



35th Annual
Conference of the
International
Society for
Environmental
Epidemiology

September 17-21, 2023



Kaohsiung, Taiwan

Connecting the
East and the West,
One Health in
One Planet

**Final
Program
Book**



ISEE

#ISEE2023

www.ISEEconference.org

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MOBILE APPLICATION

Be sure to download the official ISEE 2023 app!

- Navigate the Conference program
 - Customize your own schedule
 - Post to social media accounts
- Follow meeting news and alerts
- Connect with other attendees

You may download the app from IOS/App Store or Android/ Google Play through the below QR codes:



**Download from
IOS/App Store**



**Download from
Android/Google Play**

The event code for the mobile application **isee2023**.

To login to the mobile app,
please use the credentials that have been
sent to you via e-mail before the Conference.

WELCOME LETTER

Welcome to the 35th Annual Conference of the International Society for Environmental Epidemiology!

I am delighted to welcome you to Kaohsiung for the 35th Annual Conference. This conference, “Connecting the East and the West, One Health in One Planet,” features a robust program that highlights the important work of our community.

In addition to several keynote lectures and panels, the program includes something for everyone, from symposia and oral sessions to poster presentations and Pecha Kucha sessions. ISEE chapters and committees have organized several sessions, including “Health and mental health are associated with threats and humiliation at the workplace,” Monday, September 18, 5:00pm, “Effective involvement of ISEE members in United Nations’ international climate policy,” Tuesday, September 19, 7:30am, “Transitioning from PhD to Postdoc,” Tuesday, September 19, 7:30am, “Beyond Academia: Fulfilling and Exciting Non-Academic Careers,” Wednesday, September 20, 7:30am, and “Environmental Health Data and Research: Ethical Challenges and Opportunities in the Digital Age,” Wednesday, September 20, 4:15pm.

We are also excited to support our younger members with a slate of activities organized by our Student and New Researchers Network (SNRN). The Student and New Researchers Network is open to all students, postdoctoral trainees, and new researchers (who have fewer than 5 years of experience from their terminal degree) in the field of environmental epidemiology or other related disciplines. The SNRN will host an informal networking session at Sunset Bar on Qijin Island on Tuesday evening. If you haven’t signed up to participate, do so by 3pm (local time) Monday, September 18: <https://bit.ly/45BTc19>. We will close out the conference with the SNRN Awards on Thursday, so be sure to come and recognize the emerging work from the future of the field!

The conference provides a unique opportunity for our members to come together and learn about the state of the society and share their feedback at the Annual Membership Meeting. This year, the meeting will be held on Monday, September 18, and I hope to see many of you there. The Society is only as strong as its members, and we welcome the opportunity to hear about your membership experience. ISEE chapters and committees will also hold an informational fair during the lunch hour on Monday, and we encourage you to attend. This fair will provide an opportunity to get more involved in regions or topics for which you have passion. Finally, I hope we will see you at the ISEE Award Ceremony, which will be held at 8:15am on Wednesday, September 20. I can think of no better way to wrap up the conference than to celebrate the incredible achievements of our members.

This year marks my last year as ISEE President, and I have valued the opportunity to serve you these past few years. Beginning January 1, 2024, Nelson Gouveia will assume the role of President, and I will become Past President. I am excited to hand the reigns to Nelson and look forward to his leadership. I would also like to thank and recognize ISEE’s Secretary-Treasurer, Michelle Turner, who has served ISEE in this demanding role since 2019. She has helped ISEE keep our sound financial footing through these past years, and I am indebted to her for her service. ISEE operates thanks to our members who generously volunteer their time for the success of the Society in various capacity. Please consider joining a committee, work with a regional chapter, or help us in the year-round activities that ISEE offers to all of us. We need everyone’s help!

Thank you for your participation in this year’s conference, and I look forward to what the next few days will bring.



Andrea Baccarelli
President, ISEE

WELCOME BY THE 2023 ISEE ANNUAL CONFERENCE CO-CHAIRS

Dear colleagues, friends, and ISEE Community,

It is our great pleasure to welcome you to the 36th Annual ISEE Conference in Kaohsiung, Taiwan, which is an in-person and hybrid conference of our society. Our annual conference is the preeminent international conference in Environmental Epidemiology and has been strategically held in different locations worldwide.

The main theme of the 2023 Conference is “Connecting the East and the West, One Health in One Planet”, which features presentations from across the globe that highlight the importance of a global and one health perspective in Environmental Epidemiology.

Together with the local conference organisers we have assembled an exciting program which includes a diversity of topics associated with environmental epidemiology, representing several multi-disciplinary approaches and links to policy. In addition to several keynote lectures and panels from different parts of the world, this year's program includes topics for a broad audience in different formats ranging from symposiums to oral sessions and poster presentations which are held in person as well as in hybrid format.

We are very excited that many early career investigators are able to join this year's conference. Our Student and New Researchers Network (SNRN) has organised a networking session which will be held on Tuesday, September 19th at 17.45 at Cijin Island, as well as two morning sessions on Academic Career Paths and Non-Academic Career Paths.

The annual conference committee together with the sustainability taskforce have worked towards making our Conference more sustainable and accessible to all. The program includes full hybrid sessions in different time zones as well.

We are looking forward to having a scientifically stimulating conference and really hope that you will enjoy the conference either in-person or online.



Tamara Schikowski
Co-Chairs of the
Annual Conference Committee



Joseph Braun
Co-Chairs of the
Annual Conference Committee

WELCOME BY LOCAL ORGANIZING COMMITTEE

Esteemed Delegates and Guests,

It brings me immense joy to welcome you all to the ocean city of Kaohsiung for the 2023 Annual Conference of the International Society for Environmental Epidemiology, under the guiding theme of “Connecting the East and the West, One Health in One Planet.”

Our world, with its beautifully diverse cultures and intricate natural systems, is an interconnected fabric where actions in one corner can leave lasting impacts worldwide. Our theme encapsulates this global interconnectivity, underlining that our collective health is inextricably linked to the vitality of our shared environment.

Our goal for this conference is to foster a dialogue that bridges the East and West. These are not merely geographic terms but symbolic representations of a myriad of perspectives, methodologies, and traditions. By merging these diversities, we aspire to spotlight globally beneficial practices, thereby encouraging a well-rounded approach to our collective challenges.

“One Health in One Planet” emphasizes the intricate relationships between human health, animal health, and environmental health, particularly in the wake of the COVID-19 pandemic. It propels us to adopt an integrated, cooperative approach to combat the global health threats that exist at the human-animal-ecosystem nexus.

We firmly believe that a healthier, more equitable planet is achievable through a comprehensive view that acknowledges the intertwined nature of human health, environmental health, and cultural and scientific practices. This conference is designed to provide a platform to exchange ideas, collaborate, and form strategies that go beyond regional and disciplinary boundaries.

In our deliberations, we will navigate a spectrum of topics from air pollution, water contamination, toxic waste, hazardous materials, and occupational settings where chemicals or other hazards are present to climate change, food security, biodiversity conservation, and sustainable development. We are privileged to hear from thought leaders and experts from various fields, and together, we will work to devise practical and effective plans.

As we embark on this journey of collaboration and learning, let's remind ourselves of the power of collective action and shared knowledge. The decisions we make, the strategies we formulate, and the initiatives we undertake can shape a more sustainable, equitable, and healthier world.

With these words, we officially open the 2023 Annual Conference of the International Society for Environmental Epidemiology in Kaohsiung, held under the banner “Connecting the East and the West, One Health in One Planet.” We welcome the joint participation of 887 scholars and experts from 65 countries around the world. May this gathering serve as a beacon for open dialogue, shared learning, and united action.

On behalf of the Local Organizing Committee



Pau-Chung Chen, MD, PhD
Director
National Institute of Environmental
Health Sciences, Taiwan



Chun-Yuh Yang, PhD
President
Kaohsiung Medical University, Taiwan

COMMITTEES

ISEE Leadership

Officers

President (2022-2023)

Andrea Baccarelli, MD, PhD

President-Elect (2023)

Nelson Gouveia, MD, MSc, PhD

Secretary-Treasurer (2019-2024)

Michelle Turner, PhD

Councilors

Adetoun Mustapha, PhD, DIC, MPH (2021-2023)

Zorana Jovanovic Andersen, PhD (2022-2024)

Ruth A. Etzel, MD, PhD (2023-2025)

Yue-Liang Guo, MD, MPH, PhD (2021-2023)

Jamie E. Hart, ScD (2022-2024)

Maria Elisa Quinteros Caceres, DDS, MSc, PhD (2023-2025)

Students and New Researchers Network Steering Committee

Students and New Researchers Network (SNRN) Co-Chairs

Tanya Singh, MPH, MSc, PhD Candidate

Emile Whaibeh, MPH, PhD Candidate

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Brenda M. Trejo Rosas, MPH, PhD Candidate

Lorenzo Fabbri, MSc, PhD Candidate

Aditi Roy, PhD

Ashtyn Areal, MSc, PhD Candidate

Charles Ssemugabo, MPH, DPRM

Andy Tsung-Lin Tsai, PhD

Rachel M. Shaffer, PhD, MPH, Post-Doctoral Fellow

Estela Blanco, PhD, MPH, MA

Jaime Reyes, MD, MS, PhD Candidate

Amira Aker, MPH, PhD

COMMITTEES

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Kaohsiung, Taiwan

Yun Lai, MS
Project Manager, National Institute of Environmental
Health Sciences, NHRI
Miaoli, Taiwan

Betty Ya-Wen Chiu, PhD
Professor, Department of Public Health, Kaohsiung
Medical University
Kaohsiung, Taiwan

Jia-Hwa Yang, PhD
Postdoctoral Research Fellow, National Institute of
Environmental Health Sciences, NHRI
Miaoli, Taiwan

Chi-Chang Ho, PhD
Postdoctoral Research Fellow, Institute of
Environmental and Occupational Health Science,
College of Public Health, National Taiwan University
Taipei, Taiwan

Wen-Yi Lee, MS
Research Assistant, National Institute of
Environmental Health Sciences, NHRI
Miaoli, Taiwan

Chia-Jung Tung, MS
Student, Institute of Environmental and Occupational
Health Science, College of Public Health, National
Taiwan University
Taipei, Taiwan

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Taichung, Taiwan

Yu-Cheng Chen, PhD
Associate Investigator, National Institute of
Environmental Health Sciences, NHRI
Miaoli, Taiwan

Ta-Chih Hisao, PhD
Professor, Graduate Institute of Environmental
Engineering, National Taiwan University
Taipei, Taiwan

COMMITTEES

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Chang-Chuan Chan, PhD
Chang-Fu Wu, PhD, CIH
Chao-Yu Guo, PhD
Chia-Jung Hsieh, PhD
Ching-Huang Lai, PhD
Chuan-Yu Chen, MS, PhD
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Chih-Hung Lee, MD, PhD
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Yue Leon Guo, MD, PhD

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Atsuko Ikeda, Japan
Beate Ritz, United States
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Chun-Yuh Yang, Taiwan
Devon Payne-Sturges, United States
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Mark Nieuwenhuisjen, Spain
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Tamara Schikowski, Germany
Tanya Singh, Australia
Tony Fletcher, United Kingdom
Wael Al-Delaimy, United States
Yun Lai, Taiwan
Yun-Chul Hong, South Korea

ABOUT ISEE



Our Vision

We are a scientific association in environmental epidemiology that impacts research, training and policy worldwide.

Our Mission

To foster epidemiological studies on the effects of environmental exposures in people, stimulate communication between health professionals, promote methodological advances, and strengthen environmental health policy.

