

Joint Conference on Basic Science for the 21st Century:
How Independent Should Be Basic Research?



Basic Science for the 21st Century

10 October 2012, Millennium Seoul Hilton Hotel, Korea

PROGRAM

9:00 - 9.30 Registration

Opening Plenary Session

9.30 - 9.40 Musical Program

Ewha Chamber Ensemble
– Holberg Suite, Op. 40 (Edvard Grieg)

9:40 - 10:05 Greetings

Moderator

Dr. Ulf Nehrbass
Director of Institut Pasteur Korea (IP Korea)

Speakers

Prof. Dr. Sun-Uk Kim
*Chairperson of Alumni Network
Germany-Korea (ADeKo) & President of
Ewha Womans University*

Rolf Mafael
*Ambassador, Embassy of the Federal
Republic of Germany Seoul*

Dr. Jong Guk Song
*President of Science and Technology Policy
Institute (STEPI)*

Prof. Se-Jung Oh
President of Institute for Basic Science (IBS)

10:05 - 10:15 Congratulatory Remarks

Tomasz Kozlowski
*Ambassador, Head of the Delegation of the European
Union to the Republic of Korea*

Prof. Dr. Joybrato Mukherjee
*President of Giessen University and Vice-President
of German Academic Exchange Service (DAAD)*

10:15 - 10:55 Opening Speeches

Speakers

Volker Bouffier
*Minister President of the German
Federal State of Hessen*

Yul-Rae Cho
*Vice Minister of Education, Science and
Technology (MEST)*

Dr. Helge Braun
*Parliamentary State Secretary to the
German Federal Ministry of Education
and Research (BMBF)*

10:55 - 11:15 Coffee Break

11:15 - 12:15 **The Importance of Basic Science
for a Knowledge-Based Society**

Keynote Speakers

Prof. Se-Jung Oh
President of Institute for Basic Science (IBS)

Prof. Dr. Peter Fulde
*Em. Director at the Max Planck Institute for the
Physics of Complex Systems & President of the Asia
Pacific Center for Theoretical Physics*

12:15 - 14:00 Lunch Break

4 Parallel Sessions

14:00 - 16:00

Session 1:

Basic Science & Applied Science

- Importance of Translational Research
- Horizontal and Vertical Interdisciplinary Studies
- Knowledge Transfer between Basic Science and Applied Science

Prof. Dr. Yoon-Soo Kim
Former President of Chonnam University (CNU)

Chair

Speakers

Prof. Yong-Min Kim
President of Pohang University of Science and Technology (POSTECH)

Maximilian Metzger
Deputy Director General at the German Federal Ministry of Education and Research (BMBF)

Jae-Ung Bae
Deputy Director General of Basic Research Policy, Ministry of Education, Science and Technology (MEST)

Prof. Ryong Ryoo
Korea Advanced Institute of Science and Technology (KAIST) & Director of Institute for Basic Science (IBS)

Prof. Dr. Manfred Martin
Professor of Physical Chemistry, RWTH Aachen University & WCU Professor, Seoul National University (SNU)

Q&A

Session 2:

Science & Industry

- Connecting Science and Business
- The Role of the Private Sector

Prof. Dr. Jaeyoung Lee
Vice Director of Ertl Center for Electrochemistry & Catalysis, Gwangju Institute of Science and Technology (GIST)

Moderator

Chair

Dr. Moon-Sik Kwon
CEO of Hyundai AUTRON

Dr. Markus Eiswirth
Vice Director of Ertl Center for Electrochemistry & Catalysis, Fritz-Haber-Institute of Max Planck Society (FHI)

Speakers

Dr. Stefan Walheim
Institute for Nanotechnology (INT), Karlsruhe Institute of Technology (KIT)

Prof. Kong-Joo Lee
Dean for Graduate School, College of Pharmacy, Ewha Womans University

Dr. Ulf Nehrbass
Director of Institut Pasteur Korea (IP Korea)

Prof. Dr. Peer Kirsch
Director Chemical R&D, Performance Materials Division, Business Unit Liquid Crystals, Merck KGaA

Q&A

Session 3:

Structure & Financing

- Structures & Organisations for Promoting Basic Science
- The Importance of Financial Independence of Basic Science
- Good Policy & Decision Making for Promoting Basic Science

