

# International Conference of the Korean Society for Molecular and Cellular Biology

Oct. 9 (Wed) ~ 11 (Fri), 2013 COEX, Gangnam, Seoul, Korea

- Seminar: Conference Center Hall (3F-4F)
- Exhibition & Poster Presentation: Hall C3-C4 (3F)
- → Pre-Registration & Abstract Submission June 1 (Sat) - September 10 (Tue), 2013
- → Hotel & Tour Reservation June 1 (Sat) - August 31 (Sat), 2013
- Organizer
  Korean Society for Molecular and Cellular Biology (KSMCB)
- Sponsors















## Welcome Message



#### Dear Colleagues,

We cordially invite you to attend the International Conference of the Korean Society for Molecular and Cellular Biology (KSMCB), which will be held at the COEX convention center in Seoul, South Korea on Oct. 9-11, 2013. This conference will introduce novel knowledge and technologies on cellular and molecular biology as well as a platform for networking among participants.

The scientific program includes Nobel laureate lecture, keynote lectures, symposia focusing on the latest research breakthroughs. In addition, a poster session will also be arranged for young scientists to present their research progress. This year, we are fortunate to invite the 1989 Nobel Laureate Dr. J. Michael Bishop (University of California, USA). Dr. James L. Manley (Columbia University, USA), Dr. Lynne E. Maquat (University of Rochester, USA), Dr. Hans Clevers (University Medical Center Utrecht, Netherlands), Timothy A. Springer (Harvard Medical School, USA), and Junjie Chen (The University of Texas MD Anderson Cancer Center, USA), will deliver key-note lectures. Nobutaka Hirokawa (University of Tokyo, Japan) will deliver special lecture. In addition, more than 150 world-class scientists from domestic and abroad will introduce cutting-edge studies in the symposia on 23 themes. In particular, a symposium on research ethics will be held.

There will be also a series of ceremony for the Academic Research Awards, the KSMCB Life Science Award, M&C Award, the Macrogen Scientist Award, the Ilchun Memorial Lecture, the Bioneer Next Generation Research Award, the Excellent Doctoral Thesis Award, the Excellent Poster Award, etc. Particularly, we provide participants from abroad with travel grant award and outstanding oral presentation award. In addition, companies and industries in the field of bioscience will participate in this conference for exhibition of research materials, tools, and equipments.

We are convinced that this conference will provide participants with the most updated information on the latest scientific advancement and ample opportunities to exchange the ideas and to launch future collaborations.

We look forward to your active participation in the international conference of the KSMCB in Seoul, Korea.

Sincerely yours,

Hun-Taeg Chung, M.D., Ph.D.
President, KSMCB

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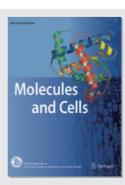
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#### \* Impact factor 2.21

- Korea's leading online journal in the life science
- Indexed in Science Citation Index (SCI)
- International readership
- Spans the breath of molecular and cellular biology
- Monthly publication
- Rapid review
- URL: http://www.molcells.org
- elSSN 0219-1032

# Program at a Glance

## Wednesday, October 9, 2013

Time/Place	317	318	327	401	402			
09:00-10:30	Registration							
10:30-12:00	Young Scientists Session 1	Young Scientists Session 2	Young Scientists Session 3	Young Scientists Session 4	Young Scientists Session 5			
12:00-12:50	Company Workshop 1	Company Workshop 2	Company Workshop 3		Company Workshop 4			
12:50-13:00	Break							
13:00-15:00	SY01 Tumor Microenvironment and Inflammation	<b>SY02</b> Stem Cell Niche and Cell Therapy	SY03 Metabolites and Metabolite Signaling in Plant Growth Regulation	<b>SY04</b> Cell Fate Control and Nanotechnology	Institut Pasteur Korea Satellite Meeting Back to the future : Phenomic Approaches in Drug Discovery			
15:00-15:10	Break							
15:10-15:20	Opening Ceremony (Rm. 401)							
15:20-16:10	Plenary Lecture I. James L. Manley, Ph.D. [Rm. 401]							
16:10-16:50	Special Lecture. Nobutaka Hirokawa, M.D., Ph.D. (Rm. 401)  Macrogen Award Lecture							
16:50-17:00	Break							
17:00-17:50	Plenary Lecture II. Lynne E. Maquat, Ph.D. (Rm. 401)							