Our Philosophy

- Our membership is open to environmental epidemiologists and other scientists worldwide.
- We provide a forum for the discussion of problems unique to the study of health and the environment by supporting annual meetings, newsletters, critical reviews and commentaries, workshops, and regional events.
- We facilitate communication across disciplines by involving epidemiologists, toxicologists, exposure analysts, and other environmental scientists and moral philosophers in our annual meetings and committees.
- We support innovative approaches to substantive or methodologic problems and applications of environmental epidemiology by featuring new research at our annual meetings and supporting new researchers.
- We use environmental epidemiology to inform public policy by developing consensus statements, scientific commentaries, and acting as liaisons with academic, governmental, inter-governmental, non-profit and business institutions.
- We support the involvement of scientists from around the world and subsidize membership costs for scientists in developing countries to encourage their participation.

Our Values

All members are expected to embrace the following values:

Integrity. Do what is morally and ethically right.

Diversity. Promote an environment that is free from prejudice and discrimination and embraces the uniqueness of every member's experience, background, interests, culture, and contributions.

Member Service. Be responsible stewards of ISEE resources in effectively meeting the needs of members.

Communication. Recognize that effective communication (writing, speaking, or listening) is the responsibility of all members.

Respect and Trust. Treat each other with fairness, dignity, understanding, and compassion.

Career Development. Promote training, education, mentoring, and career growth.

Excellence. Foster creativity, innovation, and teamwork while seeking continuous improvement in the science and practice of environmental epidemiology.

Sustainability. Meet the needs of the present without compromising the ability of future generations to meet their needs.

Our Conflict-of-Interest Policy

It is our policy that the efforts and activities of officers, councilors, committee chairs and other Society members performed on behalf of the ISEE not be compromised by any significant conflict of interest including:

- Engaging in any business or other activities that would directly or indirectly materially adversely affect the ISEE, including but not limited to affecting the reputation, professionalism or finances of ISEE.
- Using the ISEE membership and platform to pursue or support personal ideological or financial gains beyond the norms expected from membership of a professional scientific society.
- Influencing nominations for awards or provision of travel awards to benefit oneself.
- Seeking sponsorship from exhibitor, sponsor, contractor, or any other person or entity as conference organizer that would result in personal financial profit.

You can read more about this policy, and download our conflict of interest form [here](#).

ABOUT ISEE



Contacting ISEE

For questions or information about applying for or renewing your membership, membership status, your member subscription to Epidemiology, or joining a committee please contact the ISEE Secretariat.

International Society for Environmental Epidemiology

c/o Infinity Conference Group, Inc.

1035 Sterling Road, Suite 202

Herndon, VA 20170 USA

Phone: 1-703-925-0178, toll free (US only): 844-369-4121

Fax 1-703-925-9453

E-mail: secretariat@iseepi.org

ISEE OFFICERS

PRESIDENT [2022-2023]

PRESIDENT-ELECT [2023]

SECRETARY-TREASURER [2019-2024]

Councilors

Andrea Baccarelli, MD, PhD

Nelson Gouveia, MD, MSc, PhD

Michelle Turner, PhD

Adetoun Mustapha, PhD, DIC, MPH [2021-2023]

Yue-Liang Guo, MD, MPH, PhD [2021-2023]

Zorana Jovanovic Andersen, PhD [2022-2024]

Jaime E. Hart, ScD [2022-2024]

Ruth A. Etzel, MD, PhD [2023-2025]

Maria Elisa Quinteros Caceres, DDS, MSc, PhD [2023-2025]

VENUE INFORMATION & FLOOR PLAN

KAOHSIUNG EXHIBITION CENTER

The ISEE 2023 Annual Conference will be held at the Kaohsiung Exhibition Center, which is located centrally within the city.



Kaohsiung Exhibition Center (KEC)

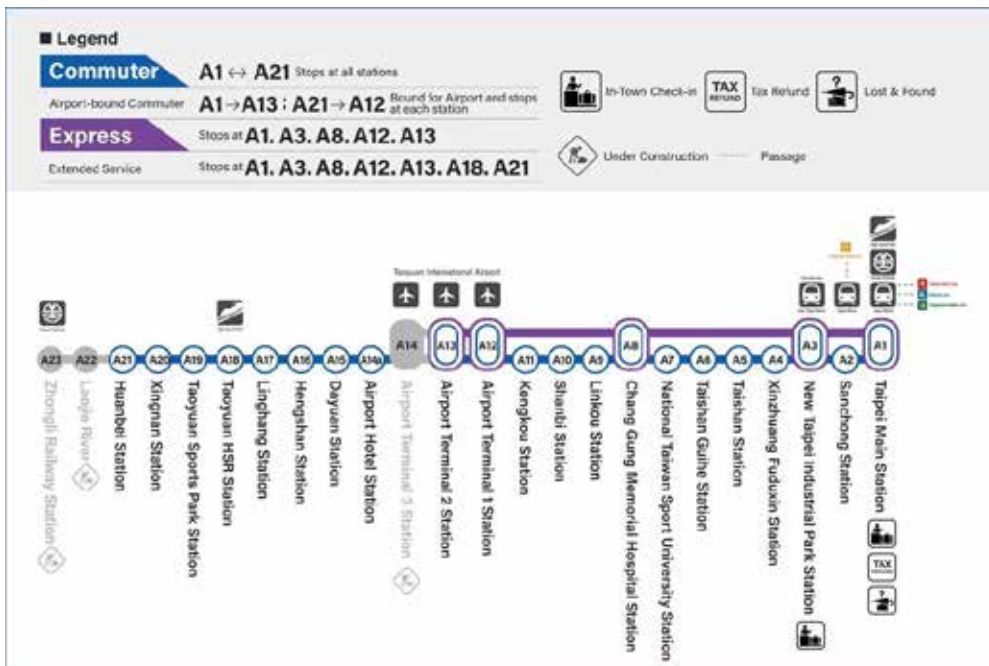
No.39, Chenggong 2nd Road, Qianzhen Dist., Kaohsiung 806, Taiwan, ROC

HOW TO REACH THE KEC

From Taoyuan International Airport (Taipei):

Upon arrival, please proceed to the MRT station. Both Terminal 1 (Station A12) and Terminal 2 (Station A13) have express and commuter trains available at approximately 7.5-minute intervals. The High Speed Rail (HSR) is located at station A18.

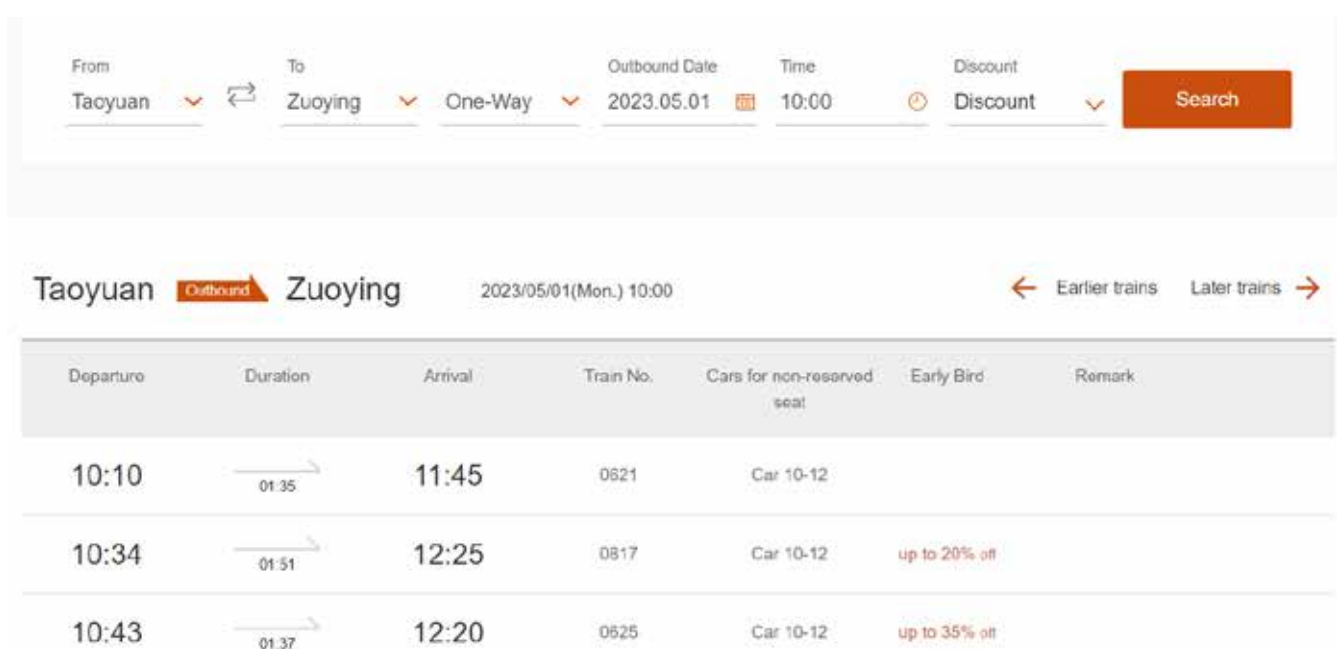
Please keep in mind that eating and drinking is forbidden at MRT stations and on trains.



VENUE INFORMATION & FLOOR PLAN

Upon arrival at the Taoyuan HSR Station (A18), please follow the signs for the HSR. There are ticketing machines which operate in multiple languages (including English) as well as ticket counters to purchase your ticket. You may also buy tickets online via the Taiwan High Speed Rail Website.

The HSR station for Kaohsiung is **Zuoying**. The shortest journey takes 1h35min. You may buy snacks in advance before boarding the train. It is also possible to buy soft drinks, coffee, and snacks on board. If you have luggage larger than cabin size, we recommend you purchase a ticket with a reserved seat.



The screenshot shows a search interface for the Taiwan High Speed Rail website. The search criteria are: From Taoyuan, To Zuoying, One-Way, Outbound Date 2023.05.01, Time 10:00, and Discount Discount. The search results show three train options:

Departure	Duration	Arrival	Train No.	Cars for non-reserved seat	Early Bird	Remark
10:10	01:35	11:45	0821	Car 10-12		
10:34	01:51	12:25	0817	Car 10-12	up to 20% off	
10:43	01:37	12:20	0825	Car 10-12	up to 35% off	

Upon arrival at Zuoying Station, you may proceed to the Kaohsiung Metro/Kaohsiung Rapid Transit (KRT) or take a taxi to reach the venue.

From Kaohsiung International Airport:

Upon arrival, please proceed to the Kaohsiung International Airport KRT Station. From here, you can take the KRT to the Sanduo Shopping District Station. Trains are available from Kaohsiung International Airport every 4-6 minutes during rush hour, and no more than 8 minutes during off-peak hours.

Once you get off at the Sanduo Shopping District Station (Exit 2), the KEC is a 10-minute walk away.

For more information on how to get to the KEC using different transportation methods (bus, car, City Bike, etc.),

VENUE INFORMATION & FLOOR PLAN

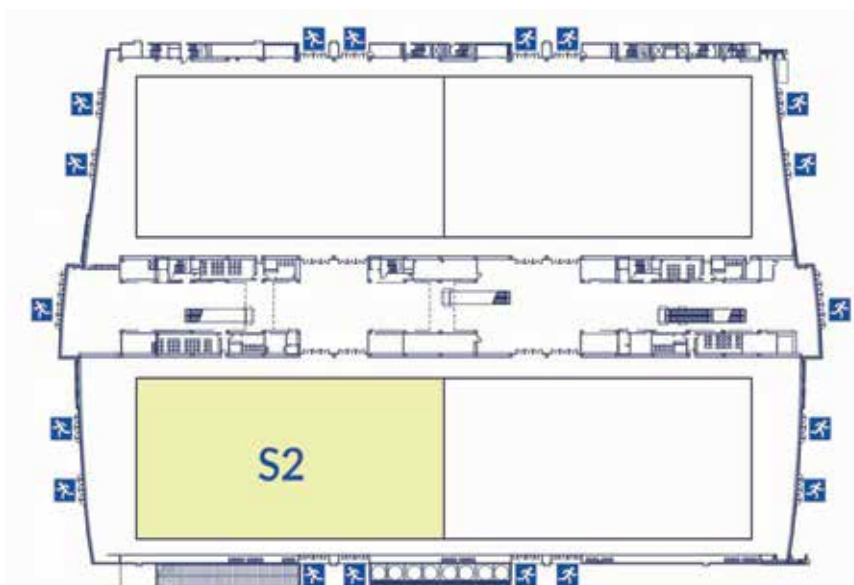
FLOOR PLAN

3rd Floor



- Plenary Hall
- Parallel Halls
- ISEE Office
- PCO Office
- Speakers Ready Room
- Registration
- ISEE Chapters & Committee Fair Area
- Posters, Exhibition and Catering Area

1st Floor



- S2 - Conference Dinner Room

GENERAL INFORMATION

CONFERENCE VENUE

Kaohsiung Exhibition Center (KEC)

Address: No.39, Chenggong 2nd Road, Qianzhen Dist., Kaohsiung 806, Taiwan, ROC

Website: <https://www.kecc.com.tw/>

How to reach KEC: <https://www.iseeconference.org/about-the-conference/venue/>

LANGUAGE

The official language of ISEE 2023 is English.

