3rd Announcement

WCP2018 KYOTO
18th World Congress of Basic and Clinical Pharmacology

Pharmacology for the Future
Science, Drug Development and Therapeutics

July 1 (Sun) - 6 (Fri), 2018
Kyoto International Conference Center
Kyoto, Japan

Important Dates

<table>
<thead>
<tr>
<th>Registration Opens</th>
<th>Early Bird Registration Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 1, 2017</td>
<td>March 30, 2018</td>
</tr>
<tr>
<td>Abstract Submission Opens</td>
<td>Regular Registration Deadline</td>
</tr>
<tr>
<td>August 1, 2017</td>
<td>May 31, 2018</td>
</tr>
<tr>
<td>Abstract Submission Deadline</td>
<td>Final Program Available</td>
</tr>
<tr>
<td>December 14, 2017</td>
<td>June, 2018</td>
</tr>
</tbody>
</table>

www.wcp2018.org
Welcome Message

President
Shuh Narumiya
Kyoto University

On behalf of the Japanese Pharmacological Society (JPS) and the Japanese Society of Clinical Pharmacology and Therapeutics (JSCPT), I cordially invite you to the 18th World Congress of Basic and Clinical Pharmacology (WCP2018) to be held from July 1 to 6, 2018, in Kyoto, Japan. The main theme of WCP2018 is “Pharmacology for the Future -Science, Drug Development and Therapeutics-.”

We are now witnessing huge waves of revolutionary changes in biomedical sciences such as individual genome sequencing, stem cell biology including iPS cells, structural biology, nanotechnology and systems biology. It is the tradition of pharmacology to take all the elements in other disciplines of science to carry out our science as in the old saying, “a pharmacologist is a jack of all trades.” We intend to organize, in collaboration with our neighboring national societies, a variety of scientific programs that allow exposure of participating pharmacologists to these new waves of science.

We believe such scientific interactions will facilitate interdisciplinary studies among life sciences and medicine that will serve human health. Emphasis will also be given to the scientific programs related to drug development and therapeutics, where researchers from academia interact with those from industry so that we together fulfill our time’s needs for innovation.

Besides science, WCP2018 will provide you a rare chance to experience old Japanese culture. Kyoto was the capital of Japan for over 1,000 years and still remains the heart of culture in Japan. Shrines, temples and historical sites in Kyoto have remained the same for centuries. Visit one of these spots and meditate there; you will feel the breath of many hundred-years of culture.

Getting off the beaten path and exploring some of the hidden areas of Kyoto will surely yield further rewards to you. July in Kyoto is the summer festive season. The Gion Festival goes on for the entire month of July and is one of the most famous festivals in Japan. It dates back to the year 869, when the people were suffering from plague and pestilence and started this festival to get rid of these maladies. It is therefore a good time to have the Pharmacology Congress and we sincerely look forward to seeing you at WCP2018 in Kyoto.

Shuh Narumiya
President
Organizing Committee

**President**
Shuh Narumiya
Kyoto University

**Vice President**
Shinichi Kawai
Toho University

**Secretary General**
Masamitsu Iino
Nihon University / The University of Tokyo

**Local Organizing Committee** (Alphabetical Order)
- Akinori Akaike
  Kyoto University
- Masatoshi Hagiwara
  Kyoto University
- Hitoshi Hashimoto
  Osaka University
- Yuji Ikegaya
  The University of Tokyo
- Yumiko Imai
  National Institutes of Biomedical Innovation, Health and Nutrition
- Yuji Kumagai
  Kitasato University
- Norio Matsuki
  The University of Tokyo
- Masayoshi Mishina
  Ritsumeikan University
- Kyoichi Ohashi
  Oita University
- Isao Teshirogi
  Shionogi & Co., Ltd
- Hiroki Ueda
  The University of Tokyo
- Hiroshi Watanabe
  Hamamatsu University School of Medicine
- Chihiro Yabe-Nishimura
  Kyoto Prefectural University of Medicine
- Tsutomu Yamazaki
  The University of Tokyo

**Regional Scientific Committee** (Alphabetical Order)
- Wen-Chang Chang
  Pharmacological Society in Taiwan
- Guan-Hua Du
  Chinese Pharmacological Society
- Ilo Jou
  Korean Society of Pharmacology
- Supornchai Kongpatanakul
  Pharmacological and Therapeutic Society of Thailand
- B. Dinesh Kumar
  Indian Pharmacological Society
- Howard Lee
  Korean Society for Clinical Pharmacology and Therapeutics
- John Miners
  Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists
- John A. Rudd
  Hong Kong Pharmacology Society
- Frans D. Suyatna
  The Indonesian Society of Pharmacology
- Fred Wai-Shiu Wong
  Pharmaceutical Society of Singapore
Scientific Program

