

# KWiSE Newsletter

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Spring 2015

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## Message from the President



Dear Fellow KWiSE Members,

Happy Spring of the Sheep year! I would like to thank those who updated their profiles as requested by the Korean Federation of Science and Technology Societies (KOFST). Without the teamwork and dedicated efforts of many of you, it would not have been possible for us to update the database. I would also like to thank VP East, Dr. Hae Young Ahn, and Dr. Yangmee Shin, of the Food and

Drug Administration for delivering a Technical Trend Report entitled "New Drug Development and Current Trend." This was the second Technical Trend Report project from KOFST following last year's "Current Trend and Tasks of Research Connecting Quarks to Cosmos," by Prof. Youngkee Kim, University of Chicago, Dr. Jeonghee Rho, SETI Institute and NASA Ames Research Center, Dr. Donghwa Kang, Karlsruhe Institute of Technology, and myself. Anticipating another Technical Trend Report next year, I would like for you to propose topics that you might like to write about. Please feel free to contact me for details.

I would like to thank Dr. Eun Ju Cheong (USDA), Greater DC



## Upcoming events

May 2, 2015

KWiSE East Coast Conference

May 16, 2015

KWiSE West Coast Conference

July 31, 2015

Women's Forum, UKC2015

Chapter President, and Prof. Jeong Im Woo (University of Southern California), Los Angeles Chapter President for organizing the Spring Conferences. Our proposals were submitted in time for the Korea-US Science Cooperation Center (KUSCO) and Korean-American Scientists and Engineers Association (KSEA). The East Coast Conference of the former will be held at the University of Maryland on May 2, 2015, whereas the West Coast Conference of the latter will be held at Caltech on May 16, 2015. Although we meet in two different locations to save travel costs, the idea is for us to meet in a similar time frame in the springtime, as if we are together. Please mark your calendar. I hope to see many of you at the upcoming spring meetings.

Our relationship with the Korea Federation of Women's Science & Technology Associations (KOFWST) is stronger than ever. Our plan for the Women's Forum is progressing nicely. You are cordially invited to the Women's Forum entitled "Women's Leadership" which will be held in Atlanta, GA on Friday, July 31 during the US-Korea Conference on Science, Technology, and Entrepreneurship (UKC 2015). It is organized with UKC2015's theme of Pursuing Excellence with a Servant's Heart to promote a spirit of service in

pursuing technical excellence. The goal is to harness the untapped leadership potential of female scientists and engineers to empower a future generation of women leaders in science and engineering. It will be an interactive and engaging event to further foster peer networking and mentoring among the attendees. KWise and KOFWST provide a platform for current and future leaders to meet in an environment where meaningful partnerships and friendships can form and grow. It should be a great opportunity to exchange ideas, learn and inspire, and promote better leadership for a changing world. Details will soon appear on the UKC 2015 web, <http://ukc.ksea.org/UKC2015/>.

As many of you already should know, the National Math and Science Competition will be held on April 18, 2015. Visit <http://www.ksea.org/nmsc/> for the online registration.

Finally, I would like to emphasize the importance of your vote. Exercise your right by voting at <http://election.ksea.org> if you are a paid member of KSEA.

Eun-Suk Seo  
President of KWise

## FEATURED ARTICLE

### Koreans in US Food and Drug Administration and their contributions to New Drug Development in Korea

Contributed by Dr. Hae Young Ahn

The US food and Drug Administration (FDA) is the oldest consumer protection agency in the US federal government. It is responsible for assuring the safety of drugs, biologics, medical devices, foods, cosmetics, and many other consumer goods. FDA-regulated products account for about 25 cents of every dollar spent by American consumers each year in US.

#### Koreans in US Food and Drug Administration

Koreans started to join the FDA in late 1980s and

most of them were the 1<sup>st</sup> generation of Koreans. I started my journey at FDA as a regulatory researcher in 1990. At that time, there were about 10 Koreans in the Agency. Since then, Koreans have steadily joined the Agency. As Korean populations have grown in FDA, Koreans formed a social network (named KoFDA). KoFDA comprises of anyone with a heritage of Korean background. It currently has about 140 memberships. Members include current employees as well as retirees, and ex-FDA people.