TIME ZONE

There are no Daylight-Saving Time clock changes in Taiwan, as the country observes the National Standard Time (UTC + 08:00) year-round.

REGISTRATION DESK & ITS OPERATING HOURS

The Registration Desk is located on the 3rd Floor, along with all session halls, posters, exhibition & catering area.

September 17, 2023, Sunday	09:30 – 18:00
September 18, 2023, Monday	08:00 – 18:30
September 19, 2023, Tuesday	07:00 – 17:00
September 20, 2023, Wednesday	08:00 – 17:00
September 21, 2023, Thursday	08:30 – 12:00

EXHIBITION AREA & ITS OPERATING HOURS

The main corridor of 3rd floor is reserved for exhibition.

September 17, 2023, Sunday	10:00 – 17:00 (Workshop day)
September 18, 2023, Monday	09:00 – 18:30
September 19, 2023, Tuesday	08:30 – 17:30
September 20, 2023, Wednesday	08:15 – 17:45
September 21, 2023, Thursday	08:30 – 12:00

SPEAKERS' READY ROOM & ITS OPERATING HOURS

All presenters must check into the Speakers' Ready Room at least 3 hours prior to their session time to upload their presentation. The Speakers' Ready Room is located at 302D on 3rd floor.

September 17, 2023, Sunday	12:00 – 17:00
September 18, 2023, Monday	08:00 – 18:30
September 19, 2023, Tuesday	07:00 – 17:30
September 20, 2023, Wednesday	07:00 – 17:45
September 21, 2023, Thursday	08:00 – 12:00

POSTER VIEWING AND PRESENTATION TIMES

Free posters and discussion posters will be displayed as paper poster. The poster boards are located in Room 305 on 3rd Floor. Virtual posters are reachable through e-poster stations in Room 305 and also through e-poster platform. All paper posters are also available in e-poster format.

GENERAL INFORMATION

Schedule for Free Posters

September 18, Monday

08:30 – 09:00	Poster Setup
11:00 – 11:30	Poster Viewing (Coffee Break)
16:00 – 17:00	Poster Viewing (Coffee Break)
17:00 – 17:30	Poster Take Down

September 19, Tuesday

08:00 – 08:30	Poster Setup
10:00 – 10:30	Poster Viewing (Coffee Break)
15:00 – 16:00	Poster Viewing (Coffee Break)
16:00 – 16:30	Poster Take Down

September 20, Wednesday

07:45 – 08:15	Poster Setup
10:15 – 10:45	Poster Viewing (Coffee Break)
15:15 – 16:15	Poster Viewing (Coffee Break)
16:15 – 16:45	Poster Take Down

Schedule for Poster Discussion Posters

September 18, Monday

08:30 – 09:00	Poster Setup
13:00 – 14:30	Poster Discussion 1-2-3

September 19, Tuesday

12:00 – 13:30	Poster Discussion 4-5-6
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September 20, Wednesday

12:15 – 13:45	Poster Discussion 7-8-9
16:15 – 16:45	Poster Take Down

NAME BADGES

All participants and exhibitors are requested to wear their name badges throughout the Conference to be admitted to the lecture halls and scheduled activities.

NOTICE OF FILMING & PHOTOGRAPHY

By attending ISEE 2023 Conference in person; you enter an area where photography, audio, and video recording will occur. By entering the event premises, you consent to such recording media and its release & publication on ISEE 2023 virtual Conference platform, ISEE social media channels, ISEE society and Conference websites.

The attendees agree to waive their rights to any claims for payment or royalties in connection with the possible use of their photographs & recordings. The attendees agree that they've been fully informed.

MOBILE PHONES

We ask that you have your mobile devices on silent or switched off in the scientific sessions

WIFI

Free WIFI is available to conference participants in public areas, session halls, poster, exhibition & catering areas

USERNAME: ISEE 2023

PASSWORD: 2023Kaohsiung

GENERAL INFORMATION

MOBILE APP

There will be an official ISEE 2023 app that will allow participants:

- Navigate the Conference program
- Customize your own schedule
- Post to social media accounts
- Follow meeting news and alerts
- Connect with other attendees

You may download the app from IOS/App Store or Android/Google Play through the below QR codes:



Download from
IOS/App Store

Download from
Android/Google Play

The event code for the mobile application **isee2023**. To login to the mobile app, please use the credentials that have been sent to you via e-mail before the Conference.

ABSTRACTS

Abstracts will be accessible and searchable to all delegates via Abstract e-book on ISEE 2023 Conference Website

PARTICIPANTS BADGE, CERTIFICATE OF ATTENDANCE

All Conference activities (including scientific sessions, meal functions, exhibit hall, poster area) are exclusively reserved for registered attendees. Non-registered guests are not allowed in any of the Conference areas. Registered participants are kindly requested to wear their name badge during all meeting sessions and events.

The certificate of attendance will be sent to you electronically to your email address after the meeting.

SOCIAL GUEST ATTENDANCE POLICY

Social guests may enter for the Welcome Reception and Conference Dinner. They may not enter the scientific session or posters & exhibition area. Badges provided at the registration desk are required for entrance into all functions and will be strictly enforced.

Children are welcome in all areas under the supervision of a legal guardian.

CHILD CARE CENTER

There will be a Childcare Center within the Conference Venue for the children who is between age of 2 & 12. The center will serve to the children who registered with their parents and speaking local language & English. The center is located on the second floor and will be open during session hours of the conference between September 18-21.

LIABILITY AND INSURANCE

The Annual Conference Organizing Secretariat cannot accept liability for personal accidents or loss of or damage to the private property of participants. Upon registration, participants agree that neither the Local Organizing Committee nor the Annual Conference Organizing Secretariat assumes any liability. Participants are advised to take out their own personal travel and health insurance for their trip.

ISEE 2023 CONFERENCE ORGANIZING SECRETARIAT



PRESENTER GUIDELINES

ORAL PRESENTATIONS

You are kindly requested to upload your presentation at least 3 hours before the start of your session in the Speaker Ready Room. If your presentation is early in the morning, you are strongly encouraged to load your presentation the day before to avoid the morning rush.

The presentation document must be prepared in 4:3 format. Please bring your presentation with a USB to upload to Speaker Ready Room before the start of your session (not individual talk).

Due to the networking system, internet connection will not be available on uploading computers. It will not be possible to download your presentation in the Speaker Ready Room.

To minimize technical problems and delays during the actual presentation, we require you to load your presentations at the Speaker Ready Room.

If you prefer not to load your presentation in the Speaker Ready Room and wish to use your own computer, please **bring your connection cable/adaptor** with you, and **do notify Speaker Ready Room a day before your presentation**.

The Speaker Ready Room will be marked clearly with a signage at the meeting venue. Please refer to the Scientific Program for the date and time of your presentation.

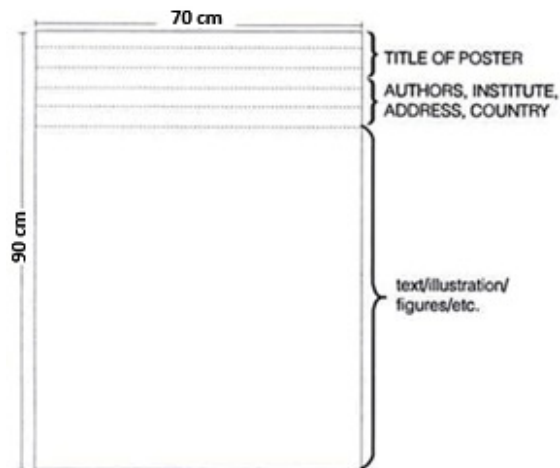
POSTER PRESENTATIONS

Your poster should be displayed on the poster board with the poster number you have received via email.

- **Free posters** will stay up for **1-day**, moderated posters will stay up for **3 days**.
- Please see daily poster setup and take down times in on below:

Date	Setup Time	Take Down Time
Sep. 18, Monday	08:30 – 09:00	17:00 – 17:30
Sep. 19, Tuesday	08:00 – 08:30	16:00 – 16:30
Sep. 20, Wednesday	07:45 – 08:15	16:15 – 16:45

- The dimensions of the poster should not exceed 70 cm wide x 90 cm high (27.5 inches x 35.4 inches). Allocate the top of the poster for the title and authors.
- The text, illustrations, etc. should be bold enough to be read from two meters (six feet).
- Tacks and technical equipment will be available for the mounting of posters.



Schedule for Free Posters

September 18, Monday

08:30 – 09:00	Poster Setup
11:00 – 11:30	Poster Viewing (Coffee Break)
16:00 – 17:00	Poster Viewing (Coffee Break)
17:00 – 17:30	Poster Take Down

September 19, Tuesday

08:00 – 08:30	Poster Setup
10:00 – 10:30	Poster Viewing (Coffee Break)
15:00 – 16:00	Poster Viewing (Coffee Break)
16:00 – 16:30	Poster Take Down

September 20, Wednesday

07:45 – 08:15	Poster Setup
10:15 – 10:45	Poster Viewing (Coffee Break)
15:15 – 16:15	Poster Viewing (Coffee Break)
16:15 – 16:45	Poster Take Down

Schedule for Poster Discussion Posters

September 18, Monday

08:30 – 09:00	Poster Setup
13:00 – 14:30	Poster Discussion 1-2-3

September 19, Tuesday

12:00 – 13:30	Poster Discussion 4-5-6
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September 20, Wednesday

12:15 – 13:45	Poster Discussion 7-8-9
16:15 – 16:45	Poster Take Down

PRE-CONFERENCE WORKSHOPS

SUNDAY, 17 SEPTEMBER 2023

HALL 302 B

10.00-17.00 Workshop 2: Bayesian spatiotemporal modelling for environmental data with NIMBLE
Presenters : Garyfallos Konstantinoudis (UK), Robbie M. Parks (USA)
Duration : 6 hours (full day)
Attendance limit : Up to 50 delegates

In environmental epidemiology, spatial and spatiotemporal methods are increasingly used with high-resolution environmental and health data, which allows detailed insights into associations between exposures and outcomes. In this context, Bayesian methods provide a natural setting to incorporate uncertainty and prior knowledge, borrow information between neighbouring units, and create hierarchical structures. However, appropriate usage of these methods requires careful consideration and knowledge of building technical models, which can be intimidating to the uninitiated user. During this full-day course, our aim is to introduce the ideas of Bayesian inference and modelling for spatiotemporal environmental data. The workshop is designed to be as approachable and friendly as possible while still providing technical and practical know-how. The objectives of the workshop are:

- An Introduction to Bayesian inference
- An Introduction to hierarchical model structures
- An Introduction to spatiotemporal priors
- Applications in real world environmental data and health outcomes

We will focus on three illustrative case studies. In the first case study, we will evaluate the effect of long-term air-pollution exposure on COVID-19 mortality in England and examine the crucial role of spatial autocorrelation. In the second case study, we will estimate the non-linear effect of temperature in all-cause mortality in Italy and examine how this effect has changed over time and varies in space using spatiotemporal Gaussian processes. In the third case study, we will show how spatiotemporal models can be used to evaluate excess deaths due to events such as heatwaves in Switzerland and ways to propagate the different sources of uncertainty. All analysis will be performed in R with the NIMBLE software and data and code will be made available for future studies. By the end of this workshop, attendants shall develop an understanding of Bayesian spatiotemporal models and be able to write their first spatiotemporal model in NIMBLE.

