

# 아시아 태평양 지역 기후·환경·건강 심포지움



2019. 6. 20(목) - 21(금) 09:00-18:00

20일: 서울대학교 의과대학 행정관 대강당

21일: 서울대학교 어린이병원 임상1강의실

사전등록(선착순 마감) 문의처 e-mail: ehck@ehck.kr | 전화번호: 041-550-1158~9

주최  서울특별시  
SEOUL METROPOLITAN GOVERNMENT

주관  [사]환경보건센터연합회  
ASSOCIATION OF ENVIRONMENTAL HEALTH CENTERS

후원  World Health Organization  
Western Pacific Region

 환경부

 서울대학교  
SEOUL NATIONAL UNIVERSITY



Air pollution has become a growing concern worldwide. Mass concentration of particulate matter less than 2.5 micrometres in aerodynamic diameter (PM<sub>2.5</sub>) is one of the major risk factors for global burden of disease, leading to 4.1 million deaths from stroke, ischemic heart disease, chronic obstructive pulmonary disease, acute lower respiratory infection, and lung cancer.

World Health Organization (WHO) and the Global Burden of Disease (GDB) group announced that Asia and the Pacific region has recorded the highest number of death because of the air pollution. However, in spite of this disastrous situation, many Asian countries are suffering from the lack of information, shortage of resources, limitation of the technology, and weakness on the cooperation and linkage with other countries regarding the health impact of air pollution exposure. In particular, transboundary air pollution is a complex issue. It calls for the cooperation of governmental, intergovernmental, and regional efforts to address the issue properly.

Climate change also brings serious risks to public health in Asia and the Pacific region. While heat waves are expected to increase morbidity and mortality in vulnerable groups, altered rainfall patterns and water flows will impact crop production and thus increase malnutrition. At the same time, changes in air and water temperatures, as well as increased incidence of extreme events, will affect transmission of infectious diseases. Sea level rises will also affect many of the Pacific Island countries.

Celebrating the opening of the 'WHO Asia-Pacific Centre for Environment and Health in the Western Pacific Region', we would like to have symposium on health impact of air pollution and climate change, particularly focusing on susceptible populations. This meeting, we hope, will be an important step to promote and improve collaboration and cooperation in addressing the air pollution and climate change and their health impact in the region. In this symposium, participants are going to discuss exposure assessment and health impact of air pollution and climate change. By building a cooperative information exchange opportunity, we hope to increase the overall understanding of health impact and exposure-outcome, inform decision makers at the highest level and progress real action of countries in the Asia Pacific Region.

I attached programs and directions to venues and a hotel. If you have any questions, please contact Ms. Heejin Lee via email (leehj1220@snu.ac.kr) or phone (+82-10-5110-4125). I look forward to meeting you in Seoul in June, 2019.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Yun-Chul Hong'.

Yun-Chul Hong, M.D., Ph.D.

Chair of Thematic Working Group on Air Quality  
President, Association of Environmental Health Center  
Director, SNU Institute of Environmental Medicine



## 프로그램

Day 1 일시: 2019년 6월 20일 목요일		
장소: 서울대학교 의과대학 행정관 대강당		
시간	행사내용	발표자
08:30-09:00	사전 등록 및 네트워킹	
09:00-09:30	<b>개회사</b> ▷ 축 사: ① 환경부 장관 ② 서울특별시장 ③ 서울대학교 의과대학 학장 ▷ 기념촬영	Minister, MOE Korea Mayor, Seoul City Dean, SNU Medical College
<b>[세션 1: 아시아 태평양 지역의 기후, 환경과 건강]</b>		
<b>좌장 : 배귀남</b>		
09:30-10:00	아시아 태평양 지역의 보건과 환경에 관한 접근	Wilfried Kreisel, WHO advisor
10:00-10:30	서울시의 환경 보건 실천 방향	Director, Citizen Health of Seoul City
10:30-10:45	<b>쉬는 시간</b>	
10:45-11:15	WHO의 협력 센터로서 역할	Director, Environmental Health, NIER Korea
11:15-11:45	유럽의 WHO 환경보건센터의 경험	Michal Krzyzanowski, King's College of London
11:45-12:00	토론	
12:00-1:30	<b>점심</b>	
<b>[세션2: 기후변화, 대기오염과 건강]</b>		
<b>좌장: Masahiro Hashizume</b>		
13:30-14:00	국제적 관점에서 기후 변화와 적응	Yasushi Honda, Univ of Tsukuba
14:00-14:30	기후 변화와 태평양 섬 국가의 대응	Hae-Kwan Cheong, Sungkyunkwan Univ
14:30-15:00	NGO와 커뮤니티 관점으로 본 기후 변화	Dang Espita-Casanova, Clean Air Asia



