



KWiSE News Letter 2010

Korean American Women in Science and Engineering

Issue 6

President's Remark

Hello KWiSE members! I am Sanghee Yoo, Ph.D. newly elected president of KWiSE for the second term, 2010 and 2011. First, I would like to thank Dr. Gye Won Han for her ceaseless dedication in founding, building and promoting



KWiSE for Korean professional female scientists and engineers in the U.S. over the past five years (founded on 10/21/2004). I wonder if I can achieve something for KWiSE that can even come close to what Dr. Han has accomplished. Nevertheless, I will follow her passion and

promise to do my best. I will seek to build a stronger organization based on the foundation Dr. Han built, so that many more members can get benefits from KWiSE.

We already had a good start of 2010. We received a grant from the National Institute for Supporting Women in Science and Technology (NIS-WIST) in Korea. The main goal of this project is to build an accurate database for Korean-American women scientists and engineers and to promote activities among members. I will explain the details of this project in the next section of this news letter. Secondly, I was able to recruit enthusiastic committee members. Also, I am very grateful to many KWiSE leaders in local chapters who share our vision and carry out volunteer activities with passion and

spirit of community service.

For most women scientists, it is a big challenge to find a balance between professional career and personal life. We are here to support your success in professional as well as personal life together. We will listen to you what you need. Please let KWiSE be always close to you.

I believe that each one of our members, will have a unique role in the foundation for the success of Korean American women scientist and engineers, and make a difference in our community! Please do not hesitate to contact us by writing to the following addresses if you have any question or suggestion.

General question: info.kwise@gmail.com
 Membership: Dr. Eunjeong Yoo (Julie04yoo@yahoo.com)
 KWiSE web page: Liz Kim (liz@gmail.com)

Mission Statement of KWiSE 2010-2011

1) Identify Korean US women scientists and engineers and build an accurate database
 2) Promote member activi-

ties such as writing articles, newsletter cover design contest and member interviews
 3) Recognize successful women scientists and engi-

neers as our role model
 4) Promote collaborations between members and networking opportunities

Inside this issue:

2010-2011 NIS-WIST Project	2
2009 5th Annual KWiSE Meeting	2
KWiSE Woman Scientist Award	2
KWiSE Local Chapter Meetings in 2009	3
WiSE Forum at UKC 2009	4
KSEA-SD/KWiSE Symposium 2010	5
Women in Life Science in KSEA-South Western...	5
Community Outreach	5
Future Events	6

Publisher: Sanghee Yoo (info.kwise@gmail.com)
 Editor-in-Chief:
 Eunha Hoh
 Editors:
 Liz Kim, Youn Hee Cho,
 Janet Yoo, Yoonhee Kim,
 Seung Beom Yu, Dong-In Koo

<http://www.kwise.org>

2010-2011 NIS-WIST Project

KWiSE has been selected as a funding awardee by NIS-WIST in Korea. The main goal of the project is to build a precise database for Korean US women in science and engineering and to promote collaboration with women scientists and engineers residing in Korea. To this end, this year's focus will be on expanding the KWiSE network in the U.S., and Dr. Eunha Hoh (Vice President of KWiSE) and I plan to visit other US cities and connect with women scientists and engineers.

The NIS-WIST project is to,

- 1) Build a database for Korean American Women in Science and Engineering
- 2) Promote networking between members
- 3) Initiate collaboration between KWiSE and NIS-WIST
- 4) Update recent scientific news and review books, and share with members.



Each member can help KWiSE by

- 1) Registering as a NIS-WIST member in the web site or giving permission for KWiSE to process
- 2) Encouraging Korean women scientist to join KWiSE
- 3) Updating your information in the KWiSE database
- 4) Participating in any KWiSE activity



2009 5th Annual KWiSE Meeting

The KWiSE 5th year anniversary meeting was held at The Scripps Research Institute in San Diego on December 6, 2009. The meeting was under the theme of "How to prepare for an academic position in Korea". The meeting began at 9:30 with a registration and breakfast. The official program started at 10:00 with the welcoming remark from the president of San Diego chapter, Dr. Sanghee Yoo, followed by a brief progress report on the organization's ongoing state of affairs, such as the upcoming president election, by the founder/president of KWiSE, Dr. Gye Won Han.