HALL 303 A

10.00-13.00 Workshop 3: Environmental Epidemiology, Genomics, Microbiomics, and AI: Advancements and Opportunities for Disease Prevention using Medical Big Data
Presenters : Yu-Ting Lin (Taiwan), Hsiu-Yin Chiang (Taiwan), Hung-Lin Chen (Taiwan), Chieh-Hua Lin (Taiwan), Wen-Chieh Hsieh (Taiwan)
Duration : 3 hours (half day)
Attendance limit : Up to 35 delegates

Environmental epidemiology, genomics, microbiomics, medicine, and artificial intelligence are rapidly advancing fields that have the potential to significantly impact human health. The availability of high-quality healthcare big data presents a unique opportunity to harness the power of these fields to enhance our understanding of the complex interactions between the environment and human health. This pre-conference workshop will explore the latest advances in the application of high-quality healthcare big data to environmental epidemiology, genomics, microbiomics, and artificial intelligence. We will discuss how these fields can improve our understanding of the environmental determinants of health and identify new pathways for disease prevention and treatment. Our workshop will begin with an examination of the current state of environmental epidemiology and the role of healthcare big data in advancing this field. We will then delve into the latest

PRE-CONFERENCE WORKSHOPS

developments in genomics and microbiomics, including their potential applications to environmental health research. Finally, we will explore the use of artificial intelligence in healthcare big data analysis and the potential for this technology to revolutionize our understanding of the impact on health. In summary, this workshop will provide a comprehensive overview of the latest advances in the application of healthcare big data to environmental epidemiology, genomics, microbiomics, and artificial intelligence. Attendees will gain a deeper understanding of the potential of these fields to improve human health, as well as practical knowledge of the tools and techniques involved in their application.

14.00-17.00	WORKSHOP 4: Defining fundamental capacity and capability needs for Environmental Public Health Services: East meets West experiences
Presenters	: Giovanni Leonardi (UK), Sotiris Vardoulakis (Australia), Ke-Ting Pan (Taiwan)
Organizers	: International Network for Public Health and Environmental Tracking Scientific Committee (INPHET): https://inphet.org
Duration	: 3 hours (half day)
Attendance limit	: Up to 50 delegates

There is a growing recognition amongst health and public health professionals that the current ecological and climate crises pose a threat to human health and wellbeing. Populations worldwide are increasingly facing the challenges of today's interconnected environmental, social, and health transitions (e.g., climate disasters). These challenges reinforce the need for inter-disciplinary and inter-sectoral collaborations to minimize, mitigate, and prevent the population health impacts, and the likely impacts on social and health inequities at local, regional, and global levels.

Reducing the burden of diseases globally requires a better understanding of how these diseases are impacted by our environment and appropriate tools to measure the impact of preventive public health and environmental strategies, considering environmental and population change. Environmental Public Health Tracking (EPHT) is a unique resource that provides integrated health and environmental data and tools for researchers, public health practitioners, and policy makers to address this challenge.

Having the capacity to monitor the environmental and social transitions and their impacts on population health, especially underrepresented populations, and the ability to provide evidence for policy and decision-making, form the foundation of an EPHT system. Such capacities are often determined by the existing public health infrastructure, availability of inter-sectoral collaborations, resources, and a trained workforce that has the appropriate scientific knowledge and technical skills to respond effectively, while potentially addressing multiple concurrent public health challenges. The International Health Regulations (IHR, 2005) require that each country is prepared and able to detect, respond and undertake surveillance for public health risks. Gaps in relevant capacity can be identified via Joint External Evaluation. Field Epidemiology Training Programmes (FETP) are established in many countries and provide capacity to respond to infectious disease outbreaks and establish appropriate surveillance. Field epidemiology skills are also required to assess, respond to, and mitigate the health impact of environmental and chemical hazards. Surveillance-related tasks and case studies addressed to professional needs of FETP fellows and residents and provided a common framework for building public health capacity on environmental exposures within and across countries.

This pre-conference workshop will bring together speakers representing public health practitioners, national level agencies in environment and health, field epidemiologists, and academics with experiences in capacity and capability building in EPHT. This workshop aims to provide a platform for sharing knowledge and strengthening expertise that will address the driving policy needs. This will include discussion on required competencies for environmental public health services and key elements needed to establish a sustainable EPHT surveillance infrastructure.

DAILY PROGRAM

DAY 1 SUNDAY, 17 SEPTEMBER 2023

START END HALL 302 B

10:00 17:00 Workshop 2: Bayesian spatiotemporal modelling for environmental data with NIMBLE
Garyfallos Konstantinoudis (UK), Robbie M. Parks (USA)

START END HALL 303 A

10:00 13:00 Workshop 3: Environmental Epidemiology, Genomics, Microbiomics, and AI: Advancements and Opportunities for Disease Prevention using Medical Big Data
Presenters: Yu-Ting Lin (China), Hsiu-Yin Chiang (China), Hung-Lin Chen (China), Chieh-Hua Lin (China), Wen-Chieh Hsieh (China)

14:00 17:00 WORKSHOP 4: Defining fundamental capacity and capability needs for Environmental Public Health Services: East meets West experiences
Presenters: Giovanni Leonardi (UK), Sotiris Vardoulakis (Australia), Ke-Ting Pan (Taiwan)

17:30 18:30 NEW MEMBERS NETWORKING EVENT (Welcome Reception Venue)

18:30 19:30 ISEE WELCOME RECEPTION

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 301 A
09:00	09:30	OPENING CEREMONY
09:30	10:15	KEYNOTE LECTURE 1 Chair: Andrea Baccarelli, USA Epidemiology to Inform Public Policy Decisions Chien-Jen Chen, Taiwan
10:15	11:00	KEYNOTE LECTURE 2 Chair: Beate Ritz, USA Addressing Multi-Risks: Innovative Approaches Are Probably Required Yun-Chul Hong, Korea
11:00	11:30	COFFEE BREAK & POSTER VIEWING
11:30	13:00	SYMPOSIUM 01 Housing for health in a rapidly changing climate Chairs: Kate Mason (Australia), Rebecca Bentley (Australia) The impact of extreme heat and cold on fuel poverty - Ang Li, Australia The health impact of global climate change - devising a heat action plan for Hong Kong - Eric Lai, China Mental and cardiovascular health impacts of housing insecurity in the UK: who is most at risk? - Kate Mason, Australia The role of citizen science in promoting healthy housing: A systematic literature review - Adelle Mansour, Australia Adapting housing systems to climate change: the case for housing as critical infrastructure - Rebecca Bentley, Australia
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	SYMPOSIUM 5 Statistical approaches to evaluate health effects of chemical mixtures: how do novel methods compare? Chairs: Lidia Minguez-Alarcon (USA), Audrey J Gaskins (USA) Applications of Bayesian Multiple Index Models and Bayesian Varying Coefficient Machine Regression for pediatric environmental health studies - Gyeyoon Yim, USA Applying Bayesian inference procedure for lagged kernel machine regression (MFVB-LKMR) in the HOME Study. - Joseph M. Braun, USA BKMR with hierarchical variable selection to assess couples' joint chemical mixtures on birth outcomes. - Yu Zhang, USA Weighted Quantile Sum (WQS) Regression and Machine learning assisted discovery of interactions between pesticides, phthalates, phenols, and trace elements in child neurodevelopment - Vishal Midya, USA
16:00	17:00	COFFEE BREAK & POSTER VIEWING

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START END HALL 301 A

17:00 18:30 SYMPOSIUM 9
Kawasaki disease and Environmental Stressors

Chairs: **Eunhee Ha (Korea), Shoji Nakayama (Japan)**

Kawasaki disease and Environmental Stressors (KES) Research Network - **Lina Madaniyazi, Japan**

Prenatal and early postnatal exposure to air pollutants and the incidence of Kawasaki Diseases in Taiwan - **Chau-Ren Jung, Taiwan**

Incidence and Seasonality of Kawasaki Disease in Children in the Philippines, and its Association with Ambient Air Temperature - **Aden Kay Celis-Seposo, Japan**

Environmental epidemiology on Kawasaki Disease in South Korea - **Eun-Hee Ha, Korea**

18:30 19:30 GENERAL MEMBERSHIP MEETING

START END HALL 301 B

11:30 13:00 SYMPOSIUM 02
Built Environment and Urban Health in East-West Contexts

Chairs: **Erjia Ge (Canada), Kai Zhang (USA)**

Detection of environmental risk factors of ALS: Airborne Pure Lead and Lead Compounds - **Emily Luy Tan, USA**

Historical redlining and park use during the COVID-19 pandemic evidence from big mobility data - **Kai Zhang, U.S.**

Challenges of investigating health effects of artificial light at night based on cohort study design. - **Xiangqian Lao, China**

Joint effects of fine particulate matter and noise exposure on the incident of metabolic syndromes: a cohort study - **Ta-Chie Chan, Taiwan**

The association between built environment and osteoporosis in Hong Kong. - **Hung-Chak (Derrick) Ho, China**

Exploring impacts of greenness accessibility on childhood asthma development: An Ontario birth cohort study - **Erjia Ge, Canada**

13:00 14:30 LUNCH BREAK / CHAPTER & COMMITTEE FAIR

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 301 B
14:30	16:00	<p>SYMPOSIUM 6 Environmental exposures and pregnancy outcomes in Korea: results from Korean Children's ENVIRONMENTAL health Study(Ko-CHENS)</p> <p>Chairs: Sanghwan Song (Korea), Mina Ha (Korea)</p> <p>Profiles and health behaviors of environmental chemical mixture exposure among pregnant women - Jueun Lee, Korea Associations of night shift status during pregnancy with small for gestational age and preterm births - Woo Jin Kim, Korea Pregnant women lifestyle and exposure to endocrine disrupting chemicals - Surabhi Shah, Korea Improving prediction of low birth weight using machine-learning approach: From data on the prospective mother-infant paired cohort - Eunji Kim, Korea The effects of ambient and indoor air pollutants on birth outcomes: The Korean Children's ENVIRONMENTAL health Study (Ko-CHENS) - Yun-Chul Hong, Korea Extended Nationwide Birth Cohort from Ko-CHENS: Big-CHENS - Eunhee Ha, Korea</p>
16:00	17:00	COFFEE BREAK & POSTER VIEWING
17:00	18:30	<p>SYMPOSIUM 10 Joint Environmental Exposures and Psychosocial Stressors: Risk to Cognition and Mental Health</p> <p>Chairs: Aisha Dickerson (USA), Aaron Specht (USA)</p> <p>Environmental Injustice as a Risk Factor of Neurodevelopmental Disorders - Aisha Dickerson, USA Environmental metal exposures, biomarkers, and psychosocial stress. - Aaron Specht, USA Profiles of prenatal chemical and social exposures are associated with profiles of adolescent attention, thought, and substance use problems. - Jaime Benavides, USA Neighborhood social cohesion, disorder, and disadvantage: joint effects and effect modification of air pollution mixtures on dementia risk - Cavin Ward-Caviness, USA</p>