# Symposium for Climate, Environment, and Health in Asia Pacific

June 20-21, 2019, Seoul, South Korea

15:00-15:30	시민의 관점으로 본 대기 오염	Sang-Seok Song, The National Network of Environmental Organization of Korea
15:30-16:00	쉬는 시간	
<b>[세션3: 월경성 대기 오염]</b>		
<b>좌장: Yun-Chul Hong</b>		
16:00-16:30	월경성 대기 오염에 대한 개관	Bin Jalaludin, New South Wales Univ
16:30-17:00	LRTAP 협약의 경험을 중심으로	Michal Krzyzanowski, King's College of London
17:00-17:30	동북아 아시아의 Clean Air 파트너십	Sangmin Nam, UN ESCAP
17:30-18:00	"아시아와 태평양의 월경성 대기오염에 대한 국제협력체계"를 위한 논의	<i>Discussion</i>
<b>폐회사</b>		
18:30-	저녁	



# Symposium for Climate, Environment, and Health in Asia Pacific

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Day 2 일시: 2019년 6월 21일 금요일		
장소: 서울대학병원 어린이병원 임상1강의실		
시간	행사내용	발표자
<b>[세션 4] 개관</b>		
<b>좌장: Bin Jalaludin</b>		
09:00-09:45	실내와 실외의 대기 오염과 건강	Geoffrey Morgan, Univ of Sydney
09:45-10:30	대기 오염과 도시 환경	Haneen Khreis, Univ of Texas
10:30-10:45	쉬는 시간	
<b>[세션5] 대기 오염 연구의 새로운 발견 1</b>		
<b>좌장: Yangho Kim</b>		
10:45-11:15	아토피성 피부염에 미치는 미세 먼지의 영향	Kangmo Ahn, Sungkyunkwan Univ
11:15-11:45	대기 오염과 선천성 질환	Yun-Chul Hong, Seoul National Univ
11:45-12:15	대기 오염과 호흡기 질환	Youn-Hee Lim, Seoul National Univ
12:15-13:30	점심	
<b>[세션6] 대기 오염의 새로운 발견 2</b>		
<b>Chair: Ji Tae Choung</b>		
13:30-14:00	대기 오염과 심혈관 질환	Woo-Jin Kim, Kangwon National Univ
14:00-14:30	대기 오염과 천식	Young Yoo, Korea Univ
14:30-15:00	대기 오염과 인지 기능	Ki-Chung Baik, Dankook Univ
15:00-15:15	쉬는시간	
<b>[세션7] 기후 변화와 공동의 이익을 위해</b>		
<b>좌장: Ho Kim</b>		
15:15-15:45	열 관련 사망률 및 질병 발생률	Yasushi Honda, Univ of Tsukuba
15:45-16:15	기온과 관련한 새로운 질병	Yoon-Jung Choi, Seoul National Univ
16:15-16:45	기후 변화 완화의 공동 이익	Masahiro Hashizume, Nagasaki Univ
16:45-17:15	기후 변화와 건강 전문가의 역할	Cunrui Huang, Sun Yat-sen Univ
17:15-17:30	결론과 폐회사	

\* 발표자, 좌장 및 참여자 여러분들은 저녁식사에 참여하여 주시기 바랍니다.



