

**KWiSE Forum Series**

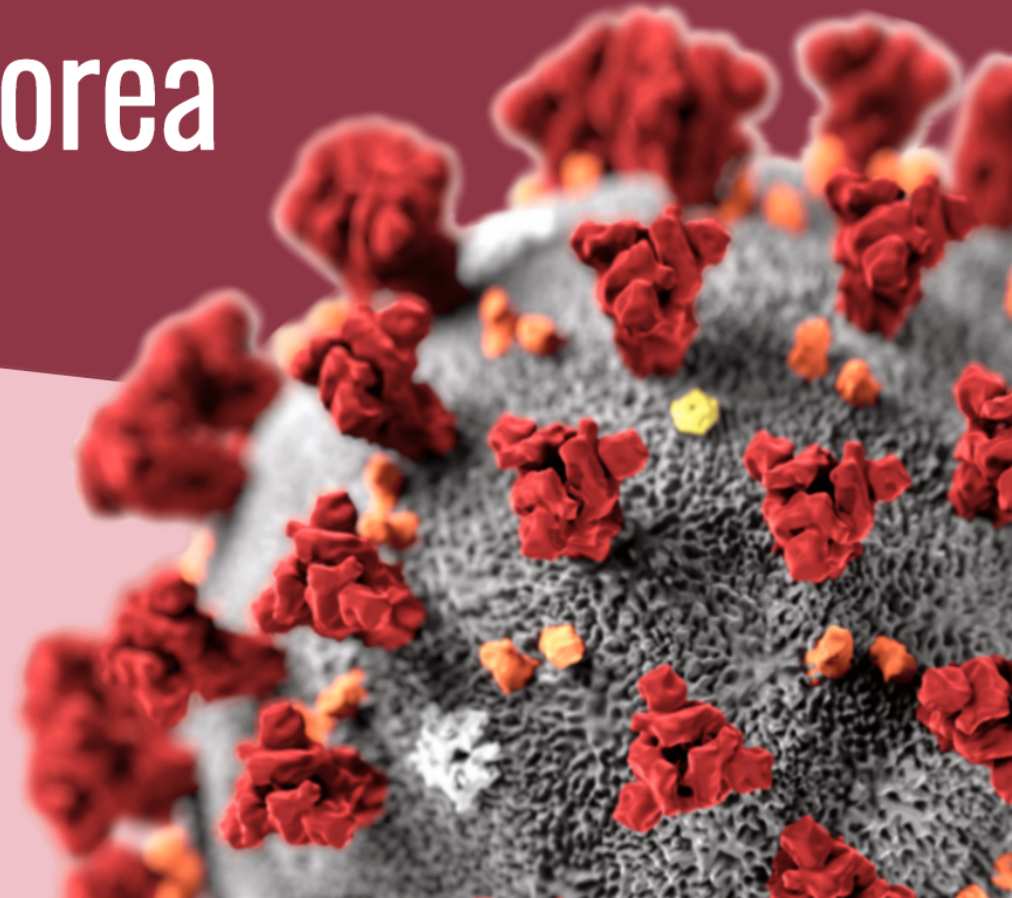
# **COVID-19 RESEARCH**

**in the US and South Korea**

**Dec 3, 2020**

**7-8:30PM US-EST**

**Event Program**



# Welcome

Welcome to the KWiSE Forum on COVID-19 Research in the US and South Korea!

COVID-19 pandemic is perhaps the greatest challenge in our time. To meet this challenge, medical researchers and health professionals all over the world have joined forces in finding ways to detect, treat, and vaccinate against this terrible disease. To contribute to this global effort, the Korean-American Women in Science and Engineering (KWiSE) organized a research forum on COVID-19, sponsored by the Korea Foundation. In today's inaugural event, KWiSE has invited two experts of international fame, Dr. Youngmee Jee from South Korea, and Dr. Connie Shmaljohn from the US to share their experience in COVID-19 research with us today.