### Thursday, October 10, 2013

Time/Place	317	318	327	401	402	308	Hall C3-C4(3F)
							Poster/Exhibition
08:00-09:00	Registration						
09:00-11:00	SY05 Genome-Wide Study of Gene Expression Regulation	SY06 Post-Transcriptional Regulation of Gene Expression by RNA-Binding Proteins and Non-Coding RNAs	<b>SY07</b> Neurobiology of Disease	SY08 Developmental Biology of Tooth	<b>SY09</b> Mitochondria Dynamics and Function	Global Network Session	
11:00-11:30	Break & Poster Viewing						
11:30-11:40	Special Thanks to Chairman Keum Jo Song (Kyoung Ahm Education & Culture Foundation) (Rm. 401)						Poster Presentation
11:40-12:30	Nobel Laureate Lecture. J. Michael Bishop. M.D. [Rm. 401]						
12:30-13:20	Research Ethics Sym. [Korean] Company Workshop 5 Company Workshop 6 Company Workshop 7 Council Meeting						09:00-17:40
13:20-14:00	Break & Poster Viewing						11:00-11:30(duty)
14:00-14:50	Plenary Lecture III. Hans Clevers, M.D., Ph.D. (Rm. 401)					13:30-14:00(a	13:30-14:00(duty)
14:50-15:30	KSMCB Life Science Award Lecture [Rm. 401]						
15:30-15:40	Break						
15:40-17:40	SY10 Sensing and Behavior	SY11 Beta Cell in Diabetes	<b>SY12</b> Sphingolipid Biology	SY13 Transcription and Chromatin		NRF Workshop	
17:40-18:30			Reception (402)				

## Friday, October 11, 2013

Time/Place	317	318	327	401	402	Hall C3-C4(3F)
						Poster/Exhibition
08:00-09:00						
09:00-11:00	SY14 Inflammation and Immune Cell Activation	SY15 Cell and Molecular Biology of Bacterial Infection	<b>SY16</b> Checkpoint and Genomic Integrity	<b>SY17</b> Plant Hormones and Development	SY18 HO-1/CO Parmacology, Physiology and Biology	
11:00-11:30						
11:30-12:20		B				
12:20-13:10	Company Workshop 8	Company Workshop 9	Company Workshop 10	KSMCB General Assembly	Company Workshop 11	Poster
13:10-14:00		Presentation II				
14:00-14:50		09:00-17:40 11:00-11:30(duty) 13:30-14:00(duty)				
14:50-15:30						
15:30-15:40						
15:40-17:40	<b>SY19</b> NAD in Health and Diseas	<b>SY20</b> Nuclear Receptors and Human Disease	<b>SY21</b> Lipoprotein in Atherosclerosis and Metabolic Syndrome	<b>SY22</b> Structural Understanding of the Cell Signaling	<b>SY23</b> Current Development Status of DNA-Based Drugs	
17:40-18:00	Closing Remark (Rm. 401)					

## **Invited Speakers**

#### ▶ Nobel Laureate Lecture



#### **Exploiting the Cancer Genome**

J. Michael Bishop, M.D.

Department of Microbiology and Immunology, University of California, USA

#### ▶ Plenary Lectures



Regulation of mRNA Processing: Integration with Other Cellular Events and Links to Human Disease

James L. Manley, Ph.D.

Department of Biological Sciences, Columbia University, USA



"Alu" strious Effects on Human RNA Metabolism: Post-Transcriptional Gene Regulation by Inter- and Intra-Molecular Alu Element Base-Pairing

Lynne E. Maguat, Ph.D.

Department of Biochemistry and Biophysics, School of Medicine and Dentistry, University of Rochester, USA



#### Wnt Signaling, Lgr5 Stem Cells and Cancer

Hans Clevers, M.D., Ph.D.

Hubrecht Institute, Royal Netherlands Academy of Arts and Sciences & University Medical Center Utrecht, Netherlands



#### **Integrins as Molecular Machines**

Timothy A. Springer, Ph.D.

Immune Disease Institute, Harvard Medical School, USA



# Protein-Protein Interaction Network in DNA Damage Response and Tumorigenesis

Junjie Chen, Ph.D.

Department of Experimental Radiation Oncology, The University of Texas MD Anderson Cancer Center, USA

#### Special Lecture



Kinesin Superfamily Molecular Motors, KIFs and Intracellular Transport: from Regulation of Learning/ Memory and Development to Diseases

Nobutaka Hirokawa, M.D., Ph.D.