## Programs

<b>Day 1</b>		
<b>Time: Thursday, June 20<sup>th</sup>, 2019</b>		
<b>Place: Seoul National University College of Medicine, Administrative Building, Auditorium</b>		
<b>Time</b>	<b>Activity</b>	<b>Presenter</b>
08:30-09:00	Registration and coffee	
09:00-09:30	<b>Opening and Welcome</b>	Minister, MOE Korea Mayor, Seoul City Dean, SNU Medical College
<b>[Session 1: Climate, Environment and Health in Asia Pacific Area] Chair: Gwi-Nam Bae</b>		
09:30-10:00	Approach to Health and Environment in Asia Pacific Area	Wilfried Kreisel, WHO advisor
10:00-10:30	Action Plan of Health and Environment in Seoul City	Director, Citizen Health of Seoul City
10:30-10:45	<b>Break</b>	
10:45-11:15	Collaboration as a CC of WHO	Director, Environmental Health, NIER Korea
11:15-11:45	Experience of WHO Center of EH in Europe	Michal Krzyzanowski, King's College of London
11:45-12:00	Discussion	
12:00-1:30	<b>Lunch</b>	
<b>[Session 2: Climate Change, Air Pollution and Health] Chair: Masahiro Hashizume</b>		
13:30-14:00	Climate change adaptation – what is working and what is not – a global overview	Yasushi Honda, Univ of Tsukuba
14:00-14:30	Climate change and Pacific Island countries – an overview	Hae-Kwan Cheong, Sungkyunkwan Univ
14:30-15:00	Climate change and air pollution from NGO/community perspective	Dang Espita-Casanova, Clean Air Asia
15:00-15:30	Air pollution and climate change from Citizen's Perspective	Sang-Seok Song, The National Network of Environmental Organization of Korea
15:30-16:00	<b>Break</b>	
<b>[Session 3: Transboundary Air Pollution] Chair: Yun-Chul Hong</b>		
16:00-16:30	Overview of Transboundary AP	Bin Jalaludin, New South Wales Univ
16:30-17:00	Experience from the Convention on LRTAP	Michal Krzyzanowski, King's College of London
17:00-17:30	North-East Asia Clean Air Partnership	Sangmin Nam, UN ESCAP
17:30-18:00	Next steps towards a "Convention on Air Quality and Climate in Asia and the Pacific"	<i>Discussion</i>
<b>Closing</b>		
18:30-	<b>Dinner</b>	



<b>Day 2</b>		
<b>Time: Friday, June 21<sup>st</sup>, 2019</b>		
<b>Place: Seoul National University Children's Hospital, Lecture Room 1</b>		
<b>Time</b>	<b>Activity</b>	<b>Presenter</b>
<b>[session 4] Overview</b>		
<b>Chair: Bin Jalaludin</b>		
09:00-09:45	Ambient and Household Air Pollution and Health	Geoffrey Morgan, Univ of Sydney
09:45-10:30	Air Pollution and Urban Environment	Haneen Khreis, Univ of Texas
10:30-10:45	<b>Break</b>	
<b>[session 5] New findings of Air Pollution research</b>		
<b>Chair: Yangho Kim</b>		
10:45-11:15	Impact of particulate matter on atopic dermatitis	Kangmo Ahn, Sungkyunkwan Univ
11:15-11:45	Air Pollution and Congenital Disease	Yun-Chul Hong, Seoul National Univ
11:45-12:15	Air Pollution and Cardiovascular Disease	Youn-Hee Lim, Seoul National Univ
12:15-13:30	<b>Lunch</b>	
<b>[Session 6] New findings of AP research</b>		
<b>Chair: Ji Tae Choung</b>		
13:30-14:00	Air Pollution and Respiratory Disease	Woo-Jin Kim, Kangwon National Univ
14:00-14:30	Air Pollution and Asthma	Young Yoo, Korea Univ
14:30-15:00	Air Pollution and Cognitive Function	Ki-Chung Baik, Dankook Univ
15:00-15:15	<b>Break</b>	
<b>[Session 7] Climate change and Co-Benefit</b>		
<b>Chair: Ho Kim</b>		
15:15-15:45	Heat-related mortality and morbidity	Yasushi Honda, Univ of Tsukuba
15:45-16:15	New diseases linked with temperature	Yoon-Jung Choi, Seoul National Univ
16:15-16:45	Co-Benefits of climate change mitigation	Masahiro Hashizume, Nagasaki Univ
16:45-17:15	Health professionals in a changing climate	Cunrui Huang, Sun Yat-sen Univ
17:15-17:30	Concluding remarks and closing	

**\*Speakers, chairs, and participants are invited to dinner.**



# Symposium for Climate, Environment, and Health in Asia Pacific

June 20-21, 2019, Seoul, South Korea

## Directions to Venues

**Day 1:** June 20<sup>th</sup>, 2019: Seoul National University College of Medicine, Administrative Building, Auditorium