Continued...

KoFDAers celebrate regularly Korean holidays and special occasions such as wedding, retirement and baby showers. In addition, KoFDAers circulate resumes of which people are looking for a position in FDA and share the information for meetings, achievements, etc. I believe that only 60-80% of people with Korean heritage are the members of KoFDA and there are many more Koreans in FDA.

### **Effort in contributing to Korean Drug Developments**

Korean FDAers have always been interested in Korea. Their interests started to be expressed through attending Society of Biomedical Research (SBR) annual meetings. SBR was founded in early 1990 and an objective of SBR meetings was to provide a platform for communications among leaders in new drug development between Koreans in USA and Korea.

The middle of 1990 was a critical period for Korean new drug development. The Korean government launched the G-7 projects as national projects and new drug development was one of the G-7 projects. Korean FDA (KFDA) was re-organized at time. I believed that it was a crucial time to introduce the methodology on how to develop new drugs, and was able to organize a workshop sponsored by Ministry of Health and Welfare (MHW) in Seoul, Korea in 1997. As far as I know, the workshop was the first official workshop between US FDA and KFDA. Over 200 people attended the workshop from Korean pharmaceuticals as well as regulatory scientists from KFDA and MHW. I could feel the desires, hopes and energy toward new drug development from the participants, and saw bright future for new drug development. I believe that the workshop was a milestone for Korean FDAers to actively participate at the conference/ workshop in Korea and to contribute to Korean drug developments. Since the workshop, many Korean FDAers individually participated at several conventions, symposia and workshop.

In early 2000, a few Korean pharmaceutical companies launched new drug development programs and started to submit Investigational New Drug (IND) applications and New Drug

Applications (NDAs) to FDA. Two NDAs from a Korean pharmaceutical company were approved by the FDA. Many Korean pharmaceutical companies were encouraged by the approvals of the NDAs and rushed into new drug developments. Korean FDAers gladly responded to their challenging initiatives. We have frequently attended and presented at several conferences and workshops to share our knowledge in strategies and policies on new drug development. In addition, we have worked with different organizations in Korea and organized several conventions where we have covered several specific topics/issues related to new drug developments. The below conventions are the good examples:

- Global New Drug Development Forum: Focusing on Regulatory Science hosted by KSCPT and PSK, and sponsored by Korea Drug Development Funds (KDDF) and Korean National Enterprise for Clinical Trials (KoNECT), Seoul, 2012
- Spring Annual convention of Pharmaceutical Society of Korea (PSK), in Suncheon, 2013 and Seoul, 2014

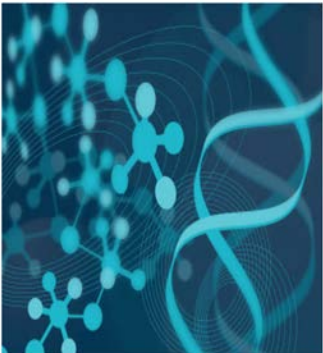
In addition, some of us worked with professional societies such as American Societies for Clinical Pharmacology and Therapeutics (ASCPT), and organized several international conferences in Korea. Through these international conferences we wanted to introduce current trends in new drug development and approval, and help them to build strong drug development strategies.

- Joint conference between American Societies for Clinical Pharmacology and Therapeutics (ASCPT) and Korean Societies for Clinical Pharmacology and Therapeutics (KSCPT) in Seoul, 2009 and 2010

I sincerely believe that through these conventions and conferences we have established a platform for leaders in government, academia, pharmaceutical industry to discuss imminent issues on new drug development, and introduce new information, current trends and new technologies.

# 2014 KWIS West Coast Fall Conference Report

KWiSE West Coast Fall conference was held on November 22, 2014 with the title of "Networking with Real Scientists" at the University of Southern California. It was designed to develop connection among scientists as well as students who are interested in science and engineering. Ten senior scientists and engineers working in various fields of academics, government, and industry presented their special areas of recent research projects. In addition to the professional scientists, 19 students from various levels of academics and in different majors shared their interests in science and engineering. After the presentation session, networking activity provided by Dr. Ko encouraged all the participants to introduce themselves and to connect with other peer scientists and participating students. Refreshment was provided with KWiSE funding and gifts from KWiSE (water bottle with logo) and eye products donated by Dr. Sunmin Park were provided to all participants.



