organization | Country | Inviting Country |
|------|---------------|-----------|--|---------|------------------|
| OP14 | Yong | Huang | Peking University | CN | TH |
| PA34 | Masahiro | Terada | Tohoku University | JP | TH |
| OP13 | Sanghee | Kim | Seoul National University | KR | TH |
| PA14 | Yonggui Robin | Chi | Nanyang Technological University | SG | TH |
| PA22 | Wenwei | Lin | National Taiwan Normal University | TW | TH |
| PA03 | Zhenfeng | Xi | Peking University | CN | TW |
| PA33 | Ang | Li | Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences | CN | TW |
| PA59 | Wai-Yeung | Wong | Hong Kong Baptist University | HK | TW |
| OP01 | Ken | Ohmori | Tokyo Institute of Technology | JP | TW |
| PA01 | Kouichi | Ohe | Kyoto University | JP | TW |
| PA34 | Masahiro | Terada | Tohoku University | JP | TW |
| PA35 | Naoto | Chatani | Osaka University | JP | TW |
| PB20 | Michinori | Suginome | Kyoto University | JP | TW |
| OP16 | Hyunwoo | Kim | Korea Advanced Institute of Science and Technology | KR | TW |
| PA10 | Jin-Kyoon | Park | Pusan National University | KR | TW |
| PB30 | Zurina | Shaameri | Universiti Teknologi MARA | MY | TW |
| PA37 | Shunsuke | Chiba | Nanyang Technological University | SG | TW |
| PA53 | Choon-Hong | Tan | Nanyang Technological University | SG | TW |
| PB14 | Punlop | Kuntiyong | Silpakorn University | TH | TW |
| PB48 | Pitak | Chuawong | Kasetsart University | TH | TW |



Figure 7. Lectureship Award Ceremony at the ICCEOCA-8.

Table 6. Numbers of the 2014 ACP Lectureship Awards given and received by each country/region.

| Country | CN | HK | JP | KR | MY | SG | TH | TW | No. Received |
|------------------|-----------|----------|-----------|----------|----------|-----------|----------|-----------|--------------|
| CN | – | 2 | 5 | 2 | 1 | 9 | 1 | 2 | 22 |
| HK | 0 | – | 1 | 1 | 0 | 1 | 0 | 1 | 4 |
| JP | 6 | 4 | – | 3 | 1 | 4 | 1 | 5 | 24 |
| KR | 2 | 1 | 2 | – | 0 | 0 | 1 | 2 | 8 |
| MY | 0 | 0 | 1 | 0 | – | 0 | 0 | 1 | 2 |
| SG | 3 | 1 | 4 | 1 | 0 | – | 1 | 2 | 12 |
| TH | 1 | 0 | 1 | 0 | 0 | 0 | – | 2 | 4 |
| TW | 3 | 0 | 1 | 1 | 1 | 3 | 1 | – | 10 |
| No. Given | 15 | 8 | 15 | 8 | 3 | 17 | 5 | 15 | 86 |

total synthesis, catalytic hydrogenation, gold catalysis, chemoglycomics, indole alkaloids, porphyrin biomimetics, visualization in chemical biology, C–H activation, photosensors, helical chirality, flow chemistry, self-assembly, cross-cou-

pling, Pd-catalyzed reactions, conjugate addition, formal or partial synthesis of natural products, enantioselective catalytic reactions, oxidation, structural studies, photo-affinity labeling, liquid/solid NMR spectroscopy, photosensitization, aza-Morita-Baylis–Hillman reaction, polyether synthesis, challenges in complex molecule synthesis, RNA modifications, enzyme inhibitors, protein-small molecule interactions, etc.

The Lectureship Awards were heavily discussed among the coordinators and announced at the banquet, as summarized in Table 5. Congratulations to all the recipients! These awardees (Figure 7) will make an arrangement with the country coordinator for a one-week lectureship tour in the inviting country in 2014. As stated previously, all the coordinators will try to make the numbers of the awards given and received by each country/region (Table 6) more comparable in the future.

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Received: March 6, 2014
Published online: April 29, 2014