Satellite Symposium of
The 36th Congress of the International Union of
Physiological Sciences (IUPS)
In Tokyo

The Kidney and Hypertension
July 24-25, 2009

PROGRAM & BOOK OF ABSTRACTS
IUPS2009 Satellite Symposium
“The Kidney and Hypertension”
July 24-25, 2009 – Tokyo, Japan

July 24 (Fri), 2009
Club Kanto on the 19th floor of Tokyo Ginko Kyokai Blg.,
Marunouchi 1-3-1, Chiyoda-ku, Tokyo, 100-0005

July 25 (Sat), 2009
Lecture Room (#1501) and Kitasato Hall, Kitasato Univ Pharmaceutical Sciences
(KUPS),
Shirokane 5-9-1, Minato-ku, Tokyo 108-8641

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July 24 (Fri), 2009

Club Kanto on the 19th floor of Tokyo Ginko Kyokai Blg.,
Marunouchi 1-3-1, Chiyoda-ku, Tokyo, 100-0005

17:30 Registration

18:00 Welcome Drinking at Club Kanto

18:30 Opening Remark: K Kawahara & K Kamata, Sagamihara

18:40-20:00 Session 1. RAAS, Cardiovascular Risk and CKD

- RAAS and CKD
  Chair: H Hasegawa & T Mitarai, Kawagoe
  Speaker: S Ito, Sendai  Daiichi-Sankyo

- Lessons on the function of the juxtaglomerular apparatus from transgenic mice
  Chair: S Uchida, Tokyo
  Speaker: J Schnermann, Bethesda

20:00-21:00 Welcome Party at Club Kanto
July 25 (Sat), 2009

Lecture Room and Kitasato Hall, Kitasato Univ Pharmaceutical Sciences (KUPS),
Shirokane 5-9-1, Minato-ku, Tokyo 108-8641

8:20 Registration  6th Floor of KUPS
Poster Mounting  Lecture Room (#1603) on the 6th Floor

9:30-11:30  Session 2. Epithelial Na\(^+\) Channels

Chair: K Tomita, Kumamoto & T Igarashi, Tokyo
- Epithelial Na Channels and Regulation of Na Excretion
  Speaker: LG Palmer, NY
- Activation of ENaC by Prostasin
  Speaker: K Kitamura, Kumamoto
- Short Program (4P)

11:30-14:00  Lunch and Poster
11:40-13:00  Luncheon Seminar
Chair: E Kusano, Shimotsuke
- Salt and Hypertension – Japanese View
  Speaker: G Kimura, Nagoya

Chair: K Tomita, Kumamoto
- Aldosterone Blocker and CKD
  Speaker: A Sato, Tokyo

13:00-14:00  Poster Presentation and Exhibition
14:00-15:00  Poster Discussion (5 excellent posters, each 10 min) (4P)
Chair: K Kimura, Kawasaki & M Kubokawa, Morioka

15:00-15:30  Coffee Break

15:30-17:30  Session 3. Salt and Hypertension

Chair: E Kusano, Shimotsuke & Y Iino, Tokyo
- Renal Salt Transport in Claudin-2 Knockout Mice
  Speaker: S Muto, Shimotsuke
- NaCl transport in salt sensitive hypertension
  Speaker: G Capasso, Naples
- The serum and glucocorticoid inducible kinase in transport regulation, hypertension and diabetes
  Speaker: F Lang, Tübingen

17:30-18:30  Closing Reception (Convention Hall)
17:40-18:10  Wadaiko by WARAKUKAI-SHOU
Short Program in Session 2, July 25

SP1. ROMK1 Knockout Mice do not Produce Bartter’s Phenotype but Exhibit Hypertension

T WANG, New Haven

SP2. Aldosterone Stimulates NF-κB Activity and Transcription of ICAM-1 via SGK-1 in Rat Mesangial Cells in vivo and in vitro

Y TERADA, Kochi

Poster Discussion, 14:00-15:00, July 25

PD1. Ureteric Bud-Derived BMP7 Maintains Renal Progenitor Cells: a Novel Regulatory Mechanisms through the Expression of Early Nephrogenic Markers

I KAZAMA, Shimotsuke

PD2. Critical Roles of V1a and V1b Vasopressin Receptors in Systemic Blood Pressure Homeostasis: Studies from Gene Knockout Mice