**Network**

—

With Real Scientists

—

In Academics  
Industry  
Government  
Other careers

—

Mentors  
Collaborators  
Friends

**NOV 22, 2014**  
**NETWORKING WITH REAL SCIENTISTS**

Refreshments will be provided.  
Bring your questions for real scientists and experts who are actively working in academic/industry/government/other career. Find your mentors, collaborators, or friends.

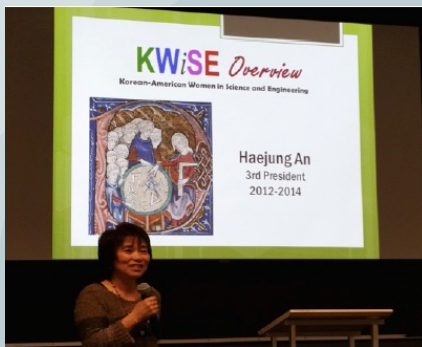
**KWiSE**  
Korean-American Woman in Science and Engineering

**WHERE?**  
University of southern California  
Taper Hall 102

**WHEN?**  
Nov 22th, 2014  
1pm-5pm

**RSVP?**  
Dr Soomi Kweon  
[smkweon@hotmail.com](mailto:smkweon@hotmail.com)

[WWW.KWiSE.ORG](http://WWW.KWiSE.ORG)





## Meeting with Dr. Chan-Mo Park, Chancellor, PUST and Professor Emeritus (Former President), POSTECH

Professor Eun-Suk Seo (University of Maryland), President of KWiSE, in collaboration with KSEA Washington Metro Chapter invited Professor Chan-Mo Park for the Peace and Prosperity Forum, which was held at the KSEA HQ, KUSCO conference room, Vienna, VA on January 9, 2015. In his talk entitled "Engaging with DPRK for Science Diplomacy and World Peace," Dr. Park presented his vision on a peaceful coexistence and reunification of Korea through Science Diplomacy, in particular educating young talents and globalizing them. From the left, Dr. Eun Ju Cheong (USDA), KWiSE Greater DC Chapter President, Dr. Chan-Mo Park, Chancellor, PUST and Professor Emeritus (Former President), POSTECH, and Professor Eun-Suk Seo (University of Maryland), President of KWiSE.



## Career Workshop



Dr. Eun Ju Cheong (USDA), KWiSE Greater DC Chapter President, served as a panelist at the Career Workshop, which was held at the University of Maryland on February 14, 2015. Professor Jaehoon Yu (University of Texas, Arlington) made a presentation entitled "Essentials for a Successful Academic Career." It was followed by a presentation about UNIST for faculty recruitment by Prof. Mooyoung Chung, Vice President of UNIST. This workshop was hosted by Professor Eun-Suk Seo (University of Maryland), President of KWiSE, in collaboration with KSEA Washington Metro Chapter



## Greater DC Chapter

The Greater DC chapter will host the 10<sup>th</sup> KWiSE East Coast Conference on May 2, 2015 at the University of Maryland College Park (UMD) campus.

For more information on our activities, visit our website: [www.kwise.org/east/](http://www.kwise.org/east/)

We are on Facebook! Follow us at:  
Kwise Greater DC Chapter



### 10<sup>th</sup> Annual East Coast Conference

**Keynote Speakers:**  
Dr. Kyungwha Park (Virginia Tech)  
Dr. Seungkyung Kim (Univ. of Maryland)

**Networking & Introduction to Diverse Career paths in Science**

**Saturday, May 2, 2015**  
9:30AM – 4:00PM

**Location:**  
University of Maryland College Park  
2400 Computer and Space Sciences Building  
(Bldg#224), Stadium Drive,  
College Park, MD 20742