Let me talk a bit about KWiSE. It is a nonprofit organization in US. Established in 2004, KWiSE has eight hundred members in eight chapters across the US, including LA, NIH, and Washington DC. The vast majority of members have advanced degrees in science and engineering, and are active researchers in their field. Due to geographical considerations, most activities such as annual symposium and mentoring sessions are run by chapters. In addition, NIH and DC chapters have focused on collaboration with other professional organizations in Korea and US, ranging from hosting research webinars with Korea Woman Scientists and Engineers, to STEM activities for next generations such as Florence Nightingale Day with American Statistical Association and Caucus for Women in Statistics.

I hope you enjoy today's outstanding presentations and discussion.

**Dr. Dong-Yun Kim**  
KWiSE Forum Organizing Committee Chair



Distinguished participants, ladies and gentlemen.

As president of the Korea Foundation, it is my great pleasure to sponsor the KWiSE Forum Series on COVID-19 Research in the US and South Korea.

The Korea Foundation(KF) is a not-for-profit, independent organization with a mission to promote better understanding of Korea in the international community and foster global friendship. So far, the KF has largely focused on promoting Korean studies at overseas universities and think tanks, as well as on invitation programs and cultural exchanges with many countries around the globe.

However, this unprecedented pandemic-induced crisis has required us to think bigger, widening our view and pursuing greater collaboration and dialogue in the field of public health and science in addition to our traditional programs.

We are dedicated to promoting such dialogue as one method of tackling this tremendous global issue in collaboration with other countries. The KF is happy to share Korea's transparent and scientific response to COVID-19, learn from others' experiences, and discuss global health issues in the long term. I hope today's event will help us better understand the way the pandemic proliferated, as well as what strategies can be taken to flatten the recurring curves in the world.

In closing, my appreciation goes out to all the members of KWiSE for your devotion, passion, and expertise in making this forum possible. Through cooperative efforts like today's dialogue, I am certain we can turn the challenges of COVID-19 into opportunities.

Thank you very much.

**Dr. Geun Lee**  
President of the Korea Foundation



# Agenda

<b>Time (US EST)</b>	<b>Scheduled Event</b>
<b>7:00-7:10 PM</b>	<b>Greetings</b> Dr. Dong-Yun Kim (Chair, KWiSE Forum Organizing Committee) Dr. Geun Lee ( <i>President, Korea Foundation</i> )
<b>7:10-7:40 PM</b>	<b>Infectious Disease R&amp;D in Korea: The Role of Science Amid COVID-19 and Beyond</b> Dr. Youngmee Jee ( <i>Special Advisor, Prime Minister in Health, South Korea</i> )
<b>7:40-8:10 PM</b>	<b>COVID-19 studies at the NIAID Integrated Research Facility (IRF-Frederick)</b> Dr. Conni Schmaljohn ( <i>Director, Integrated Research Facility-Frederick, NIAID/NIH</i> )
<b>8:10-8:30 PM</b>	<b>Discussion / Q &amp; A</b> Moderator: Dr. Eun-Chung Park ( <i>Program Officer, NIAID/NIH</i> )



## **Infectious Disease R&D in Korea: The Role of Science Amid COVID-19 and Beyond**

*Dr. Youngmee Jee, Special Advisor to the Prime Minister in health;  
Special Representative for Health Diplomacy, Korea Foundation*

## **COVID-19 studies at the NIAID Integrated Research Facility (IRF-Frederick)**

*Connie Schmaljohn, Director of the Integrated Research Facility-Frederick, NIAID/NIH*

### **Talk Abstract:**

The Integrated Research Facility at Fort Detrick in Frederick, Maryland, (IRF-Frederick) is part of NIAID's Division of Clinical Research. The mission of the IRF-Frederick is to manage, coordinate, and facilitate the conduct of emerging infectious disease and biodefense research. Among the unique capabilities of the IRF-Frederick are BSL-4 containment laboratories and advanced medical imaging technologies. In response to the COVID-19 pandemic, the IRF-Frederick has focused studies on developing animal models and assays to assess medical countermeasures to combat SARS-CoV-2 infections. Results of nonhuman primate and hamster model development studies and analysis and testing of antibody therapeutics will be described.