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 304 A
11:30	13:00	<p>SYMPOSIUM 03 Environmental justice: reducing the gap between environmental movements and research.</p> <p>Chairs: Maria Elisa Quinteros Caceres (Chile), Nelson Gouveia (Brazil)</p> <p>Why does environmental justice matter? - Fernando Diaz-Barriga, Mexico Environmental activism in LAC: an inventory - Maria Elisa Quinteros Caceres, Chile Academic research and anti-extractive struggles: Comunalisis - Ecuador - Michelle Baez, Ecuador Climate justice and feminism: Women on Farms Project - South Africa - Colette Solomon, South Africa Food, Agriculture and Green Energy Education: Homemakers United Foundation - Taiwan</p>
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	<p>SYMPOSIUM 7 Can climate change reduce the health benefits of physical activity? - How climate change mitigation measures (such as cleaner, greener, quieter cities) may bring physical activity co-benefits for health and well-being</p> <p>Chairs: Sarah Koch (Spain), Michael Koehle (Canada)</p> <p>Can air pollution exposure reduce the health benefits of physical activity? - Michael Koehle, Canada Can ambient heat reduce the health benefits of physical activity? - Sarah Koch, Spain Can greenspace protect the health benefits of physical activity? - Thomas Cole-Hunter, Denmark Health inequities related to physical activity and climate change benefits from green and blue spaces - Margarita Triguero-Mas, Spain Actions and policy changes needed to tackle physical activity and climate change related inequities on a global level - Zorana Jovanovic Andersen, Denmark</p>
16:00	17:00	COFFEE BREAK & POSTER VIEWING
17:00	18:30	<p>SYMPOSIUM 11 Assessing Air Pollutants and Health Impacts with Sensors</p> <p>Chairs: Shih-Chun Candice Lung (Taiwan), Richard Peltier (USA)</p> <p>Using low cost approaches in community-based exposure assessment - Jun Wu, USA Fine particulate matter and risks of cardiorespiratory diseases: a panel study in Ho Chi Minh City using low-cost sensors - Cong Thanh Tran, Vietnam Health Impacts of PM2.5 Exposure in Indonesia and Taiwan with Microsensors - Ming-Chien Mark Tsou, Taiwan Mobile monitoring of UFP use of lower cost sensors to improve health effects models - Elena Austin, USA Historical precision of low cost sensor data: implications for prospective and retrospective studies - Richard Peltier, USA Applying microsensors to assess exposure and health impacts of PM2.5 in Kuala Lumpur, Malaysia - Mazrura SAHANI, Malaysia</p>

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 304 B
11:30	13:00	<p>SYMPOSIUM SESSION 04 Arsenic Epidemiology from East to West and Past to Present</p> <p>Chairs: Margaret Karaga (USA), Yu Chen (USA)</p> <p>Arsenic Epidemiological Studies in Taiwan - Hung Yi Chiou, Taiwan Early-life exposure to arsenic and the effects on children's metabolic and immune health - Findings from long-term follow-up birth cohorts - Shu Li Julie Wang, Taiwan Health effects, genomics and prevention of arsenic exposure in South Asians - Habibul Ahsan, USA Arsenic exposure and cardiovascular disease from East to West - Yu Chen, USA Impacts of arsenic exposure through the life course - Margaret Karagas, USA</p>
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	<p>SYMPOSIUM 8 QALYs, lifetime medical costs, and productivity potentially saved by prevention: Estimation methods & examples</p> <p>Chair: Jung-Der Wang, Taiwan Co-Chair: Chun-Yuh Yang, Taiwan</p> <p>Health technology assessment for prevention based on real world data: A bird's eye view - Jung-Der Wang, Taiwan The effects of smoking on years of life lost and lifetime medical costs in Taiwan - Jing-Shiang Hwang, Taiwan Savings of QALYs, medical costs, and productivity loss for lung cancer by reduction of PM2.5 in Taiwan - Szuchun Yang, Taiwan Human capital loss associated with ill-health: evidence from patients with end-stage kidney disease in Taiwan - Fuhmei Wang, Taiwan Colorectal cancer screening program saved both life expectancy (LE) and employment duration (LED) - Wei-Ying Chen, Taiwan</p>
16:00	17:00	COFFEE BREAK & POSTER VIEWING
17:00	18:30	<p>SYMPOSIUM 12 Health and mental health are associated with threats and humiliation at the workplace</p> <p>Chairs: Jutta Lindert (Germany), Atanu Sarkar (Canada)</p> <p>Struggles and Hope from within the Healthcare System - Thaneswary Rajanderan, Canada Workplace conditions of health care personnel during the COVID - 19 pandemic - Felix Sisenop, Germany Toxic cocktail of media and politics: an emerging challenge in public health - Kaitlyn Garrison, Canada Individual and workplace characteristics of environmental scientists and threats and humiliation of environmental epidemiologists - Jutta Lindert, Germany</p>

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 302 A
11:30	13:00	<p>ORAL PRESENTATIONS 1 Planetary Health (1)</p> <p>Chairs: Sierra Clark (UK), TBA</p> <p>OP-001 - The potential of biodiversity interventions to modulate immune response - experiences from the first generation of randomized trials - Aki Sinkkonen, Finland OP-002 - The WEF HEALTH NEXUS: Assessment of Strategies & Co-Benefits in the Eastern Mediterranean Region - Ihssane El Marouani, Morocco OP-003 - Biodiversity interventions for well-being of humans and planet - Marja I. Roslund, Finland OP-004 - Environmental changes and general health condition - Nabhira Aftabi Binte Islam, Bangladesh OP-005 - Clean Energy for Healthy Environments and Lives: Rural and Remote Community Leadership in Clean Energy Solutions for Australia and India - Sotiris Vardoulakis, Australia OP-006 - Thyroid nodules, Fine Needle Aspiration Cytology, and Thyroid cancer in Fukushima - Yutaka Hamaoka, Japan</p>
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	<p>ORAL PRESENTATIONS 7 Temperature, Air Pollution, and Health (1)</p> <p>Chairs: Ho Kim (Korea), Raanan Raz (Israel)</p> <p>OP-035 - Interdiary Temperature Variation and Children Asthma Cases in Lima, Peru, 2010-2016 - Diego Fano Sizgorich, Peru OP-036 - Asthma hospitalisations and heat exposure in England: A case-crossover study during 2002-2019 - Garyfallos Konstantinoudis, UK OP-037 - Health risks of temperature variability on hospital admissions in Cape Town, 2011-2016 - Janine Wichmann, South Africa OP-038 - Ambient Temperature and Heat Index Exposures in Relation to Epigenetic Aging among Participants in Taiwan Biobank - Kuan Chih Chiu, Taiwan OP-039 - Air pollution, temperature, and social stressors in pediatric seizures and epilepsy: A Structural Equation Modeling approach - Rachit Sharma, USA OP-040 - Short-term association between ambient temperature and renal disease mortality in Japan from 1979 to 2019: a time-stratified case-crossover analysis - Zin Wai Htay, Japan</p>
16:00	17:00	COFFEE BREAK & POSTER VIEWING

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START END HALL 302 A

17:00 18:30 PECHA KUCHA SESSION 1
Meteorological Impacts and Health

Chairs: **Rebecca Bentley (Australia), TBA**

PK-001 - Association between Temperature and Mental Health Work Loss: Evidence from Santiago, Chile - **Alejandro Bañados, Chile**

PK-002 - The influence of the weather on adolescent airway inflammation - **Ashtyn Tracey Areal, Germany**

PK-003 - The association between living near wildfire before and during pregnancy and congenital heart disease risk in offspring - **Bo Park, USA**

PK-004 - Future climate change impacts on child health: An assessment of preterm-births, diarrheal cases and heat-related mortality for 20 African cities - **James Milner, UK**

PK-005 - Heat-Wave and Cold-Spell Vulnerability Analysis by Physical and Cognitive Functions: A Prospective Longitudinal Cohort Study in China - **John S Ji, China**

PK-006 - Gender and seasonal different effects of temperature in Hand, foot, and mouth disease: A distributed lag non-linear model - **Jongmin Oh, Korea**

PK-007 - Disparities in healthcare resources associated with heatwave-related mortality in 7 major cities of South Korea - **Jungsil Lee, Korea**

PK-008 - Large Scale Climate teleconnections and Indicators and Impact on human health and well being - **Kenza Khomsi, Morocco**

PK-009 - Ambient Temperature and Maternal Hypertensive Disorders in Taiwan - **Kuan Hui Chi, Taiwan**

PK-010 - Exploring the Association between Heat Alerts, Mortality Risk, and Greenspace in Santiago, Chile: A Case Time Series Design - **Luis Abdón Cifuentes, Chile**

PK-011 - Association between high ambient temperatures and road crashes in an Australian city with temperate climate: A time-series study, 2012-2021 - **Michael Tong, Australia**

PK-012 - Attributing the health impacts of the 2009 Victorian, Australia heatwave to climate change - **Nicholas John Osborne, Australia**

PK-013 - Temporal change and spatial heterogeneity of the association between ambient temperature and transport accidents mortality in Japan - **Pan Rui, Japan**

PK-014 - Temperature and violence-related Medicaid hospital visits in the USA - **Robbie M Parks, USA**

PK-015 - Association between Ambient Temperature and Suicide attempt, Suicide death in Seoul from 2014 to 2019 - **Seunghyeon Kim, Korea**

PK-016 - Connecting the Dots: A Framework for Understanding the Complex Interactions between Climate and Health - **Siti Aisah Binti Mokhtar, Malaysia**

PK-017 - Association Between Meteorological Factors and Emergency Ambulance Dispatch for the Epilepsy Patients: A Case-Crossover Study, Japan - **Waqas Ali, Japan**

PK-018 - Identifying the critical windows and joint effects of temperature and PM_{2.5} exposure on small for gestational age - **Xin Chen, China**

PK-019 - Effect modification of the association between high temperature and Out-of-hospital cardiac arrest (OHCA) risk by PM_{2.5} in Japan - **Zhesi Yang, Japan**

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 302 B
11:30	13:00	ORAL PRESENTATIONS 2 Air Pollution Measurement and Modelling (1) Chairs: Ching-Huang Lai (Taiwan), Eliani Ezani (Malaysia) OP-007 - Land use regression model developments for air pollutants and particle-bound heavy metals in Taichung City, Taiwan - Chia Pin Chio, Taiwan OP-008 - Emission characteristics of condensable and filtration PM2.5 from coal-power and steel plants - Chien Cheng Jung, Taiwan OP-009 - Atmospheric fine particulate matter (PM2.5) in Bloemfontein, South Africa - Janine Wichmann, South Africa OP-010 - Biases in estimated ambient PM2.5 exposure and associated health burden in India due to satellite aerosol optical depth sampling gaps - Sagnik Dey, India OP-011 - Global estimates of daily ambient fine particulate matter concentrations and unequal spatiotemporal distribution of population exposure - Wenhua Yu, Australia
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	ORAL PRESENTATIONS 8 Air Pollution and Birth Outcomes (1) Chairs: Sanghyuk Bae (Korea), Shawn Lee (UK) OP-041 - Maternal Exposure to Ambient Air Pollution Mixture and Premature Rupture of Membranes: Evidence from A Large Cohort in Southern California - Anqi Jiao, USA OP-042 - Prenatal exposure to per- and polyfluoroalkyl substances and adverse pregnancy outcomes - Ram Chandra Siwakoti, USA OP-043 - The association between prenatal and postnatal ambient temperature and rapid infant weight gain: a population-based cohort study - Raanan Raz, Israel OP-044 - Prenatal exposure to PM2.5 constituents and weight growth trajectory from in utero to 3 years: a birth cohort study - Shuang Zhou, China OP-045 - Association of stillbirths and preterm birth with wildfire-specific PM2.5 in Sydney, Australia between 2006 and 2020 - Tanya Singh, Australia OP-046 - Prenatal Exposure to Toxic Air Contaminants and the Risk for Cerebral Palsy - Zeyan Liew, USA
16:00	17:00	COFFEE BREAK & POSTER VIEWING

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START END HALL 302 B

17:00 18:30 PECHA KUCHA SESSION 2
Air Pollution and Health

Chairs: **Jaime Harty (USA), Homegnon Antonin Ferreol Bah (Brazil)**

PK-020 - Aircraft noise and cardiovascular morbidity and mortality near Heathrow Airport: a case-crossover study - **Anna Hansell, UK**

PK-021 - Impact of combined exposure to multiple air pollutants on breast cancer risk using bayesian profil regression - **Camille Giampiccolo, France**