**THEME**

*Pharmacology for the Future*  
-Science, Drug Development and Therapeutics-

### 40 Lectures

**Opening Lecture**

Cancer Immunotherapy  
*Tasuku Honjo, M.D., Ph.D.*  
Kyoto University, Japan

**Plenary Lecture**

Recent Progress in iPS Cell Research and Application  
*Shinya Yamanaka, M.D., Ph.D.*  
Kyoto University, Japan

The Cardiovascular Effects of Peptidase Inhibition  
*Nancy J. Brown, M.D.*  
Vanderbilt University Medical Center, USA

**Tang Prize Lecture**

Genome Engineering: Technologies and Applications  
*Feng Zhang, Ph.D.*  
McGovern Institute for Brain Research, USA

### 83 Symposia

**Pharmacology, Translational Medicine and Drug Discovery**

*Makoto Suematsu*  
President of Japan Agency for Medical Research and Development, Japan

*Isao Teshirogi*  
Vice President of Japan Pharmaceutical Manufacturers Association, Japan

*Garret A. Fitzgerald*  
University of Pennsylvania, USA

*Pierre Meulien*  
Innovative Medicines Initiative, Belgium

**Opening Symposium**

**Poster Sessions**

**Luncheon Seminars**

---

### 40 Lectures

**Opening Lecture**

Cancer Immunotherapy  
*Tasuku Honjo, M.D., Ph.D.*  
Kyoto University, Japan

**Plenary Lecture**

Recent Progress in iPS Cell Research and Application  
*Shinya Yamanaka, M.D., Ph.D.*  
Kyoto University, Japan

The Cardiovascular Effects of Peptidase Inhibition  
*Nancy J. Brown, M.D.*  
Vanderbilt University Medical Center, USA

**Tang Prize Lecture**

Genome Engineering: Technologies and Applications  
*Feng Zhang, Ph.D.*  
McGovern Institute for Brain Research, USA

### 83 Symposia

**Pharmacology, Translational Medicine and Drug Discovery**

*Makoto Suematsu*  
President of Japan Agency for Medical Research and Development, Japan

*Isao Teshirogi*  
Vice President of Japan Pharmaceutical Manufacturers Association, Japan

*Garret A. Fitzgerald*  
University of Pennsylvania, USA

*Pierre Meulien*  
Innovative Medicines Initiative, Belgium

**Opening Symposium**

**Poster Sessions**

**Luncheon Seminars**
Satellite Symposia

(Lectures, Cutting Edge Lectures and Symposia)

342 speakers from 37 countries and regions

(Symposium themes are tentative)

- Receptor Structure Changes the Pharmacology Paradigm (Incorporating the 10th Adrenoceptor Symposium)
- Systems Pharmacology and Artificial Intelligence Based on Real World ‘Big’ Data
- Brain Mapping and Therapeutics
- G Protein-Coupled Receptor Satellite Symposium
- Pediatric Pharmacology
- Educating Scientists and Healthcare Professionals for 21st Century Pharmacology
- Regulating Cell Homeostasis: From Small Molecules (Drugs, O2, ROS, and NO) to Ion Channels, Receptors, and Systems
- World Histamine Symposium 2018 “Expanding Histamine Research”

For more information, please visit the WCP2018 website at www.wcp2018.org
Call for Abstracts

The Scientific Program Committee invites you to submit abstracts for poster / oral presentations at WCP 2018. We welcome abstracts on a range of topics related to basic and clinical pharmacology. (See list of topic categories below).

Abstract Submission Period

Abstract Submission is now available at www.wcp2018.org
Submission Deadline: December 14, 2017

General Guidelines

• In principle, accepted abstracts shall be presented as posters, and only a limited number of requests for oral presentation will be granted. Please note that your preferred presentation format may not necessarily be granted, and the final judgement rests with the Scientific Program Committee.
• The body of abstracts should contain a maximum of 350 words and must be in English.
• The abstract should be constructed with clear paragraphs for background, methods, results, conclusions.
• One image (figure, table, chart or illustration) can be attached to the abstract.
• Acceptable data formats: JPG, GIF, PNG. Maximum file size: 5MB, 600(w) x 800(h) pixels.
• 2-3 keywords should also be provided that best describe the abstract’s content.
• The first author must present his/her presentation.
• The first author must complete pre-registration when submitting an abstract.
• Abstracts must be submitted via the congress website.
• Notification of abstract acceptance will be sent to the first author no later than March 30, 2018.
• The Scientific Program Committee reserves the right to reject any abstract it considers not to be appropriate in relation to the congress criteria.