## Dr. Youngmee Jee

Special Advisor to the Prime Minister in health, South Korea, and Special Representative for Health Diplomacy, Korea Foundation

Dr. Youngmee Jee is Special Advisor to the Korean Prime Minister in health and Special Representative for Health Diplomacy, Korea Foundation. Dr Jee has broad experience in collaborating with WHO and international public health partners. Currently, she is a member of the WHO International Health Regulation Emergency Committee on COVID-19, and a member of the WHO Scientific Advisory Group for the Blueprint on Research and Development Preparedness for Epidemics. From 2014 to 2019, she served as Director-General of the Center for Infectious Disease Research of the Korea Centers for Disease Control and led various international activities including the WHO-Korea Joint Mission on MERS Outbreak in 2015 and the WHO International Health Regulation (IHR) Joint External Evaluation (JEE) on national public health emergency response capacity in 2017. She received a President Medal of Distinguished Service in 2017. She also served as a member of the Board of Trustees of the International Vaccine Institute (2016-2019) and President of the Korean Society of Infectious Diseases (2018-2019). During 2007-2014, Dr. Jee worked for the Expanded Program on Immunization in the WHO Western Pacific Region. She received her M.D. from Seoul National University Medical School (1986), and a Ph.D. in Virology from the University of London (1997).



## Dr. Connie Schmaljohn

Director of the NIAID Integrated Research Facility (IRF-Frederick)

Dr. Connie Schmaljohn is Director of the Integrated Research Facility-Frederick, of the National Institute of Allergy and Infectious Diseases (NIAID). Previously, she was the Senior Research Scientist for Medical Defenses against Infectious Disease Threats, for the US Army and directed a research program at the United States Army Medical Research Institute of Infectious Diseases (USAMRIID).

Dr. Schmaljohn earned a BS in Microbiology from the University of Nebraska and a PhD in Virology from Colorado State University, after which she joined USAMRIID as a National Research Council postdoctoral fellow. She was Principal Investigator and Chief of Molecular Virology at USAMRIID. She has served as President of the International Society of Hantaviruses, Chair of the American Society for Microbiology Biodefense Conference, and Chair of the International Committee on the Taxonomy of Viruses Bunyaviridae Study Group. She also has served on the Interagency Public Health Emergency Medical Countermeasure Enterprise (PHEMCE) Viral Hemorrhagic Fevers IPT, the Board of Scientific Counselors for the NIAID Vaccine Research Center, and the Scientific Advisory Council for the Coalition of Emergency Preparedness Innovations (CEPI). She was elected to the American Academy of Microbiology (2007) and was selected as Fellow of the International Society for Vaccines (2015). She received the Order of Military Merit (2002), the Association of Military Surgeons of the United States Research Award (2002), and the Presidential Rank Award (2017). Dr. Schmaljohn has published more than 200 peer reviewed journal articles and reference works.

## Moderator: Dr. Eun-Chung Park

Program Officer, NIAID/NIH

Dr. Eunchung Park is Program Officer at the Division of Microbiology and Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health (NIAID/NIH). She manages a portfolio of grants and contracts concerning RNA viruses including animal coronaviruses, picornaviruses, and paramyxoviruses. Before joining NIH, she was Instructor at Harvard Medical School working on developing gene therapy vectors and Senior Research Scientists at Alkermes, Inc. She received Ph.D. in Genetics at MIT and went through postdoctoral training at Harvard Medical School.

## KWiSE Forum Organizing Committee

**Chair:**

**Dong-Yun Kim** (NHLBI/NIH)

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**Yangmee Shin**



한국국제교류재단



The logo for KWise features the letters 'K', 'W', 'i', 'S', and 'E' in a bold, sans-serif font. The 'K' is green, 'W' is blue, 'i' is orange, 'S' is purple, and 'E' is red.

***Korean-American Women  
in Science & Engineering***

KWiSE is a professional organization of women scientists and engineers with Korean heritage. We offer members networking and career development opportunities as well as mentoring for junior members. We also hold annual symposiums organized by local chapters to share knowledge and experience with the community.

For more information, please visit our website at ***[www.kwise.org](http://www.kwise.org)***

To join KWise, fill out a free application at:  
***[\[www.kwise.org/membership/registration\]](http://www.kwise.org/membership/registration)***