PK-022 - Association between air pollution and traffic injuries in Kaohsiung, a motorcycle-dominant city in Taiwan - **Cheng Kai Hsu, USA**

PK-023 - Source and infiltration of carcinogenic metals in indoor air in an urban area - **Chien Cheng Jung, Taiwan**

PK-024 - Disparity in Ambient PM2.5 Air Pollution Exposure and Attributable Health Risk among Indian Sub-population - **Debajit Sarkar, India**

PK-025 - Effects of PM2.5 on acute respiratory infection among under 5y children in India moderated by micronutrient intake - **Franciosalgeo George, India**

PK-026 - Air pollution and epilepsy diagnosis at a first seizure clinic in The Netherlands: A case-control study - **George S Downward, Netherlands**

PK-027 - Metabolomic signatures following long-term exposure to PM10 and NO2 in the CODA cohort - **Jeeyoung Kim, Korea**

PK-028 - Long term PM2.5 exposure and memory functions in northern Sweden - **John Andersson, Sweden**

PK-029 - Air pollution exposures and brain cortical thinning in adults: A longitudinal neuroimaging study - **Juyeon Ko, Korea**

PK-030 - Association between Ambient BTEX Mixture and Neurological Hospitalizations: A Multicity Time-Series Study in Taiwan - **Kin Fai Ho, Hong Kong**

PK-031 - Longitudinal associations between ambient PM2.5 exposure and lipid levels in two Indian cities - **Kritika Anand, India**

PK-032 - Economic evaluation of the costs and benefits of air pollution control: a systematic review - **Siyuan Wang, Australia**

PK-033 - Long-term exposure to air pollution and incidence of Parkinson's disease: a Danish nationwide administrative cohort study - **Thomas Cole Hunter, Denmark**

PK-034 - Assessing access to and performance of community water fluoridation in New Zealand: exposure assessment for a national retrospective cohort study - **Tim James Chambers, New Zealand**

PK-035 - Long-term air pollution exposure and tumors of the central nervous system - a pooled analysis of six European cohorts - **Ulla Arthur Hvidtfeldt, Denmark**

PK-036 - Free radicals by-products of air pollution in Australian households - **Wen Ray Lee, Australia**

PK-037 - Investigation of personal air pollution and respiratory diseases: a systematic review - **Yutong Samuel Cai, UK**

PK-038 - Ambient air pollution and serum cardiometabolic proteome in young adults with obesity history - **Zhanghua Chen, USA**

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START END HALL 303 A

11:30 13:00 ORAL PRESENTATIONS 3
One Health (1)

Chairs: **TBA, Jurriaan Hoekstra (Netherlands)**

OP-012 - A global One Health tool to prioritize climate-sensitive zoonotic diseases - **Adam C. Castonguay, Australia**

OP-013 - Surveillance of zoonotic infectious diseases in wildlife, the advance of Taiwanese rabies surveillance based on WOAHP twinning project for rabies - **Ai Ping Hsu, Taiwan**

OP-014 - A longitudinal analysis of residential greenspace and anxiety symptoms among a cohort Australian women living in cities - **Luke D Knibbs, Australia**

OP-015 - Geospatial co-distribution of human and canine urothelial cell carcinoma and associated environmental risk factors in Queensland, Australia - **Luke D Knibbs, Australia**

OP-016 - Multidrug-Resistant and Extended-Spectrum -Lactamase Escherichia coli in Dairy Farms: One Health Perspective - **Yuvanewary Veloo, Malaysia**

OP-017 - One Health approach to fight Rabies in Casablanca Region-Morocco - **Zakia Abadane, Morocco**

13:00 14:30 LUNCH BREAK / CHAPTER & COMMITTEE FAIR

14:30 16:00 ORAL PRESENTATIONS 9
Machine Learning and Predictive Models (1)

Chairs: **Wen-chi Pan (Taiwan), Anass Houdou (Morocco)**

OP-047 - Forecasting Particulate Matter (PM10) Using Machine Learning Algorithms in Agadir - **Anass Houdou, Morocco**

OP-048 - Identifying moving vehicles in global cities for environmental applications using high-resolution satellite imagery and deep learning - **Annalisa Sheehan, UK**

OP-049 - Machine learning and GIS-based spatial analysis of cardiovascular disease in South Korea - **Eunjin Kang, Korea**

OP-050 - Ozone forecasting based on new powerful hybrid models: CHIMERE-NARX & CHIMERE-NARX-DWT - **Leghrib Radouane, Morocco**

OP-051 - Machine Learning versus Land Use Regression: Fine-scale spatial predictions of on-road air pollution levels in Bengaluru, **India - Srishti Srishti, India**

OP-052 - Estimation of daily PM2.5 in Korea during 2015-2020 with a high spatial resolution random forest model - **Seoyeong Ahn, Korea**

OP-053 - Comparisons of land-use regression with machine learning and microenvironmental exposure models for short-term exposure estimates of PM2.5 - **Yu Cheng Chen, Taiwan**

16:00 17:00 COFFEE BREAK & POSTER VIEWING

17:00 18:30 ORAL PRESENTATIONS 13
Mental Health and Environmental Factors (2)

Chairs: **Marc Weiskopf (USA), Hien Thi Thu Ngo (Viet Nam)**

OP-072 - Increasing temperature levels are associated with less severe depression: results from the DeprAir project - **Elisa Borroni, Italy**

OP-073 - Exposure to mixture of pollutants impacts the severity of major depressive disorder: results from the DeprAir project - **Elisa Borroni, Italy**

OP-074 - Effects of Forest Healing Program on Physical Health, Mental Health, and Health Behavior - **Hae Ryoung Chun, Korea**

OP-075 - Lithium in Drinking Water and Autism Spectrum Disorder - **Zeyan Liew, USA**

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 302 E
11:30	13:00	<p>ORAL PRESENTATIONS 4 Air Pollution and Mortality</p> <p>Chairs: Scott Delaney (USA), Wan-Chen Lee (Taiwan)</p> <p>OP-018 - Estimating the Health Benefits of Achieving the Air Quality Guidelines for PM_{2.5} in Korea - Hyun Joo Bae, Korea OP-019 - Effects of long-term exposure to air pollution on all-cause and cause-specific mortality in South Korea - Jeongmin Moon, Korea OP-020 - Short-term exposure to air pollution and acute kidney injury-related mortality: a global time-series study in 136 cities in 6 countries - Jieun Min, Korea OP-021 - Reducing PM 2.5 seasonal concentration in urban areas could reduce the number of hospital admissions in Cote d'Ivoire - Kouame Kouadio, Cote d'Ivoire OP-022 - Association between ambient air pollution and mortality in Brazil: a nationwide time-series study - Weeberb J Requia, Brazil</p>
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	<p>ORAL PRESENTATIONS 10 Air Pollution and Cardiovascular Health (1)</p> <p>Chairs: Arce Domingo Relloss (USA), Karl Kilbo Edlund (Sweden)</p> <p>OP-054 - Early life exposure to particulate matter and adult-onset hypertension: investigation of association and effect modification in a US nationwide cohort - Jie Chen, USA OP-055 - Association of aircraft noise around four major UK airports with subclinical atherosclerosis and hypertension - Katie Eminson, UK OP-056 - Individual protective measures for air pollution and cardiopulmonary health: A systematic review and meta-analysis - Surabhi Suresh Shah, Korea OP-057 - Impact of exposure to ambient PM_{2.5} on the prevalence of hypertension among Women of Reproductive Age in India - Taruna Singh, India OP-058 - Individual and joint associations of long-term exposure to air pollutants and cardiopulmonary mortality: A 22-year cohort study in Northern China - Wenzhong Huang, Australia OP-059 - Long-term exposure to ambient ozone and C-reactive protein level: a longitudinal cohort study - Xianglin Wei, China</p>
16:00	17:00	COFFEE BREAK & POSTER VIEWING
17:00	18:30	<p>ORAL PRESENTATIONS 14 Child and Adolescent Health and Environmental Exposures (1)</p> <p>Chairs: Thomas Webster (USA), Jennifer Ames (USA)</p> <p>OP-076 - Associations between phosphate flame retardants and steroid/reproductive hormones at pubertal age: the Hokkaido Study - Atsuko Ikeda, Japan OP-077 - Exposure of children to glyphosate in Morocco: Urinary levels and predictors of exposure - Imane Mme Berni, Morocco OP-078 - Influence of PAHs and Genetic Polymorphisms on Urinary PAHs Metabolite and DNA Damage among Malaysian Children in Urban Traffic Area - Juliana Jalaludin, Malaysia OP-079 - Cumulative risk assessment of exposure to a mixture of pesticides among Czech adults and children from the CELSPAC-SPECIMEn cohort - Tomáš Janoš, Czech Republic OP-080 - Organophosphate Flame Retardants Mixture associated with Increased Urinary Oxidative Stress Biomarkers among School Children: The Hokkaido Study - Yi Zeng, Japan OP-081 - Metabolic profiles of traffic noise exposures: a discovery analysis in the NFBC1966 cohort in the LongITools project - Yiyan He, Finland</p>

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 303 E
11:30	13:00	<p>ORAL PRESENTATIONS 5 Heat Exposure and Health (3)</p> <p>Chairs: Robbie Parks, (USA), Wei-Te Wu (Taiwan)</p> <p>OP-023 - Climate Change Adaptation: Exploring the Risk of Acute Myocardial Infarction in Hot Climate Naïve Population Immigrating to Hot Climate Country - Adi Shiloh, Israel OP-024 - Non-optimum temperatures and productivity-adjusted life years lost in Brazil: a nationwide time-series study - Bo Wen, Australia OP-025 - Comparing the effect of different temperature indicators on mortality and hospital admissions in the Asian subtropical city of Hong Kong - Janice Y Ho, Hong Kong OP-026 - Association between heatstroke incidence and wet bulb globe temperature in Japan according to regionality and location of occurrence - Kazutaka Oka, Japan OP-027 - A mixed-methods systematic review: extreme events and gender-based violence - Kim R. Van Daalen, Spain OP-028 - Heat stress and associated mortality risk in varied climate zones of India - Pallavi Joshi Lahari, India</p>
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	<p>ORAL PRESENTATIONS 11 Green Spaces and Health (2)</p> <p>Chairs: Luke Knibbs (Australia), Kelvin Fong (Canada)</p> <p>OP-060 - Is fine particulate matter air pollution or greenness associated with cause-specific mortality in US men diagnosed with prostate cancer? - Charlotte Roscoe, USA OP-061 - Does green space make people move or move away? A relocation analysis of green space and physical activity - Joe Van Buskirk, Australia OP-062 - Nature's remedy: uncovering pathways linking greenspace to behavioural problems in Polish children - Nitika Singh, Poland OP-063 - Place-based directionality of associations between greenness and coronary heart disease - Ray Yeager, USA OP-064 - The association between neighborhood greenness and hospitalization for cardiorespiratory diseases in Brazil - Weeberb J Requia, Brazil OP-065 - Brownfield land and health: a systematic review of the literature - Weiyi Wang, UK</p>
16:00	17:00	COFFEE BREAK & POSTER VIEWING
17:00	18:30	<p>ORAL PRESENTATIONS 15 Temperature, Air Pollution, and Health (2)</p> <p>Chairs: Tamara Schikowski (Germany), Aina Roca Barcelo (UK)</p> <p>OP-082 - Influence of air pollution and climate variability on dengue in Singapore - A time-series analysis - Diyar Mailepessov, Singapore OP-083 - Ambient Temperature and Preeclampsia: A Historical Cohort Study - Iaroslav Youssim, Israel OP-084 - The role of built environment on the health effects of ambient temperature: Systematic review of the literature - Magda Cepeda, Colombia OP-085 - Bayesian-spatial distributed lag non-linear models: A temperature-mortality case study in Barcelona - Marcos Quijal Zamorano, Spain OP-086 - The Impact of Temperature and Relative Humidity on Ventricular Arrhythmias in Patients with Implanted Cardiac Devices in North Carolina, 2010-2021 - Stephanie E Cleland, USA OP-087 - Ambient Temperature and Nervous System Diseases-related Mortality in Japan from 2010 to 2019: A Time-Stratified Case-Crossover Analysis - Szu Yu Lin, Japan</p>

