

4th ASMRM (Asian Society for Mitochondrial Research and Medicine)

Mitochondria, Metabolism and Life 2007



The 4th Annual Scientific Meeting of ASMRM
February 2-3, 2007 Seoul, Korea

Date: February 2~3, 2007

**Auditorium, Clinical Research Institute,
Seoul National University Hospital,
Seoul, Korea**

Local Organizing Committee

Chairman: Hong Kyu Lee, MD, PhD

Professor

Department of Internal Medicine, Seoul National University College of Medicine

28 Yongon-Dong Chongno-Gu, Seoul 110-744, Korea

Phone: +82-2-2072-2266

E-mail: hkleemd@snu.ac.kr

Symposium Secretary: Young Min Cho, MD, PhD

Assistant Professor

Department of Internal Medicine, Seoul National University College of Medicine

28 Yongon-Dong Chongno-Gu, Seoul 110-744, Korea

Phone: +82-2-2072-1965 Mobile: +82-16-223-5208

E-mail: ymchomd@snu.ac.kr

Members

Hong Kyu Lee (Seoul National University), Ki-Up Lee (Ulsan University), Myung-shik Lee (Sungkyunkwan University), Kyong Soo Park (Seoul National University), Youngmi Kim Pak (Ulsan University), Gyesoon Yoon (Ajou University), Jin Han (Inje University), Wan Lee (Dongguk University), Eun Bo Shim (Kangwon National University), Jaewon Lee (Busan National University), Jong-Hee Chae (Seoul National University), Chae Hun Leem (Ulsan University), Jae Boum Youm (Inje University), Young Min Cho (Seoul National University)

International Advisor:

Yau-Huei Wei (National Yang-Ming University, Taiwan), Masashi Tanaka (Tokyo Metropolitan Institute of Gerontology, Japan), Jian-Xing Xu (Chinese Academy of Sciences, China), Hideyuki J. Majima (Kagoshima University, Japan), Anthony W. Linnane (Center for Molecular Biology and Medicine, Australia), Keshav K. Singh (Roswell Park Cancer Institute, USA), Min-Xin Guan (Cincinnati Children's Hospital Medical Center, USA), Yidong Bai (University of Texas at San Antonio, USA)

Important Deadlines:

- **Abstract submission: December 23, 2006**
- **Pre-registration: December 23, 2006**

Registration fee: US \$ 100, on-site registration US \$ 120 (Free for invited speakers)

Accommodation: Hotel Sofitel Ambassardor (<http://www.ambatel.com/sofitel>)

Please, fill up the reservation form and fax it to +82 2 2279 2184.

Preliminary Program

Thursday (1st February, 2007)

18:30 Reception & Welcome Party – Hotel Sofitel Ambassador

Friday (2nd February, 2007)

7:30 Registration

8:20 Opening Ceremony Hong Kyu Lee (Seoul National University, Korea)

8:30 Session 1: Evolution, Migration, and Adaptation

- Identification of Mitochondrial DNA Polymorphisms That Alter Mitochondrial Matrix pH and Intracellular Calcium Dynamics (An-A Kazuno, Riken Brain Science Institute, Japan)
- Mitochondrial DNA Haplogroup and Metabolic Syndrome (Young Min Cho, Seoul National University, Korea)
- To Be Announced (Dr. Shinoda, Japan)
- Finding Patterns in SNP Data: Methods and Results from the Analysis of Complete mtDNA Sequences from Japan from Complex Disease and Longevity Phenotypes (Gyan Bhanot, Rutgers University, USA)

9:30 Session 2: Cell Death And Mitochondria

- The Concept of Radical Metabolism of Mitochondria and Its Application in Medicine. (Jian-Xing Xu, Institute of Biophysics, Chinese Academy of Science, Beijing, China)
- Importance of mtDNA Nucleoid in Maintenance of mtDNA and Prevention of Apoptosis (Dongchon Kang, Kyushu University)
- A Novel Protein, Reactive Oxygen Species Modulator 1 (Romo1), Induces the Oxidative DNA Damage: Implication of Romo1 in Cancer Progression (Young Do Yoo, Korea University College of Medicine, Seoul, Korea)
- To Be Announced (Myung-Shik Lee, Samsung Medical Center, Sungkyunkwan University)

10:30 Coffee Break

11:00 Technical Session I

- High-Resolution Respirometry in Mitochondrial Physiology and Pathology (Erich Gnaiger, Innsbruck Medical University, Austria)
- Diagnostic Approach for the Mitochondrial Genome Mutations and Polymorphisms – Luminex Fluorescent Bead-Based Method (Masashi Tanaka, Tokyo Metropolitan Institute of Gerontology, Japan)