Y FUJIWARA, Shimotsuke

PD3. Furosemide-Induced nNOS of the Mouse Macula Densa Cell Line Lacks a C-Terminal Reductase Domain, but Generates NO Ca^{2+}-Dependently

H KAWADA, Sagamihara

PD4. Difference of High Salt Diet-Induced Glomerular Hypertension between Type-2 Diabetes and Non-Diabetes

K Takayanagi, Kawagoe

PD5. The Activation of PGE\textsubscript{2} Receptor Type4 in Renal Collecting Ducts Inhibits the ENaC Expression by the Activation of PKA and the Inhibition of P38 via Non-PKA Pathway

N KAWADA, Osaka
Registration Information: One-Day Programs & Two-Day Programs

General
Space is limited in each program (pages 2-3). Please indicate your program preferences in the appropriate space on the registration form. *Your confirmation letter will indicate the program for which you are registered.* The IUPS2009 satellite “The Kidney and Hypertension” will do its best to accommodate your choice.

For foreign participants only, early registration fees can be paid at the onsite registration desk, if it is indicated in your confirmation letter from the office. Please note that advance registration is still requested by May 25, 2009.

Registration Fees

Two-Day (7/24 and 25) Program (the upper limit: 50 people)

<table>
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<th>Fees*</th>
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One-Day (7/25 only) Program at KUPS (the upper limit: 150 people)

Fees

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*The Two-Day Program Fees include the Welcome Party at Club Kanto (7/24/09).
**To qualify for this rate, your training director must complete the certification in the front of the registration form at the time of registration or you must send the registration form with a copy of your Student Identification Card.

Active Participants (Presenters and co-authors at KUPS) are always given priority for selection.

Onsite Registration

Onsite registration for the Two- and One-Day Programs will be open at Club Kanto and Kitasato University Pharmaceutical Sciences (KUPS) building, respectively, during the following hours:

Friday, July 24 at Club Kanto 5:30 p.m. – 7:00 p.m.
Saturday, July 25 at KUPS 8:20 a.m. – 12:30 p.m.

Note: Attendance is limited to 50 people for the Two-Day Program, so we encourage you to register early. Once the programs are full, no waiting lists will be maintained.
Registration Information:
How To Register
Please send Registration Form\(^1\) and Registration Fee\(^2\) to the following office and account, respectively.

1) Registration Forms (page 8)
Registration forms and all correspondence related to registration should be mailed to:
- Secretary, Yumiko Nakabayashi
- Department of Physiology, Kitasato University School of Medicine
- Kitasato 1-15-1, Sagamihara 228-8555, Japan

Or fax it to: 81-42-778-9734 (from abroad), 042-778-9734 (from Japan)

2) Registration Fee
Bank No. 0005: The Bank of Tokyo-Mitsubishi UFJ
Branch No. 259 (Sagamihara)
Account No. 0008154
（サテライトシンポジシヨンウトコウケゥツツ カワハラカツマサ）
Registration forms received without payment will not be processed.

Note: The deadline for early registration is **Monday, May 25, 2009**, early applicants will be given priority in participation, since space is limited in each program.

Note: Children under 11 years of age are not permitted in IUPS2009 satellite “The Kidney and Hypertension” meeting or session room, poster session or the Exhibit Room at anytime.

Refunds for Cancellations
Refunds for cancellations, less a ¥5,000 administrative fee, will be approved if written requests are received by **Monday, May 25, 2009**. No refunds will be approved after that date, except in cases of emergency. All approved refunds will be processed after the meeting. Email your request to seirinak@med.kitasato-u.ac.jp or fax it to 81-42-778-9734.

Important Dates
- Abstract submission deadline: **May 17 (Sun), 2009**
- Early registration deadline: **May 25 (Mon), 2009**
- Refunds for Cancellations: **May 25 (Mon), 2009**
Abstract Submission: May 17, 2009
Book of Abstracts Available: Onsite (July 24-25, 2009)
Book of abstracts available for download: in mid-July, 2009

Poster Display
Posters will be displayed in Room #1603 of the KUPS during the scheduled Poster Session & Discussion Sessions on Saturday, July 25 from 9 a.m. to 5 p.m. The abstract author is responsible for ensuring that at least one author is present to take part in the poster presentation (1 p.m. – 2 p.m. in Room #1603).