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START	END	HALL 303 D
11:30	13:00	<p>ORAL PRESENTATIONS 6 Environmental Factors and Child Health (1)</p> <p>Chairs: Shoji Nakayama (Japan), Aisha Dickerson (USA)</p> <p>OP-029 - The impact of high ambient temperature on child health outcomes: a systematic review and metaanalysis - Clare Faurie, Australia OP-030 - School building energy efficiency and health: Modelling childhood asthma and hospital admissions in England and Wales - Filiz Karakas, UK OP-031 - Attributable risk of household solid fuel use and second-hand smoke associated with under-5 mortality in 46 low- and lower-middle-income countries - Kaung Suu Lwin, Switzerland OP-032 - The effect of geography, ambient air pollution and seasonality on placental-related adverse outcomes in regions of Mozambique, India, and Pakistan - Liberty Makacha, Zimbabwe OP-033 - Reference Intervals for Clinical Biochemical Tests and Hormones in Cord Blood from Taiwanese Newborn - TMICS Cohort - Ming Tsang Wu, Taiwan OP-034 - Postnatal Metal Exposure and Decreased Kidney Function in Children - a 17 Years Followed Birth Cohort Study - Tsung-Lin Tsai, Taiwan</p>
13:00	14:30	LUNCH BREAK / CHAPTER & COMMITTEE FAIR
14:30	16:00	<p>ORAL PRESENTATIONS 12 Chemical Exposure and Birth Outcomes (1)</p> <p>Chairs: TBA, Maitreyi Mazumdar (USA)</p> <p>OP-066 - The associations of preconception urinary phthalate metabolite concentrations with the serum metabolome and outcomes of infertility treatment - Audrey J Gaskins, USA OP-067 - Polycyclic aromatic hydrocarbons and volatile organic compounds negatively affect thyroid function in pregnant women - Ju Hee Kim, Korea OP-068 - Prenatal exposure to phthalates and fetal growth in the SEPAGES cohort relying on repeated urine collection - Marion Ouidir, France OP-069 - Inferring effects of time-varying prenatal exposures on pregnancy loss from live-birth-identified conceptions: A simulation study - Michael Leung, USA OP-070 - Prenatal polycyclic aromatic hydrocarbon exposure and neurodevelopment among children in Puerto Rico - Savannah M. Sturla, USA OP-071 - Gestational exposure to phthalates, phthalate replacements and their mixture in relation to eicosanoid biomarkers during pregnancy - Seonyoung Park, USA</p>
16:00	17:00	COFFEE BREAK & POSTER VIEWING
17:00	18:30	<p>ORAL PRESENTATIONS 16 Endocrine Disruptors and Reproductive Health (1)</p> <p>Chairs: Audrey Gaskins (USA), Lidia Minguéz-Arcon (USA)</p> <p>OP-088 - Association among endocrine-disrupting chemicals, metabolic syndrome, and non-alcoholic fatty liver disease in adolescents and adults - Bomi Park, Korea OP-089 - Association between urinary parabens and maternal thyroid hormones by different trimesters in pregnant Taiwanese women (TBCS) - Hsi Chen, Taiwan OP-090 - Mixtures of phenol and phthalate exposure biomarkers in relation to semen parameters among men from a fertility clinic - Lidia Minguéz Alarcon, USA OP-091 - Association of the phthalate level and perturbed lipid profiles in a Taiwanese child cohort - Sheng Han Lee, Taiwan OP-092 - Urinary concentrations of phenols/parabens and changes in body size and composition: The Study of Women's Health Across the Nation (SWAN) - Sung Kyun Park, USA OP-093 - Exposure assessment of the relationship between urinary paraben and early renal injury in a middle-aged adult population in Taiwan - Yen Hsuan Huang, Taiwan</p>

DAILY PROGRAM

DAY 2 MONDAY, 18 SEPTEMBER 2023

START END HALL 303 C

11:30 13:00 **VIRTUAL ONLY AMERICAS (1)**

Chairs: **Mina Ha (Korea), Wuyue Yu (USA)**

VO-001 - The impacts of fine particulate matter components and trace elements on rates of dementia hospitalization - **Daniel Mork, USA**

VO-002 - Ingested nitrate and nitrite and end-stage renal disease risk among licensed pesticide applicators and spouses in the Agricultural Health Study - **Dazhe Chen, USA**

VO-003 - The Planetary Child Health and Enterics Observatory (Plan-EO): an Interdisciplinary Research Initiative and Web-Based Dashboard for Mapping Enteric In - **Josh Michael Colston, USA**

VO-004 - Associations of a mixture of whole blood metals with incident uterine leiomyomata - **Ruth J. Geller, USA**

VO-005 - Association of Long-term Exposure to Air Pollution with Late-Life Depression in Older Adults in the US - **Xinye Qiu, USA**

13:00 14:30 LUNCH BREAK / CHAPTER & COMMITTEE FAIR

14:30 16:00 **VIRTUAL ONLY ASIA PACIFIC (1)**

Chairs: **John Ji (China), Rahel Mesfin Ketema (Japan)**

VO-035 - Effects of triclosan and triclocarban exposure on bile acid homeostasis in Chinese school-aged children - **Hexing Wang, China**

VO-036 - Oxidative potential and health risk assessment of ambient fine particulate matter around an opencast coal mining area in India - **Kamlika Gupta, India**

VO-037 - The joint association of air pollution and sleep posture with mild obstructive sleep apnea in patients from Taipei Sleep Center - **Yan Su He, China**

VO-038 - Interaction between greenspace and risk factors for dementia and cognitive decline: a cohort study from UK Biobank - **Yanxi Zeng, China**

VO-039 - Association of Ambient Air Pollutants and Pancreatic Cancer in a Matched Case-Control Study - **Yi Ting Huang, Taiwan**

VO-040 - Prenatal exposure to air pollution and infant growth: A trajectory analysis based on a birth cohort - **Zilong Zhang, China**

16:00 17:00 COFFEE BREAK & POSTER VIEWING

17:00 18:30 **VIRTUAL ONLY EUROPE / AFRICA (1)**

Chairs: **Michelle Turner (Spain), Sara Kress (Germany)**

VO-041 - Residential wood burning in two Swedish cohorts: Public health implications of source-specific particulate ambient air pollution - **Anna Oudin, Sweden**

VO-042 - Long-term exposure to air pollution and mortality due to chronic kidney disease - results from the multicentre ELAPSE-study - **Gudrun Weinmayr, Germany**

VO-043 - Analysis of long-term mortality risks of PM_{2.5} in the UK Biobank cohort - **Jacopo Vanoli, UK**

VO-044 - Associations between prenatal air pollution exposure and placental DNA methylation: a French multi-cohort study - **Lucile Broséus, France**

VO-045 - Critical windows of susceptibility of maternal exposure to fine particulate matter and the risks of stillbirth and spontaneous preterm birth - **Sylvester Dodzi Nyadanu, Australia**

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

START	END	HALL 301 A
07:30	08:30	
08:30	09:15	<p>KEYNOTE LECTURE 3</p> <p>Chair: Tamara Schikowski, Germany</p> <p>Future of Environmental Epidemiology Zorana Jovanovic Andersen, Denmark</p>
09:15	10:00	<p>KEYNOTE LECTURE 4</p> <p>Chair: María Elisa Quinteros Cáceres, Chile</p> <p>Environmental Health in Latin America: Challenges, evidences and actions Nelson Gouveia, Brazil</p>
10:00	10:30	COFFEE BREAK & FREE POSTER VIEWING
10:30	12:00	<p>SYMPOSIUM 13</p> <p>Navigating Climate Challenges from East to West: Quantifying Impacts, Exploring Opportunities, and Building Resilient Systems.</p> <p>Chairs: Myriam Mrad Nakhlé (Lebanon), Kenza Khomsi (Morocco)</p> <p>A Machine Learning Approach for Particulate Dust Forecasting in Morocco - Anass Houdou , Morocco</p> <p>Heatwaves' Impact Curves: a New Approach to Understanding Heatwaves' Impact on Human Mortality, a Case Study in Amman - Jordan - Yazan Alwadi, Jordan</p> <p>The Geohub: Capacity Building in Climate Change health Impacts - Wael K Al-Delaimy, USA</p> <p>Telehealth as a tool to climate resilient systems and equities: case of Lebanon - Hady Naal, Lebanon</p> <p>Piloting WHO tool to assess climate resilience and environmental sustainability of selected healthcare facilities in Jordan, 2021 - Fayez Abdulla, Jordan</p> <p>Ozone forecasting based on new powerful hybrid models: CHIMERE-NARX & CHIMERE-NARX-DWT - Radouane Leghrib, Morocco</p>
12:00	13:30	LUNCH BREAK
13:30	15:00	<p>SYMPOSIUM 17</p> <p>Early Warning Systems for Enhancing Community Resilience Against Climate Change Driven Diarrheal Disease Burden in the Asia Pacific Region.</p> <p>Chairs: Amir Sapkota (USA), Yu-Chun Wang (Taiwan)</p> <p>Influence of Large Scale Whether Phenomenon on Precipitation Pattern in the Asia Pacific Region - Chuansi Gao, Sweden</p> <p>Large Scale Whether Phenomenon and Diarrheal Disease Prevalence in Nepal - Megnath Dhimal, Nepal</p> <p>Temperature and Precipitation anomaly and diarrheal disease prevalence in Taiwan - Ayushi Sharma, Taiwan</p> <p>Extreme weather events and seasonal influence on diarrhea disease prevalence in the Asia-Pacific region - Yu-Chun Wang, Taiwan</p> <p>A Neural Network Based Early Warning System for Diarrheal Disease Burden in the Asia Pacific Region - Amir Sapkota, USA</p>
15:00	16:00	COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 ORAL PRESENTATIONS 29
Temperature, Air Pollution, and Health (3)

Chairs: **Hojang Kwon (Korea), Kayo Ueda (Japan)**

OP-166 - A Multi-Country Effort to Understand Temperature Associations with Stroke-Specific Mortality - **Barrak Alahmad, USA**

OP-167 - Geographical variation in the impact of extreme heat events on respiratory hospitalizations among older adults in 120 U.S. metropolitan areas - **Cassandra R Olenick, USA**

OP-168 - Excess mortality of heat waves: comparison of the periods, the worst heat waves in the history of South Korea - **Jonghyuk Choi, Korea**

OP-169 - Tracking climate change and health in Europe - **Kim R. Van Daalen, Spain**

OP-170 - The influence of socio-economic factors on the association between temperature and dengue incidence in the Philippines, 2010-2019 - **Sary Valenzuela, Philippines**

OP-171 - Association of prenatal solar activity with fertility and pregnancy loss in Eastern Massachusetts - **Veronica A Wang, USA**

17:40 21:30 SNRN EVENT

START END HALL 301 B

10:00 10:30 COFFEE BREAK & FREE POSTER VIEWING

10:30 12:00 SYMPOSIUM 14

Aircraft noise and health research- origins, recent developments and future directions

Chairs: **Danielle Vienneau (Switzerland), Anna Hansell (UK)**

Past and current aircraft noise research in the UK - the ANCO and RISTANCO studies - **Anna Hansell, UK**

Past and current aircraft noise research in the UK - the UK Biobank - **Katie Eminson, UK**

Aircraft noise research in Switzerland - SiRENE and TraNQuIL studies - **Danielle Vienneau, Switzerland**

Aircraft noise research in Germany - Insights from the NORAH and LIFE studies - **Andreas Seidler, Germany**

Aircraft noise research in the USA - studies in multiple national cohorts - **Junenette Peters, USA**