12:00 Lunch

- 13:00 Poster Session I
- 14:00 Plenary Lecture 1
- MtDNA, Aging and DNA Polymerase Gamma (Howard T. Jacobs, University of Tampere, Finland)
- 14:40 Session 3: Mitochondria-Related Diseases (I)
- Clinical Diagnosis and Genetic Counseling for Mitochondrial Disorders in Japan (Yu-ichi Goto, National Institute of Neuroscience, Tokyo, Japan)
 - To Be Announced (Isaac Onyango, University of Virginia Health Science Center, USA)
 - To Be Announced (Hae Il Cheong, Seoul National University, Seoul, Korea)
- 15:40 Coffee Break
- 16:10 Special Lecture 1
- CoQ10 Treatment for Mitochondrial Disorders (Anthony W. Linnane, Center for Molecular Biology and Medicine, Australia)
 - Essential Role of Mitochondrial Function in Adiponectin Synthesis in Adipocytes (Ki-Up Lee, University of Ulsan College of Medicine, Korea)
- 17:10 Session 4: Mitochondria-Related Diseases (II)
- MtDNA Haplogroup and Diabetes Mellitus (Kyong Soo Park, Seoul National University, Korea)
 - Reduced Mitochondrial Density and Increased IRS-1 Serine Phosphorylation in Muscle of Insulin-Resistant Offspring of Type 2 Diabetic Parents (Katsutaro Morino, Shiga University Of Medical Science, Japan)
 - Mitochondria and Muscle Fiber Type (Chen-Yu Zhang, Nanjing University, China)
- 18:10 Dinner – Garden View Restaurant, Clinical Research Institute, Seoul National University Hospital

Saturday (3rd February, 2007)

- 7:30 Registration
- 8:30 Session 5: Free Oral Session
- 9:30 Special Lecture 2
- Mitochondria and Non-Apoptotic Cell Death. (Shigeomi Shimizu, Tokyo Medical & Dental University, Japan)

- Mitochondrial Defect and Infertility (Chii-Ruey Tzeng, Taipei Medical University, Taiwan)
- 10:30 Coffee Break
- 11:00 Technical Session II
- Analysis of Mitochondrial DNA Mutations Associated with Mitochondrial Diseases – (Yau-Huei Wei, National Yang-Ming University, Taiwan)
 - Multiparameter Measurement of Mitochondrial Function Using Fluorescent Probes: Simultaneous Measurement of NADH, Ca²⁺ and Potential (or pH) (Chae Hun Leem, University of Ulsan College of Medicine, Korea)
- 12:00 Lunch
- 13:00 Poster Session II
- 14:00 Plenary Lecture 2
- Mitochondrial Medicine: The Energy Biology of Health and Disease (Douglas C. Wallace, University of California Irvine, USA)
- 14:40 Session 6: Mitochondrial Biogenesis and Proteomics
- A Comparative Mitochondrial Proteomics of Human 143b TK⁻ Osteosarcoma Cells upon Mitochondrial DNA Depletion Using ICAT and LC/MS/MS (Youngmi Kim Pak, University of Ulsan College of Medicine, Korea)
 - Proteomic Analysis of GSK-3 β associated Proteins in Mitochondria: Insights into the Mechanism of Intramitochondrial Signal Transduction (Horng-Mo Lee, Taipei Medical University, Taipei, Taiwan)
 - Genetic Approaches to Identifying Mitochondrial Proteins and Their Localization (Takeaki Ozawa, National Institutes of Natural Sciences, Japan)
 - Dice-1 Controls the Topology of the Inner Mitochondrial Membrane In *C. Elegans* (Hyeon-Sook Koo, Yonsei University, Korea)
- 15:40 Coffee Break
- 16:10 Session 7: Mitochondrial Physiology and Physiome
- Mitochondrial Ion Channels during Metabolic Inhibition (Han Jin, College of Medicine Inje University, Korea)
 - The Characteristics of Ca²⁺ Dynamics of Mitochondria in Ventricular Myocytes (Chae Hun Leem, University of Ulsan College of Medicine, Korea)
 - Ca²⁺ Dependence of Cardiac Mitochondria Function: Simulation and Experimental Studies (Satoshi Matsuoka, Kyoto University Graduate School of Medicine, Japan)

- Mitochondria based energy system model coupled with circulation dynamics
(Eun Bo Shim, Kangwon National University, Korea)

17:10 Closing Ceremony

18:00 Banquet (N Seoul Tower, <http://www.nseoultower.com>)