Submission Category

Please select two categories for your submission:

1. Neuroscience
2. Pain
3. Cardiovascular System
4. Nephrology and Urology
5. Immunology, Inflammation and Bone Metabolism
6. Gastrointestinal System
7. Stem Cell Medicine
8. Metabolism and Diabetes
9. Respiratory System
10. Systems Biology
11. Education and Training
12. Sensory System
13. Cancer
14. Rare Diseases
15. Molecular Bioimaging
16. Infection/Global Infectious Diseases
17. Natural Medicine and Traditional East Asian Medicines
18. Regulatory Science
19. Pharmacovigilance
20. Health Economics
21. Toxicology
22. Genomics/Pharmacogenomics/Personalized Medicine
23. Pharmacometrics
24. Pharmacokinetics
25. Pediatric Clinical Pharmacology
26. Industry-Academia Collaboration
27. Miscellaneous
Congress Bursaries & IUPHAR Young Investigator Awards

When you submit your abstract, please indicate that you would like to apply for the Congress Bursaries and/or IUPHAR Young Investigator Awards. There will be a question in the online form asking if you would like to apply for the grants or not. It is possible to apply for both Congress Bursaries and the IUPHAR Young Investigator Awards.

For more information, please visit the WCP2018 website at www.wcp2018.org

Registration

Registration is now available at www.wcp2018.org

<table>
<thead>
<tr>
<th></th>
<th>Early Bird Registration</th>
<th>Regular Registration</th>
<th>On-site Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular</td>
<td>JPY 40,000</td>
<td>JPY 45,000</td>
<td>JPY 50,000</td>
</tr>
<tr>
<td>Student</td>
<td>JPY 10,000</td>
<td>JPY 10,000</td>
<td>JPY 10,000</td>
</tr>
<tr>
<td>Accompanying Person</td>
<td>JPY 15,000</td>
<td>JPY 15,000</td>
<td>JPY 15,000</td>
</tr>
</tbody>
</table>
Accommodation

With a long history as the leading tourist city in Japan, Kyoto offers over 20,000 rooms in the central area, with everything from economic youth hostels and budget hotels to first class city hotels and traditional Japanese style inns “Ryokan.”

WCP 2018 offers preferential rates to the delegates for the duration of the Congress. Here is a list of recommended hotels for WCP2018. Accommodation booking is now available through the WCP2018 website at www.wcp2018.org
<table>
<thead>
<tr>
<th>Class</th>
<th>No.</th>
<th>Hotels</th>
<th>From Hotel to the venue (by subway)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deluxe (JPY 20,000 - JPY 35,000)</td>
<td>1</td>
<td>Grand Prince Hotel Kyoto</td>
<td>5 minutes walk</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Hotel Granvia Kyoto</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Hotel Nikko Princess Kyoto</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Kyoto Hotel Okura</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td>Superior (JPY 15,000 - JPY 25,000)</td>
<td>5</td>
<td>Rihga Royal Hotel Kyoto</td>
<td>25-30 minutes</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Hotel Monterey Kyoto</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>New Myako Hotel</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Nissui Garden Hotel Kyoto Shinmachi Bettei</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>ANA Crowne Plaza Kyoto</td>
<td>25-30 minutes</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Urban Hotel Kyoto-Nijo Premium</td>
<td>30 minutes</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Kyoto Royal Hotel &amp; Spa</td>
<td>25-30 minutes</td>
</tr>
<tr>
<td>Standard (JPY 10,000 - JPY 20,000)</td>
<td>12</td>
<td>Hearton Hotel Kyoto</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Karasuma Kyoto Hotel</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>Nissui Garden Hotel Kyoto Shijo</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Vessel Hotel Campana Kyoto Gojo</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Hotel Gimmond Kyoto</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>Hotel Hokke Club Kyoto</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>Daiwa Roynet Hotel Kyoto-Shijokarasuma</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>Hotel new Hankyu Kyoto</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Hotel Grand Bach Kyoto Select</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td>Economy (JPY 7,000 - JPY 10,000)</td>
<td>21</td>
<td>Kyoto Central Inn</td>
<td>25-30 minutes</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Hotel UNIZO Kyoto Shijo Karasuma</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td></td>
<td>23</td>
<td>Kyoto Garden Palace</td>
<td>15-20 minutes</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Court Hotel Kyoto Shijo</td>
<td>25-30 minutes</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>Aranvert Hotel Kyoto</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>26</td>
<td>Rhino Hotel Kyoto</td>
<td>25-30 minutes</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>Urban Hotel Kyoto</td>
<td>40 minutes</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Kyoto Daiichi Hotel</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>Hotel Vista Premio Kyoto</td>
<td>30 minutes</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>Via Inn Kyoto Shijo Muromachi</td>
<td>20-25 minutes</td>
</tr>
<tr>
<td>Japanese Style Inn (Ryokan) (JPY 7,000 - JPY 15,000)</td>
<td>31</td>
<td>Yamamoto Ryokan</td>
<td>30 minutes</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Kyoto Masuya Ryokan</td>
<td>30 minutes</td>
</tr>
<tr>
<td></td>
<td>33</td>
<td>Chion-in Wajun-Kaikan</td>
<td>40 minutes</td>
</tr>
</tbody>
</table>
About Kyoto