Mounting and Removal of Posters
Poster mounting time: Saturday, July 25 from 8:30 – 9:30 a.m.
Poster removal time: Saturday, July 25 from 5:30 – 6:00 p.m.
All posters will be disposed off after 6 p.m. (July 25) by the organizers.

Poster Size
Maximum poster size is limited to 200 cm (height), 110 cm (width). Materials for mounting the posters will be provided to each presenter by the organizers. Pins are NOT allowed for mounting.

Travel Information
Narita (Tokyo) International Airport lies only 80 kilometers from the center of Tokyo. Upon arrival, participants can either take Narita Express (JR) to Tokyo Terminal (53-55 minutes/¥2,940) or regular train service provided by Keisei (Skyliner) to Keisei Ueno Terminal (51-55 minutes/¥1,920). Your seats must be reserved at the ticket office in the station before getting on the train. The links to the official JR & Keisei websites are given below:
http://www.keisei.co.jp/keisei/tetudou/keisei_us/top.html
http://www.jreast.co.jp/nex/charge.html (Japanese)

Hotel Accommodation
Please note that hotel accommodation is NOT included in the registration fee!
http://dom.jtb.co.jp/yado/ (Japanese)
http://www.kkr-hotel-tokyo.gr.jp/
http://www.princehotels.co.jp/tokyo/
http://www.princehotels.co.jp/shinagawa/

More information is coming soon!!
Call for Abstracts

All participants, including invited lecturers and symposiasts, who would like to present papers are requested to submit abstracts at iups09abs@med.kitasato-u.ac.jp no later than Sunday, May 17, 2009 as .doc file attached via e-mail. Please refer to the instructions for preparing the abstracts as follows.

Instructions for Abstract Preparation

The title should be printed in bold-faced, 14 point CAPITAL LETTERS (Arial or Helvetica) and aligned left.

Author name(s) should be listed one line space below the title in 12 point letters with left alignment. Name must be in full, and FAMILY NAME should be in CAPITAL LETTERS. The name of the person presenting the paper should be underlined. Author affiliation(s) should be typed in the next line including the address.

One blank line should be left between the address and the body of the abstract.

The abstract text (approximately 400 words) should be prepared on an A4 sheet within the size of 22 cm (height) x 16 cm (width). The abstract provided will be reproduced exactly as submitted in the abstract booklet.

Deadline for submission of abstracts is May 17, 2009

- SAMPLE -

FUNCTIONAL CHARACTERIZATION OF A NOVEL URIC ACID TRANSPORTER URATv1

Naohiko ANZAI, Promsuk JUTABHA, Hitoshi ENDOU, Hiroyuki SAKURAI
Department of Pharmacology and Toxicology, Kyorin University School of Medicine, Mitaka 181-8611, Tokyo, Japan

A cDNA encoding a novel transporter for uric acid designated as URATv1 (voltage-driven uric acid transporter 1) was functionally characterized.

Five excellent abstracts will be selected for short (10 min) presentations during the poster discussion session (July 25, 2 p.m. - 3 p.m.).
One-Day & Two-Day Programs for IUPS2009 Satellite Symposium  
“The Kidney and Hypertension” in Tokyo, July 24-25, 2009  
One- and Two-Day Attendee Early Registration Deadline: May 25, 2009

1. **Attendee Information:** (Please print information exactly as it should appear on your badge)

   Name (First, Middle, and Family names)

   Affiliation (Department, Faculty, University or Division, Hospital or Company)

   Address (work): (Street, City, State/Province, Zip-code, Country)

   Telephone:                                Fax:

   Email

   Check here: Are you a clinical doctor? □ Yes     or     □ No

   Degrees (check one only) □ MD   □ MD,PhD   □ PhD   □ Student   □ Other

2. **Select the course:**
   □ Two-Day Program
   □ One-Day Program

3. **Fees:** Form and payment must be received by May 25, 2009 for the early rate.

   **Two-Day (7/24 and 25) Program**

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   **One-Day (7/25 only) Program**

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4. **Payment:** Registration will not be processed without payment.

5. **Cancellation Policy:** Refunds less a ¥5,000 fee will be granted for requests received in writing prior to May 25, 2009. Fax written request to 81-42-778-9734. Refunds are processed after the meeting.

   *The Two-Day Program Fees include the Welcome Party at Club Kanto (7/24/09).

   **To qualify for this rate, your training director must complete the certification in the front of the registration form at the time of registration or you must send the registration form with a copy of your Student Identification Card.