The first presentation was by professor Yang-Hee Kim from Sejong University, Korea under the title of "Future Faculty Career Exploration in Korea". In her presentation, she shared her experiences in becoming a professor and serving on faculty search committees at a Korean University. The critical aspects of candidate's qualification

were discussed from the search committees' prospective. Briefly, the candidates' publications, relevance of research, and research proposal are the most important factors. Additionally, having good presentation skills and ability to teach in English are also advantageous. The next presentation on "Challenges of the Faculty Career for Women Scientists" was from Prof. Bong-Kyu Choi in Seoul National University, Korea. Her presentation included job possibilities outside the conventional academia faculty position. Advantages and disadvantages of being a professor at a university were presented in a comparison to other professional scientific jobs in national laboratories, private research facilities, and industry. She also mentioned that opportunities for women scientists are more open in Korea than before. She encouraged applying for positions with enthusiasm.

For the recognition of active and dedi-



cated volunteers, this year three graduate students, SungEun Kim (TSRI), YoungZee Song (TSRI) and Chaim Jeong (UCSD) received the KOSEN award. Then everyone posed for the group photo and delicious luncheon supported by KUSCO was followed. During lunch, it was a good networking opportunity to connect with the speakers and get answers for specific questions. Finally KWiSE appreciated every attendee with a gift, a lunch bag with KWiSE logo that Dr. Eunyoung Ahn (UCSD) designed.
-- by Dr. Youn Hee Cho

KWiSE Woman Scientist Award

Professor Heakyung Lee at Winthrop University was nominated for the third KWiSE Award. She was chosen for exemplifying the three aspects for which the award is given: contributions to a field of science or technology, commu-

nity service, and contributions to KWiSE. Of particular note for Lee was her instrumental role in establishing the Research Triangle Park chapter of KWiSE, the organization's fifth and most recent.

Prof. Heakyung Lee (left) and Dr. Han (right)



KWiSE Regional & Local Chapter Meetings in 2009: West, East, and RTP

The KWiSE, with the Korea-U.S. Science Cooperation Center (KUSCO), hosted the KWiSE-3rd Annual West Coast Conference on June 27th, 2009 at The Scripps Research Institute located in San Diego. The conference started 9 am and ended 4 pm. The first presenter was Ms. Diane West from the 2Connect, Inc. Her presentation, "21st Century Leadership Training: Communication Skill & Science Behind Presenting," focused on various presentation skills to better exhibit the successes and information gained from research. After lunch, the "Afternoon Career Forum" began with the welcoming remark by Dr. Hyung-Min Chung, from Cal State, Long Beach. Dr. Haejung An from FDA gave the first presentation on "The Secrets of a Long-Term Career." She emphasized to make efforts continuously to keep and improve expertise through career. Afterward, Dr. Sunyoung Lee from Burnham Research Institute gave a talk, "Preparing Future Faculty", emphasizing the importance of conference attending for becoming future faculty. Subsequently, Dr. Caroline Chen from Vertex Pharmaceuticals shared her experience and her life story with reference to her "Road to Becoming a Patent Agent." Lastly, Dr. Insung Kang from Qualcomm Technology described the numerous branches of organization within Qualcomm in his presentation "Working at Qualcomm." The conference ended around 4 PM with the closing remarks from the President of KWiSE-San Diego Chapter, Dr. Sanghee Yoo.

-by Janet Yoo (UCSD)

The third East Coast Conference 2009 was held successfully on June 27th,

to seize the opportunity in the career world, we need to know how to juggle with the family side and the work side

Saturday afternoon. Thirty Korean women scientists in the east coast, mostly from the DC and Maryland/Virginia area, gathered in Han Gang restaurant in Virginia, for this meeting. Two special guests attended the conference: Dr. Woojin Lee from Korea- U.S. Science cooperation center (KUSCO) and Dr. Seung Mo Hong, the president of Baltimore Life Scientists Association (BLSA). Most affiliations of the attendees were the Food Drug Administration (FDA), the National Institutes of Health (NIH), University of Maryland, Georgetown University, and U.S. bureau of labor statistics. Right after lunch, the president of KWiSE, Dr. Gye Won Han, welcomed members with the slides on the history of KWiSE and updates on the year 2008, followed by brief introduction of other activities regarding Korean American scientists. The first speaker, Dr. Yoon, who is a professor at the department of information systems, Univ. of Maryland, Baltimore County, gave a talk, "Our ability to communicate our competence & confidence" for 30 minutes. Dr. Yoon shared her experience and feelings, as a member of the search committee about the Korean candidates who were not good at the job interview and the self-

assessment. Dr. Yoon urged us to speak out our contributions loudly. The second speaker, Dr. Jung, who is a professor at Georgetown University, gave a talk on, "General comments for career women" for another 30 minutes. Dr. Jung encouraged us to love our jobs. The take home message, to seize the opportunity in the career world, we need to know how to juggle with the family side and the work side. She also recommended us to adapt American lifestyle for living in the U.S.