Registration

- To participate in the conference, participants are requested to fill in the enclosed Registration Form. The registration form should be sent to Dr. Young Min Cho via e-mail (ymchomd@snu.ac.kr).
- Deadline of Registration: December 23, 2006

REGISTRATION FORM

The 4th Asian Society for Mitochondrial Research and Medicine

February 2 – 3, 2007

Auditorium, Clinical Research Institute, Seoul National University Hospital, Seoul, Korea

1. DELEGATE INFORMATION		
First Name:	Family Name:	<input type="checkbox"/> Prof. <input type="checkbox"/> Dr. <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms
<input type="checkbox"/> Male <input type="checkbox"/> Female	Name wish to appear on name badge:	
Organization:		
Mailing Address:		
City:	Country:	Zip Code:
Tel:	Fax:	E-Mail
Please note any special requirements regarding health, diet, etc.		

2. ACCOMPANYING GUEST		
First Name:	Family Name:	<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms.
First Name:	Family Name:	<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms.

3. REGISTRATION FEES			
3.1 Registration Fees	US\$	No. of Persons	Total US\$
Regular Participant	100 (pre) 120 (on site)		
Student	50		
3.2 Conference Banquet	30		

Total Amount _____

Please fax or (e)mail this form **no later than December 23, 2006**

4. PAYMENT METHODS

Method of Payment

Bank Transfer to

BANK ADDRESS: 28, YOUNGON-DONG, CHONGRO-GU, SEOUL, KOREA

SWIFT CODE (BIC CODE): SHBKCRSE

BANK NAME: SHINHAN BANK

ACCOUNT NAME: Young Min Cho

ACCOUNT NUMBER: 367-04-958420.

BRANCH NAME: SEOUL NATIONAL UNIVERSITY HOSPITAL BRANCH

Please Note:

- Personal checks will not be accepted
- All payments must be made in US dollars
- Registration Form must be accompanied by the appropriate payment. Without payment, registration will not be accepted.

1. The registration fees specified above will cover the expenses of the following

Conference pack including conference badge and documentations.

All conference receptions and ceremonies.

All conference sessions.

All special events.

All coffee breaks and lunches.

2. The registration fees specified above will not include the expenses of the following:

Conference Banquet on Feb 3, 2007

US\$30 (free for invited speakers)

3. Full registration fee does not include accommodation; to find out about accommodation detail, please check the accommodation section.

5. CANCELLATION & REFUNDS

Cancellation can be made by telephone, fax or e-mail but must be confirmed in writing. Nothing will be charged before 15th December 2006. A **20%** administrative fee will be charged for cancellations received during **2nd January 2007 – 9th January 2007**. **No refund** will be made for cancellations **after January 10, 2007**. Refunds will be sent only after the conference is completed. Substitutions are welcome at any time, but details must be given in writing.

Call for Abstract

The abstract submission deadline is December 23, 2006.

The Scientific Program Committee invites the submission of original contributions for presentation at the 4th ASMRM. Scientific papers will normally be presented in the form of poster presentation during the conference.

Several papers selected by the Local Organizing Committee will be presented in the Free Oral Session.

The submission of the abstracts implies your consent to publish it in the abstract book. Please prepare your abstract in **MS Word Format** only. **You must submit your abstract by e-mail (ymchomd@snu.ac.kr).** Before submitting, please read the guidelines for preparing abstracts. Authors whose abstracts have been accepted for presentation will receive confirmation letter by January 9, 2007.

Titles and Authors

1. The title should be short and concise, and indicate the contents of the abstract.
2. Title should be all in capital and bold letters.
3. The author(s) name should be typed in upper and lower case letters (first name and initials first, followed by last name). Use commas to separate the authors' names.
4. The name of the presenting author should be underlined.
5. Do not include your titles or degrees.
6. Authors should be grouped by organizations, and enter a superscript number after each name to correspond their institution (Unnecessary to use a superscript if only one author).
7. The department and organization of author(s) should be followed by a superscript number, corresponding to the author.
8. The organization name should be followed by city, state and country (no street addresses) where the work was performed.

Body of Abstract

1. The text of the abstract should begin on a new line.
2. The font should be Times New Roman (including symbols) in 10 point.
3. Special characters must be inserted into the document using the INSERT SYMBOL function.
4. Ensure that your abstract is grammatically correct and free of typographical errors.
5. Abstracts will not be edited after submission.
6. Use single spacing throughout the document.

7. The text of the abstract should be a single paragraph with no sections.
8. About the use of abbreviations, spell out the name in full at the first time. It should be followed by the abbreviation in parenthesis. Do not use abbreviations in the title of the abstract.
9. The Abstract is limited to maximum one page (A4 paper size).