### 10<sup>th</sup> Annual East Coast Conference May 2 (Saturday), 2015

University of Maryland College Park,  
2400 Computer and Space Sciences Building (Bldg#224),  
Stadium Drive, College Park, MD 20742

#### Agenda

9:30-10:00	Registration/Breakfast
10:00-10:10	Opening Remarks (Dr. Eun Ju Cheong, Washington DC Chapter president)
10:10-10:20	Introduction to KWiSE (Dr. Eun-suk Seo, President of KWiSE)

#### Keynote Speeches

Chair: Dr. Hey-kyung Lee, Johns Hopkins University	
10:20-11:05	<b>Dr. Kyungwha Park</b> , Virginia Tech Nanoscale magnetic molecular transistors
11:05-11:55	<b>Dr. Seungkyung Kim</b> , University of Maryland "Strong Objectivity": Gendered Science
11:55-1:10	Group Photo/Lunch

#### Scientific Speech Session

Chair: Dr. Hae Won Sohn, NIH	
1:10-1:25	<b>Dr. Kyong-rim Kieffer-Kwon</b> , NIH Remote control of gene expression in 3-D space
1:25-1:40	<b>Dr. Tao Bai</b> , FDA Bioequivalence for Locally Acting Nasal Spray and Nasal Aerosol Products
1:40-1:55	<b>Dr. Hyelim Yoo</b> , NOAA Long-term cloud cover trends over the U.S. from ground-based data and satellite products
1:55-2:10	<b>Dr. Hyun Jeong Moon</b> , NIST Needs Analysis for Information Security Awareness and Training for Small Businesses
2:10-2:25	<b>Dr. Heekyung Lee</b> , Johns Hopkins Univ. Population coherence along the CA3 transverse axis

#### Discussion : Career Development and Role of KWiSE Greater DC Chapter

Chair: Dr. Eun Ju Cheong, USDA-ARS	
2:30-3:45	Panels
	Hee-Yong Kim (NIH)
	Haeyoung Ahn/Julia Cho (FDA)
	Ruth Carter (NASA),
	Hey-Kyoung Lee (Johns Hopkins University)
	Jong-in Hahm (Georgetown University)
	Lisa Choe (NIST)
	Sook Hee Bang (L&J Biosciences)
	Elizabeth Cho-Fertikh (ECF Biosolutions)

3:45-3:50 Closing Remarks

## Los Angeles Chapter

The Los Angeles Chapter will host the 9<sup>th</sup> KWISE West Coast Conference on May 16, 2015 at the Caltech Beckman Institute.

For more information on our activities, visit our website: [www.kwise.org/la/](http://www.kwise.org/la/)

### KWiSE 9<sup>th</sup> West Coast Annual Conference

**Meeting of Art & Science  
Reaching out younger  
generation and networking**

May 16<sup>th</sup>, 2015, Sat.  
9-5pm

Caltech Beckman  
Institute Auditorium  
405 S. Wilson Avenue  
Pasadena, CA 91106



Agenda	
8:30 am	Registration and Breakfast
MORNING SESSION Chair: Dr. Hyunsook Park	
9:00 am	Welcome and Congratulatory remark
9:10 am	Grace Ki Jeong Lee
10:00 am	Hyowon Ban
10:30am	David W Gjertson
10:50 am	Grace Hyun Kim
11:40 am	"KWise Overview" Haejung An, Ph.D.
12: 00am	Lunch, Network, and Group photo
AFTERNOON SESSION Chair: Dr. Sin-Hwa Kang	
1:30 pm	Julia Campbell
2:00 pm	Ning Wang
2:30 pm	Network Event
4:00 pm	Closing Remark

## Research Triangle Park Chapter

Korean students and scholars got together for the Annual Meeting at the University of North Carolina, Chapel Hill, NC (UNC) on November 8, 2014. This meeting was organized by the UNC Korean Association of Students and Scholars (KASS) and partly sponsored by the KWise to drive KWise membership. About 70 graduate students and 10 postdoctoral researchers participated that night.

Dr. Youngjin Park, the president of the KWise-RTP chapter, presented the KASS with an endowment on the behalf of Prof. Eun-Suk Seo, the president of KWise-HQ. It was also a good opportunity to introduce KWise to non-members, and to explain what our missions and activities are. Especially, Dr. Park delivered advantages of professional networking and career development through KWise networking.