- by Dr. Yoonhee Kim (NHGRI/NIH)

KWiSE-RTP chapter had a forum on November 13, 2009 in the form of a networking dinner with a career development talk. There were 15 attendees



including faculty members, postdoctoral researchers and graduate students. Professor Hoon Joo Lee, from Textile at NCSU gave a talk about her experiences in preparing interviews, writing research projects, and developing networking techniques. After her talk, lots of questions were followed regarding the balance between career and personal life. It was a great event to share members' experiences and thoughts and discuss the RTP chapter future events.



WiSE Forum at UKC 2009

On the afternoon of Saturday, 2:30-5:30 PM, July 18, 2009, Korean-American Women in Science and Engineering held its third forum at the 2009 US-Korea Conference (UKC). This year's WiSE forum, titled "Moving Ahead in Women's Career - Unlimited Career Opportunities for Women Scientists and Engineers" was organized by KWise president, Dr. Gye Won Han of The Scripps Research Institute (TSRI), and president of the RTP chapter, Dr. Youngjin Park of SAS Institute, Inc. The agenda comprised of five speakers on various topics, panel discussion, and the award for the KWise Woman Sci-

time Nobel Prize recipient, discoverer of radium, professor at the Sorbonne University, mother of two children, and radiology nurse during the First World War. Offering advice to who would bravely follow Curie's example, she emphasized the need for confidence and patience. The second speaker was Heakyung Lee of Winthrop University who geared her talk toward those aspiring to the same academic success as Beretta and Curie. The speech titled "Tenure Process at a University" began with the demographics of Winthrop as her focus was on teaching universities. Following a description of the criteria

them, Song sought to encourage potential recipients saying that there are grants available and within the reach of even those who are in school. Next,

Offering advice to who would bravely follow Curie's example, she emphasized the need for confidence and patience. .

Emily Roh, a master's student from Columbia University, presented "Depression Among Elderly Korean Americans." Roh analyzed, among other factors, language gap, older entrance ages of immigrant Koreans, and perception surrounding psychological services. The last speaker, Sangwon Sohn with her presentation "Moving Ahead in Interior Design: Sustainable Design" gave detailed explication of interior design including topics such as the nature and the state of the profession, training, and skills for survival. Following acknowledgements and final remarks by Dr. Gye Won Han, the forum ended with an informal networking session which overflowed into the final dinner banquet of the conference.

- by Seung Beom Yu, honorary member of KWise, 28 July 2009



entist Award of 2009. French born Laura Beretta, currently at the Fred Hutchinson Cancer Research Center and formerly of the INSERM (Institut National de la Santé et de la Recherche Médicale) gave an inspirational and empowering talk about the potential of women in science. She began by drawing an iconic image of Marie Curie: two

for tenure review, institutions weigh the criteria based upon the nature of the university. Minkyung Song started the second half of the forum with "NIH Funding Opportunities for Career Development and Other Research Grants." With a nuts and bolts approach to inform her audience of the sponsorship possibilities available and how to attain

I have no dress except the one I wear every day. If you are going to be kind enough to give me one, please let it be practical and dark so that I can put it on afterwards to go to the laboratory. (about a wedding dress)-Marie Curie

KWise Chapter Presidents

SD: Kim Gweya (UCSD)

LA: Ko Minhee (USC)

RTP: Park Youngjin (SAS)

Great Washington: Cho Sungeun (FDA)

NIH: Kim Hee Yong (NIH)

KWise Executive Committee:

President: Yoo Sanghee (Vertex Pharmaceuticals)

VP: Hoh Eunha (SDSU)

Executive director: Kim Gweya (UCSD)

Treasurer: Kim SungEun (TSRI)

Membership director: Yoo Eunjeong (USC)

Communication: Yoo Eunjung (TSRI)

YG relations: Yoo Janet (UCSD)

Graduate Student relations:

Jung Chaim (UCSD)

Post-doc relations:

Lim Minyoung (USC)

Event: Kim Sookyoung (TSRI)

Advisory: Gye Won Han (TSRI), Soo-ja Kim (NIH)

KSEA-SD/KWiSE Symposium 2010

The annual meeting of KSEA San Diego chapter was held on the Saturday afternoon of January 8th of 2010. The meeting began with the opening remark by Dr. JongDae Lee, the KSEA-SD president elect and the first session was filled with scientific and technology focused presentations by the members. As a partner of the meeting, the vice president of KWiSE Dr. Eunha Hoh led

one of the afternoon sessions. In the session, the president of KWiSE, Sanghee Yoo presented member activities of KWiSE, newsletter, meetings. KWiSE awards in Natinal Math and Science Competition, and new directions of the second term (2010-2011). She also presented a general overview of the drug discovery and components involved in the process.