Dr. Jong-Guk Song
President of Science and Technology Policy Institute (STePI)

Chair

Dr. Jae-Min Hong
General Director for R&D Investment Strategy, National Science and Technology Commission (NSTC)

Speakers

Dr. Hyun-Dai Cho
Senior Research Fellow, Science and Technology Policy Institute (STePI)

Felix Kahle
Head of Division of International Relations at Max Planck Society (MPG)

Panelists

Prof. Duckhwan Lee
Department of Chemistry, Sogang University

Prof. Dong-Ho Kim
Director for Division of Natural Sciences, National Research Foundation (NRF)

Dr. Ingrid Krüßmann
Director of International Affairs (East Asia & South Asia) at Deutsche Forschungsgemeinschaft (DFG)

Q&A

Session 4:

Basic Science & Education Systems

- The Importance of Basic Science for Academia
- Promoting Basic Science in Academia

Prof. Michael Paulus
Department of German Language and Literature, Sungkyunkwan University (SKKU)

Moderator

Prof. Dr. Sun-Uk Kim
Chairperson of Alumni Network Germany-Korea (ADeKo) & President of Ewha Womans University

Chair

Roundtable Discussion

Prof. Dr. Karl-Dieter Gröske
President of Friedrich-Alexander-University Erlangen-Nürnberg & Vice President of German Rectors' Conference (HRK)

Prof. Dr. Seung-Ho Shin
President of Kangwon National University

Prof. Jae-Ho Yeom
Executive Vice President for Administration & External Affairs of Korea University

Prof. Dr. Peter Fulde
Em. Director at the Max Planck Institute for the Physics of Complex Systems & President of the Asia Pacific Center for Theoretical Physics

Prof. Seung-Hyeon Moon
Gwangju Institute of Science and Technology (GIST)

Prof. Dr. Jörn Altmann
Department of Industrial Engineering, Seoul National University (SNU)

16:00 - 16:20 Coffee Break

Closing Plenary Session

16:20 - 18:00	Communicating Science	Moderator Johannes Regenbrecht <i>Deputy Head of Mission, German Embassy</i>
	• Summarizing Presentation & Discussions	Chair Dr. Bang-Ju Park <i>President of Korean Science Reporters Association</i>
	• Basic Science & Communication & Public	Speakers Prof. Se-Jung Oh <i>President of Institute for Basic Science (IBS)</i> Prof. Dr. Peter Fulde <i>Em. Director at the Max Planck Institute for the Physics of Complex Systems & President of the Asia Pacific Center for Theoretical Physics</i>
	(Session 1)	Prof. Dr. Yoon-Soo Kim <i>Former President of Chonnam University (CNU)</i>
	(Session 2)	Prof. Dr. Jaeyoung Lee <i>Vice Director of Ertl Center for Electrochemistry & Catalysis, Gwangju Institute of Science and Technology (GIST)</i>
	(Session 3)	Dr. Jong Guk Song <i>President of Science and Technology Policy Institute (STEPI)</i>
	(Session 4)	Prof. Michael Paulus <i>Department of German Language and Literature, Sungkyunkwan University (SKKU)</i>
18:00 - 20:00	Dinner (Invitation only)	Moderator Johannes Regenbrecht <i>Deputy Head of Mission, German Embassy</i> Pansori (Traditional Korean Musical Performance) –The Song of Heungbo & Jindo Arirang Speaker Video message of Hwang-Sik Kim <i>Prime Minister of Republic of Korea and Board Member of Alumni Network Germany-Korea (ADeKo)</i>

Official languages Korean & English (simultaneous translation provided)

Organizers ADeKo, German Embassy, IBS, STEPI

Financial Contribution BMBF, DAAD, IBS, STEPI

Sponsors BASF, Merck

Musical Program

Ewha Chamber Ensemble

Conductor: Prof. Ki-Sun Sung (Ewha Womans University, College of Music)

Pansori

Soo-Jung Chae (Lecturer, Ewha Womans University, College of Music)

Young-Hwa Kim (Kosu (Accompaniment), Heir to the rank of Korean Intangible Cultural Treasure)

Su-Yeon Ham (Graduate student, Ewha Womans University, College of Music)

Ha-Young Jeon (Undergraduate student, Ewha Womans University, College of Music)