Kyoto is the heart of Japan and a city with over a millennium of history. There are literally thousands of Buddhist temples and Shinto shrines in Kyoto. In addition, the tea ceremony, flower arrangement, and kimonos can also be found in the cultural center of Kyoto. We hope you will enjoy staying in this historical city of Kyoto.

What to Do in Kyoto

UNESCO World Heritage Sites
With its long history and traditional culture, Kyoto has many locations registered as UNESCO World Heritage Sites. No trip to Kyoto would be complete without visiting some of them. This high concentration of world cultural heritage sites is one of Kyoto’s unique attractions.

Gardens
Kyoto is a garden lover’s paradise. It has been the political, religious and cultural capital of Japan for several centuries, and this environment has fueled the development of all major Japanese traditions. Emperors, aristocrats, samurai - they all included wonderful gardens in their residences, some of which can still be explored today.

Cuisine
There is a wide variety of cuisine to be found in Kyoto. Besides Washoku, or Japanese food, which was designated an intangible culture heritage by UNESCO in 2013, there are also restaurants where one can enjoy other cuisines such as Italian or French, and many reasonably priced eateries as well. Halal and vegetarian-friendly restaurants are also available.

Tea ceremony
Kyoto offers the unique opportunity to learn about Japanese culture in the birthplace of many Japanese traditions. Though tea ceremony is practiced throughout Japan, the major schools were developed and still flourish in Kyoto. Hands-on traditional culture experiences will give participants and accompanying persons a taste of the unique appeal of Japan.

Shopping
Kyoto is not all temples and shrines; it is a wonderful place to shop for traditional Japanese arts and crafts as well as modern items. There are two main shopping districts in Kyoto: The Kyoto Station area and the traditional “downtown” area of Kyoto running along Shijo-dori Street. Kyoto Station has a lot of shops right inside and underneath the station building, as well as vast electronics and camera emporiums. Shijo-dori Street features several large department stores, hundreds of smaller shops and the famous food market, Nishiki Market.

Facts about Kyoto City

Geographical size: 827.83 km²
Population: 1,474,735 (2016 census)
Time zone: Japan Standard Time (UTC+9)
Weather:
- Average temperature in July:
  - High: 31.2 °C / 88 °F
  - Low: 23.1 °C / 73 °F
Cycling
Kyoto is regularly voted one of the best bicycle cities in Asia, and for good reason: the city is largely flat, roads are well maintained, drivers are sane and there are plenty of places to rent a bicycle. Feel the wind and explore Kyoto by bicycle!

Sake and Japanese whisky
Kyoto sake brewers are gathered in Fushimi district where the pure water nurtures delicious rice and produces excellent sake. Kyoto sake is classed as a more sweet style. Kyoto is also known for its world-class whisky production. Award-winning whisky Yamazaki Single Malt is made in Yamazaki, where Suntory built its first whisky distillery in the country in 1923. Located in the outskirts of Kyoto, Yamazaki’s water quality remains legendary even today.

Access
Venue
Kyoto International Conference Center (ICC Kyoto)
Takaragaike, Sakyo-ku, Kyoto 606-0001 Japan
Phone: 81-75-705-1229  Fax: 81-75-705-1100
http://www.icckyoto.or.jp/en/access/

Getting to Kyoto
The Kansai International Airport (KIX), located slightly over an hour away from Kyoto, is the second major international airport in Japan after Narita (Tokyo). 76 airlines from over 80 different cities throughout the world serve KIX with over 1,200 flights per week. KIX is approximately eleven hours from points within Europe, almost the same amount of time it would take to reach the West Coast of the USA. Kyoto can also be reached in 2.5 hours from Tokyo by the super express Shinkansen (bullet) train.

Getting around Kyoto
The compact modern city of Kyoto is a delight to stroll because it adheres to the ancient grid pattern street layout. In addition, the excellent subway, rail and bus services make Kyoto the “30-minute city.” You can generally arrive at your next destination within half an hour.

Visas
Japan operates a visa-waiver program for 67 countries and regions (information from Japan’s Ministry of Foreign Affairs, last revised December 2014). Travelers on short-term stays for the purpose of attending a conference, tourism, etc. from these countries do not require a visa to enter Japan. For those who require a visa to enter Japan, the congress secretariat will prepare the necessary documents for the participants’ visa applications.