Women in Life Science in KSEA-South Western Technology Career and Development Conference

On February 3rd, KWiSE organized the Women in Life Science Session for the KSEA south western technology and career development conference. The conference was held at Marriot Hotel located in Narwalk, CA. The session was chaired by Dr. Sanghee Yoo, president of KWiSE and co-chaired by Dr. Minhee Ko, USC. Dr. Yoo opened the session with an update of KWiSE activities and an introduction of the new project supported by NIS-WIST. The

second speaker, Dr. Minhee Ko presented her scientific work "TLR4 activation in the microglia leads to photoreceptor oxidative stress' possible role of immune responses in degenerative disease." Then Dr. Lim Min-young presented her work on "Runx2 regulates surviving expression in prostate cancer cells". The final speaker, Dr. Kim Ok-jin, presented her work with the title of "Identification and characterization of dopamine receptor interacting protein".



The session was a good opportunity for Los Angeles chapter members to share the progress of their works.

Community Outreach

KWiSE-SD, KWiSE-LA and KWiSE-RTP presented KWiSE AWARDS to the top scoring high school girls at the 2010 KSEA National Math & Science competition (KSEA NMSC). Congratulations to the recipients! We specially thank Dr. Youngjin Park (RTP-chapter), Dr. Sora Cho (Los Angeles chapter), and Dr. Gweya Kim (San Diego chapter) who presented the KWiSE awards at the NMSC event.

Awardees:

San Diego

Umee Bang, East Lake High School
Haemin Song, Otay Ranch High School
Jeehae Lim, East Lake High School

RTP

Angela Kim, Leesville middle school
Yunsoo Lee, Enroe high school

Los Angeles

Soyoung Hahm, Northwood High School

Julie Ko, Harvard-Westlake School
Eun Bin Go, Troy High School



Yunsoo Lee and Dr. Youngjin Park



Angela Kim and Dr. Youngjin Park



Eun Bin Go and Dr. Sora Cho



Jeehae Lim and Dr. Gweya Kim



Dr. Sora Cho and Julie Ko

Future Events



5th Annual East Coast Meeting

Saturday, Jun 5th, 2010
9:30 am—4:00 pm
KUSCO Headquarter
1952 Gallows Rd. Suite 330,
Vienna, Virginia 22182



4th West Coast symposium

June 12th, Saturday, 2010
9:30 a.m. to 3:30 p.m.
Food and Dietary Supplement Safety

U.S. Food and Drug Administration
Pacific Regional Lab Southwest
19701 Fairchild, Irvine, CA 92612

**** Due to the tight security, preregistration is required.
Please send the registration information
by June 9, 2010 to Dr. Minhee Ko [mko@doheny.org]**



KWiSE will hold the two meetings during the month of June. The 4th East Coast Meeting will be held at KUSCO Headquarter, Vienna, VA on June 5th, 2010. The 4th West Coast Meeting will be held at U.S. Food and Drug Administration Pacific Regional Lab Southwest, Irvine, CA on June 12th, 2010.

WiSE Forum at the UKC2010

KWiSE will organize the WiSE networking dinner on August 12 (6:30 pm, Thursday), and WiSE Forum on August 14 (1 pm-6 pm, Saturday) at 2010 U.S.-Korea Conference at Seattle, WA. The title of the forum is "Leadership and Career Development for Today's Women Scientists and Engineers" (<http://ukc.ksea.org/ukc2010/cfp.asp?view=WISE>). The objective of the WiSE forum is to promote cooperation between women scientists, engineers, and entrepreneurs from the USA and Korea. This forum will provide a women's network to discuss achievements, career development and leadership. Like previous WiSE forum, KWiSE is organizing the 2010 forum.

Acknowledgements

Thanks to KSEA, KUSCO, KOFST, KOSEN, and NIS-WIST for their financial support for KWiSE activities including the publication of this Newsletter. We also appreciate the local sponsors and personal donations from KWiSE members. Finally, thank you all for your supports and participation.



*Find more information about
KWise and current activities*

www.kwise.org

Member News

Dr Yoo Eunjung has joined TSRI from KAIST.

Dr. Cho Yeonhee has joined TSRI from the university of Texas (Austine)

Dr. Yoo Eunjeong has joined USC.

Dr. Kan Yeonjoo joined Vertex Pharmaceuticals from Burham Research Institute

NIS-WIST Project: Review Article

KWiSE accepts review articles on recently published books or trends in research in science and technology. \$100 gift certificate per article will be given as honorarium. Minimum 500 words.