Department of Cell Biology and Anatomy, Graduate School of Medicine, University of Tokyo, Japan

## Symposia Lecturers

#### Oversea

Akihiro Yamanaka (Nagoya Univ., Japan)

Carol Prives (Columbia Univ., USA)

Chad Nusbaum (Broad Inst. of MIT and Harvard, USA) Christine Vogel (New York Univ., USA)

David Moore (Baylor College of Medicine, USA)

Doo-Sup Choi (Mayo Clinic College of Medicine, USA)

Eiji Hara (Japanese Foundation for Cancer Research, Japan)

Hiroshi Mabuchi (kanaznwa Univ., Japan)

Hyungjin Kim (Harvard Medical School, USA)

Sona Kang (Harvard Med, School, USA)

Janghoo Lim (Yale University, USA)

Jong W Hong (Auburn University, USA)

Jun-ichi Abe (Univ. of Rochester., USA)

Ken-ichiro Hayashi (Okayama Univ, of Science, Japan) Malcolm L. Snead (Univ. of Southern California, USA)

Marie-Louise Michel (Institut Pasteur & INSERM, France)

Mattew Hayden (Columbia Univ., USA)

Michael McManus (Massey Univ., New Zealand)

Michael Otto (NIH, USA)

Michael S. German (Univ. of California San Francisco,

USA)

Myriam Gorospe (NIH & NIA, USA)

Nevan Krogan (Univ. of California San Francisco, USA)

Olivier Meilhac (INSERM, France)

Pei-Feng Li (Chinese Academy of Sciences, China)

Piali Sengupta (Brandeis Univ., USA)

Richard A. Morgan (NIH, USA)

Stefan W. Ryter (Harvard Medical School, USA)

Steve Smerdon (MRC Nat'l Inst. for Med. Res., UK)

Takeshi Miyatsuka (Juntendo Univ., Japan)

Takashi Nagasawa (Kyoto Univ., Japan)

Young-Seok Oh (Rockefeller Univ., USA)

Yisang Yoon (Georgia Regents Univ., USA)

#### Korean

Byung-Ha Oh (Korea Advanced Inst. of Science and Technology)

Chang-Soo Lee (Chungnam National Univ.)

Changwook Lee (Ulsan National Inst. of Science and Technology)

Chang-Yuil Kang (Seoul National Univ.)

Daeho Park (Gwangju Inst. of Science and Technology)

Daesoo Kim (Korea Advanced Inst. of Science and Technology)

Dong Wook Han (Konkuk Univ.)

Dong-Soon Im (Pusan National Univ.)

Eui-Sic Cho (Chonbuk National Univ.)

Eun Hee Koh (Ulsan Univ.)

Eun Seong Hwang (Univ. of Seoul)

Eun Young Kim (Ajou Univ.)

Eun-Kyeong Jo (Chungnam National Univ.)

Giltsu Choi (Korea Advanced Inst. of Science and Technology)

Hak Soo Seo (Seoul National Univ.)
Hansung Jung (Younsei Univ.)
Ho Chul Kang (Ajou Univ.)
HongSeob So (Wonkwang Univ.)

Hueng-Sik Choi (Chonnam National Univ.)

Hun-Taeg Chung (Ulsan Univ.)

Hwan-Soo Yoo (Chungbuk National Univ.) Hye Seung Jung (Seoul National Univ.) Hyung-Taeg Cho (Seoul National Univ.) Hyunsook Lee (Seoul National Univ.)

Ildoo Hwang (Pohang Univ. of Science and Technology)

Inhee Mook-Jung (Seoul National Univ.)

Insuk Lee (Yonsei Univ.)
Jae Bok Heo (Dong-A Univ.)
Jae-Hong Kim (Korea Univ.)
Jaehoon Yu (Seoul National Univ.)
Jae-woo Kim (Yonsei Univ.)

Jae-Young Kim (Kyungpook National Univ.)

Ja-Hyun Baik (Korea Univ.)

Jang-Seong Kim (Korea Research Institute of Bioscience

and Biotechnology)

Jeong Euy Park (Sungkyunkwan Univ.)

Jin Wu Nam (Hanyang Univ.) Jinwoong Bok (Yonsei Univ.)

Jong Heon Kim (National Cancer Center)
Jong-Young Kwak (Dong-A Univ.)

Joo-Yeon Yoo (Pohang Univ. of Science and Technology)

Joo-Yong Lee (Chungnam National Univ.)

Jung Kyoon Choi (Korea Advanced Inst. of Science and Technology)

Jung Weon Lee (Seoul National Univ.)
Jung-Shin Lee (Kangwon National Univ.)

Jung-Wook Kim (Seoul National Univ.)

Junho Lee (Seoul National Univ.) Keesung Kim (Seoul National Univ.)

Kichurl Chang (Gyeongsang National Univ.)

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Ho Jang (Pohang Univ. of Science and Technology)

Myung-Shik Lee (Samsung Medical Center) Sang-Dong Yoo (Sungkyunkwan Univ.) Sangho Lee (Sungkyunkwan Univ.) Sang-Hoon Lee (Hanyang Univ.)