For more information on our activities, visit our website: [www.kwise.org/rtp/](http://www.kwise.org/rtp/)

## MEMBER NEWS



Dr. Han, Gye Won (The Scripps Research Institute, presently at the Bridge@USC, KWiSE Founding & the first president) was invited as an outstanding speaker for the "Policy Workshop on Smart Sister Program for foreign women scientists network in Korea" in Daejeon, Korea on November 7-8, 2014. The workshop was organized by the Association of Korean Woman Scientists & Engineers (KWSE) for supporting foreign women scientists and engineers living in Korea for their better performance on their roles and responsibilities, and enhancement on global capabilities.

## Announcements

### National Math and Science Competition

April 18, 2015

Math competition: 3<sup>rd</sup>–11<sup>th</sup> grade students

Science competition: 3<sup>rd</sup>–11<sup>th</sup> grade students

Physics competition: 9<sup>th</sup>–11<sup>th</sup> grade students

Top three female National winners will receive the KWiSE Award. For registration, visit <http://www.ksea.org/nmsc/>

### KWiSE East Coast Conference

May 2, 2015

The Greater DC Chapter will host the 10<sup>th</sup> KWiSE East Coast Conference on May 2 (Saturday), 2015 at the University of Maryland College Park (UMD) campus. For details visit: [www.kwise.org/east/](http://www.kwise.org/east/)

### KWiSE West Coast Conference

May 16, 2015

The LA Chapter will host the 9<sup>th</sup> KWiSE West Coast Conference will be held on May 16 (Saturday), 2015 at the Caltech Beckman Institute Auditorium. Details: [www.kwise.org](http://www.kwise.org)

A promotional graphic for UKC 2015. It features a night cityscape of Atlanta, Georgia, with the Hyatt Regency Atlanta hotel prominently lit. The text reads "UKC 2015 Pursuing Excellence with a Servant's Heart". Below the main image are three smaller inset images: a person in a red shirt, a person in a blue shirt, and a person in a white shirt. At the bottom, there are logos for the University of Maryland (UMD), KOFST (Korea Office for Future Science and Technology), and KUSCO (Korea-US Science and Culture Office).

July 29–Aug. 1, 2015  
Hyatt Regency Atlanta  
Atlanta, Georgia



More information at <http://ukc.ksea.org/UKC2015/>



Service Award



Female student awardee at the Graduate Student Symposium







**KWISE-KOFWST Women's Forum**

When: Friday July 31, 1:15 - 3:15 pm  
Where: TBD

Chair: Eun-Suk Seo, KWise President, University of Maryland, USA  
Co-Chair: Hee Young Paik, KOFWST President, Seoul National University, Korea

**"Women's Leadership"**  
Korean-American Women in Science and Engineering (KWISE) and Korean Federation of Women's Science & Technology (KOFWST) invite you (regardless of gender) to the Women's Forum entitled "Women's Leadership." It is organized with UKC2015's theme of Pursuing Excellence with a Servant's Heart to promote a spirit of service in pursuing technical excellence. The goal is to harness the untapped leadership potential of female scientists and engineers to empower a future generation of women leaders in science and engineering. It will be an interactive and engaging event to further foster peer networking and mentoring among the attendees. KWISE and KOFWST provide a platform for current and future leaders to meet in an environment where meaningful partnerships and friendships can form and grow. It should be a great opportunity to exchange ideas, learn and inspire, and promote better leadership for a changing world.

Presentations

 <p><b>Korean Women in Science and Engineering (KWISE)</b> Eun-Suk Seo, University of Maryland, USA</p>	 <p><b>KOFWST and its social contribution</b> Hee Young Paik, Seoul National University, Korea</p>
 <p><b>Vision of educational service for the youth in Cambodia</b> Gilja Jhon, Ewha Womans University, Korea</p>	 <p><b>Servant leadership in the IT field</b> Hai Kyung (Hia) Kim, Educational Technology Consultant, USA</p>

Sponsors