- Address: 103 Daehak-ro, Jongno-gu, Seoul, Republic of Korea  
(서울시 종로구 대학로 103, *서울대학교 의과대학 행정관 대강당*)

**Day 2:** June 21<sup>st</sup>, 2019: Seoul National University Children’s Hospital, Lecture Room 1

- Address: 103 Daehak-ro, Jongno-gu, Seoul, Republic of Korea  
(서울시 종로구 대학로 103, *서울대병원 어린이병원 제1 임상강의실*)

- **Public transportations**

- **Subway: Line number 4 (Blue line), Exit No.3**

- **Bus: 100, 102, 104, 106, 107, 108, 109, 140, 143, 150, 160, 162, 273, 301, 601, 710, N16, 2112,**

- From the Mayplace hotel to venues: It takes 10-15 minutes by walk.





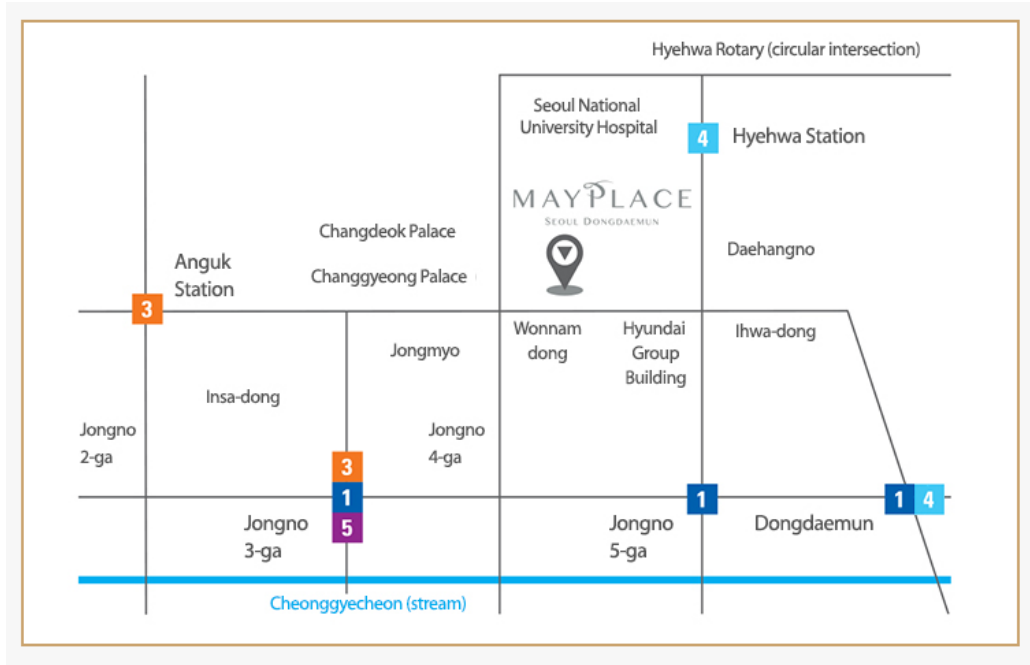


# Symposium for Climate, Environment, and Health in Asia Pacific

June 20-21, 2019, Seoul, South Korea



## Direction from the Incheon Airport to the Mayplace hotel



**Hotel address: 179 Yulgo-Ro, Jongno-Gu, Seoul, South Korea**

**Hotel phone number: +82-2-742-8080**

- 1) By airport shuttle
  - Take Airport Bus # 6011 at Incheon International Airport (bound for Wolgye Daewoo Apartment) and get off at Changgyeongung. Walk towards Wonnam-dong Intersection for 1 minute.
  - Bus location: 5B, 12A on 1st floor of Incheon International Airport
  - Fare: 10,000 won; Interval: 20-30 min; Time: Around 1 hour and 10-20 minutes
- 2) By subway
  - Take the subway at Incheon International Airport Station (Airport Railroad) → Transfer to Subway Line #1 at Seoul Station → Get off at Jongno 5-ga Station → Take Subway Line # 1 and get off at Jongno 5-ga Station → Take exit #12 and walk towards Wonnam-dong Intersection on Changgyeongung-ro for 12 minutes.
  - Time: Around 1 hour and 20 minutes; Fare: 3,950 won
- 3) By taxi
  - Travel distance: 38 miles in total; Time: about 1 hour and 25 minutes
  - Taxi fare: about 60,000 won