Se Won Suh (Seoul National Univ.) Seong-Jin Kim (CHA Univ.) Seong-Wook Lee (Dankook Univ.)

Seon-Jin Lee (Korea Research Inst. of Bioscience and

Biotechnology)

Seung-Hyo Lee (Korea Advanced Inst. of Science and

Technology)

Seungkwon You (Korea Univ.) Seungshin Yu (Seoul National Univ.)

Sin-Hyeog Im (Gwangju Inst. of Science and Technology)

Soon Ha Kim (LG Life Sciences Ltd.)

SungSoo Kim (Samsung Electronics Co., Ltd.)

Sungsu Park (Ewha Womans Univ.) Sunyoung Kim (Seoul National Univ.)

Tae-Sik Park (Gachon Univ.)
TaeSoo Kim (Ewha Womans Univ.)
Takbum Ohn (Chosun Univ.)
Won-Yong Lee (Yonsei Univ.)

Woo Jin Park (Gwangju Inst. of Science and Technology)

Woo-Hyun Chung (Duksung Women's Univ.)

Woong Sun (Korea Univ.)

Yeon-Gil Kim (Pohang Accelerator Laboratory) Yonghwan Kim (Sookmyung Women Univ.)

Yong-Yea Park (Ajou Univ.)

Young Jun Im (Chonnam National Univ.)
Young-Joon Surh (Seoul National Univ.)
Young-Myeong Kim (Kangwon National Univ.)
Youn-II Park (Chungnam National Univ.)

Yun Tae Kim (Chong Kun Dang Pharmaceutical Corp.)

## Registration

#### ▶ Pre-Registration: June 1 (Sat) - September 10 (Tue), 2013

On-line registration and hotel reservation are available at www.ksmcb.or.kr from June 1. The registration fees include all confernece activities: scientific sessions, reception, and exhibition.

#### · Registration Fee

Domestic		Classification	Fee	Foreign	Classification	Fee
Member	Pre-registration	Regular participant	KRW 120,000			
		Student	KRW 50,000			
	On-site Registration	Regular Participant	KRW 170,000			
		Student	KRW 70,000			
Non-member	Pre-registration	Participant	KRW 200,000	Early	Participant	USD 200
		Student	KRW 70,000			
	On–site Registration	Participant	KRW 250,000	Registrátion	Student	USD 100
		Student	KRW 100,000			

<sup>\*</sup> Student should show his/her certificate (ID) of school in the registration booth on site.

# Call for Abstracts

## Abstract Submission: June 1 (Sat) - September 10 (Tue), 2013

- All applications are required to submit a-1,000-character abstract via www.ksmcb.or.kr.
- Multiple abstracts are welcome.

#### Abstract Topics

- Bioimaging and Nanobiotechnology
- Cancer Biology
- Cell Death and Autophagy
- Cellular Signal Transduction
- Chromatin and Gene Regulation
- Commercial Tutorials
- Developmental Biology and Cell Differentiation
- DNA Replication, DNA Damage and Cell Cycle
- High School or University Undergraduate Student's Abstract
- Immunology
- Metabolic Diseases
- Microbiology and Infectious Diseases
- Neurobiology
- Omics and Systems Biology
- Plant Defense
- Plant Development
- Protein Biochemistry: Structure, Function and Modification
- RNA Biology
- Stem Cell Biology
- Vascular Biology
- Others
- High School or University Undergraduate Student's Abstract
- Commercial Tutorials

#### Hotel & Tour Reservation

You can make reservations as a discount rate through the www.ksmcb.or.kr, until August 31, 2013.

## **General Information**

#### Venue



#### COEX

159 Samseong dong, Gangnam-gu, Seoul 135-731, S. Korea

Tel: +82-2-6000-0114 www.coex.co.kr

#### Bank Transfer

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After payment, send the scanned copy of their bank receipt with participants name on it to the Secretary Office by e-mail (home@ksmcb.or.kr) or fax (+82-2-558-0131).

#### Official Language

The language of the conference will be English.

#### Expected Attendants

We anticipate a wide spectrum of delegates, ranging from those academia, hospitals, pharmaceutical, government institutes, etc.

#### SECRETARIAT

KSMCB, The Korea Science and Technology Center (Rm. 1105) 22, Teheran-ro, 7 gil, Gangnam-gu, Seoul 135-703, Korea

E-mail: home@ksmcb.or.kr, URL://www.ksmcb.or.kr

#### Secretary General

Hye-Kyung Na, Ph.D. (Sungshin Women's University, Korea)

E-mail: nhkdec28@gmail.com