Panel: perspectives from around the globe

12:00 13:30 LUNCH BREAK

13:30 15:00 SYMPOSIUM 18

The Hot Topic: Navigating Urban Heat and Health Equity In and Outside the Home

Chairs: **Ricky Nathvani (UK), Shih-Chun Candice Lung (Taiwan)**

Exploring disparities in the adaptation to cold and heat in urban settings - **Aina Roca Barcelo, UK**

High-resolution spatiotemporal measurement of heat and housing in Accra, Ghana - **Emma Buajitti, Candada**

Indoor environments in an urbanizing world: the challenge of climate change and implications for health equity - **Gary Adamkiewicz, USA**

15:00 16:00 COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 ORAL PRESENTATIONS 30
Air Pollution and Mortality (2)

Chairs: **TBA, Ashtyn Areal (Germany)**

OP-172 - Asian dust and daily mortality in East Asian cities: analysis using the European Union Reference Method for decomposing PM₁₀ - **Chris Fook Sheng Ng, Japan**

OP-173 - Mortality burden due to PM composition and future projections from SLCP reduction scenarios: A regional comparison - **Muhammad Abdul Basit Ahmad Tajudin, Japan**

OP-174 - Associations between fine particulate air pollution and cause specific mortality in 337 cities in Latin America from 2009 to 201 - **Nelson Gouveia, Brazil**

OP-175 - Propagation of annual PM_{2.5} concentration uncertainty into the association with mortality in the USA - **Robbie M Parks, USA**

OP-176 - Spatial and sector-specific emissions contribution to ambient air pollution and mortality in European cities - **Sasha Khomenko, Spain**

START END HALL 304 A

10:00 10:30 COFFEE BREAK & FREE POSTER VIEWING

10:30 12:00 SYMPOSIUM 15
Environmental chemicals as endocrine disrupting chemicals Current evidence from the Birth Cohorts of Asia

Chairs: **Mei-Huei Chen (Taiwan), Atsuko Ikeda-Araki (Japan)**

Exposure to environmental endocrine disruptors and fetal development in the Shanghai Birth Cohort study - **Jun Zhang, China**

Growing Up in Singapore towards healthy Outcomes (GUSTO) cohort - Influence of chemical exposures on children's neurodevelopmental and metabolic health outcomes. - **Johan Gunnar Eriksson, Singapore**

Association Between Parabens Exposure and Thyroid Hormones in Children. Association Between Parabens Exposure and Thyroid Hormones in Children. - **Chia-Jung Tung, Taiwan**

A follow-up study on androgen disruption in Vietnamese children from a dioxin-exposed area: Decreases in DHEA, testosterone, and DHT levels with age - **Nguyen Thi Phuong Oanh, Vietnam**

The Hokkaido Study on Environment and Children's Study: overview of environmental chemical exposures in utero and children's health up to school age - **Atsuko Ikeda-Araki, Japan**

12:00 13:30 LUNCH BREAK

13:30 15:00 SYMPOSIUM 19
Environmental factors and COVID-19

Chairs: **I-Jen Wang (Taiwan), Shu-Li Wang (Taiwan)**

COVID-19 Epidemic Prevention and Climate Change Performance - **I Jen Wang**

The interplay between environmental exposures and COVID-19 risks in the health of children' - **Dwan Vilcins, Australia**

Associations of Air Pollution Exposure and COVID-19 Vaccinations with the Risk of COVID-19 Hospitalizations in Southern California - **Zhanghua Chen, USA**

A comprehensive evaluation of COVID-19 policies and outcomes in 50 countries and territories - **Hsiao-Hui Tsou, Waitan**

Virus aerosol for COVID 19 - **Kuo Pin Yu, Taiwan**

15:00 16:00 COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 ORAL PRESENTATIONS 31
Mental Health and Environmental Factors (1)

Chairs: **TBA, Stephane Tuffier (Denmark)**

OP-177 - Influence of demographics and having chronic disease on worker mental health in food processing and agricultural industries in southern Thailand - **Elizabeth K Hom Thepaksorn, Thailand**

OP-178 - Long-term effects of indirect and direct exposure to oil spills on post-traumatic stress disorder: the Hebei Spirit Oil Spill Cohort - **Lita Kim, Korea**

OP-179 - Absolute risk of PM2.5-attributable mortality differs by racial identity, income, and age - **Scott W Delaney, USA**

OP-180 - Interplay of Traffic Flow, Noise, and Air Pollutants on Mental Illness in the REVEAL-HBV Cohort Study - **Wen Chi Pan, Taiwan**

OP-181 - Systematic evaluation of the environmental effect on depressive symptoms: exposome-wide association study and twin modeling - **Zhiyang Wang, Finland**

START END HALL 304 B

10:00 10:30 COFFEE BREAK & FREE POSTER VIEWING

10:30 12:00 SYMPOSIUM 16
Uncovering the Hidden Burden of Tropical Cyclones on Public Health Globally

Chairs: **Robbie M. Parks (USA), Marianthi-Anna Kioumourtzoglou (USA)**

Excess mortality after tropical cyclones in the USA - **Robbie M. Parks, USA**

Tropical cyclone health impacts from locally to worldwide - **Marianthi-Anna Kioumourtzoglou, USA**

The physical and mental health impacts of typhoons - lessons from the Philippines - **Renzo R. Guinto, Philippines**

Increased Mortality Risks from a Spectrum of Causes of Tropical Cyclone Exposure – China, 2013–2018 - **Meilin Yan, China**

Disruption to Test Scores after Tropical Cyclones in the USA - **Gabriella Meltzer, USA**

12:00 13:30 LUNCH BREAK

13:30 15:00 SYMPOSIUM 20
Indoor portable air purifiers: Lessons and findings from research and clinical trials

Chairs: **Doug Brugge (USA), Undarmaa Enkhbat (Canada)**

Effect of temperature on blood pressure (BP) in a randomized trial to reduce ultrafine particle exposure in near highway homes - **Doug Brugge, USA**

An Air Cleaner Intervention Study of Children's Social and Behavioral Development at Four-years of Age: Effect Modification by Maternal Stress During Pregnancy - **Undarmaa Enkhbat, Canada**

Reducing Nitrogen Dioxide and Particulate Matter with HEPA/Charcoal Air Purifiers - **Khafayat O Kadiri, USA**

University experiences with low-cost, do-it-yourself portable air cleaners - **Martina Creed, USA**

Effectiveness of Indoor Air Purifiers on Heart Failure Outcomes: PURI HF TRIAL - **Samayita Ghosh, India**

15:00 16:00 COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 ORAL PRESENTATIONS 32
Environmental Factors and Child Health (2)

Chair: **Zeyan Liew (USA), Shu-Li Wang (Taiwan)**

OP-182 - Longitudinal associations between prenatal parabens exposure with children's intelligence quotient development- TMICS-pilot Study - **Chin Li Lu, Taiwan**

OP-183 - Association between fine particle matter (PM2.5) and hypothyroidism during prenatal and postnatal periods: A birth cohort study in Taiwan - **Chung Chin Lee, Taiwan**

OP-184 - Exposure to Perfluoroalkyl Substances and Longitudinal Changes in Bone Mineral Density in Adolescents and Young Adults: A Multi-Cohort Study - **Emily Beglarian, USA**

OP-185 - Multi-tissue DNA methylation analysis to identify an appropriate surrogate tissue for a unique tissue specific to spina bifida - **Gwen Tindula, USA**

OP-186 - Gestational glyphosate exposure and early childhood neurodevelopment in a Puerto Rico birth cohort - **Haley M. Jenkins, USA**

OP-187 - Exposure to residential greenness and allergic rhinitis in children - **Jieun Lee, Korea**

START END HALL 302 A

07:30 08:30 EARLY MORNING SESSION 1
Effective involvement of ISEE members in United Nations' international climate policy

A brief introduction to the UN framework convention for climate change and its COPs - **Gudrun Weinmayr, Germany**

A history of health in UNFCCC negotiations - **Kristie Ebi, USA**

On engaging at the WHO health pavillion -A personal reflection - **Ying Zhang, Australia**

Does COP matters to ISEE - **Wael Delamy, USA**

Productive Activities for Environmental Health Scientists at the COP meetings - **George Thurston, USA**

Lessons learned from my first COP (COP26, Glasgow) - **Kurt Straif, USA and Spain**

10:00 10:30 COFFEE BREAK & FREE POSTER VIEWING

10:30 12:00 ORAL PRESENTATIONS 17
Green Spaces and Health (1)

Chairs: **Jaime Hart (USA), Michael Koehle (Canada)**

OP-094 - Exposure to greenspace and ADHD in the context of physical activity, neighborhood safety and neighborhood cohesion: Analysis in Polish children - **Dorota Buczyłowska, Poland**

OP-095 - Association between green space exposure and liver enzymes in adult workers: A longitudinal cohort study - **Kanawat Paoin, Thailand**

OP-096 - Associations between greenness and rhinitis in the Constances cohort - **Marine Savouré, France**

OP-097 - Effects of urban green land use types on parental depression and anxiety during pregnancy - **Ming Lun Zou, Taiwan**

OP-098 - Associations between neighbourhood green space and multiple birth outcomes across two metropolitan areas in Australia - **Tingting Ye, Australia**

12:00 13:30 LUNCH BREAK

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

13:30 15:00 ORAL PRESENTATIONS 23
Public Health and Disease Management (1)

Chairs: **TBA**

OP-129 - Future health burden under a projected prescribed fire management scenario in California - **Ana Rappold, USA**

OP-130 - Associations of Body Constitution and All-cause Mortality in Patients with Type 2 Diabetes - **Cheng Hung Lee, Taiwan**

OP-131 - A Nationwide Population-Based Cohort Study Of The Association Between Visual Loss And Risk Of Suicide And Mental Illness In Taiwan - **Chieh Sung, Taiwan**

OP-132 - Perceptions and experiences of PFAS biomonitoring in Australian communities affected by environmental contamination - **Kayla S Smurthwaite, Australia**

OP-133 - Cost-Constrained Optimal Treatment Regimes under Bipartite Network Interference - **Raphael Kim, USA**

OP-134 - Counterfactual Event-Based Mediation Analysis of Socioeconomic Status for Cancer Patient Survival - **Shi Woei Lin, Indonesia**

OP-135 - The Association Between Birth Weight and Childhood Cancer Risk in Taiwan - **Ya-Chi Chang, Taiwan**

15:00 16:00 COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 PECHA KUCHA SESSION 3
Environmental Impacts and Health

Chairs: **Chin-Chi Kuo (Taiwan), Yoon-Jung Choi (Korea)**

- PK-039** - Detection of four endocrine disruptors - Methyl Paraben, 2,4-Dichlorophenoxyacetic acid, mono-Butyl Phthalate, and Bisphenol-A among Filipino women - **Erlidia F Llamas Clark, Philippines**
- PK-040** - Aircraft noise and cardiometabolic biomarkers: a cross-sectional and long-term analysis in the UK Biobank cohort, 2006-2022 - **Glory O Atilola, UK**
- PK-041** - Plasma levels of per- and polyfluoroalkyl substances and circulating extracellular vesicle and particle microRNAs during pregnancy: A pilot study - **Gyeyoon Yim, USA**
- PK-042** - Phthalates and anogenital distance: phthalates in maternal urine vs. placental tissue, by tissue type, by timepoint, and by genital measure - **Hai Wei Liang, USA**
- PK-043** - The effect of exposure to Polycyclic aromatic hydrocarbons on amnesic mild cognitive impairment and Alzheimer's disease: A matched case-control study - **Heeseon Jang, Korea**
- PK-044** - Is racial residential segregation an important but overlooked confounder in air pollution studies? Evidence from six US-based prospective cohorts - **Hiwot Y Zewdie, USA**
- PK-045** - Timing of Lead Exposure and Age at Death - **Justin G Farmer, USA**
- PK-046** - Mixtures of phenol and phthalate urinary biomarkers in relation to the ovarian reserve among women attending a fertility clinic - **Lidia Mínguez Alarcón, France**
- PK-047** - Urine Antimony and Risk of Cardiovascular Disease - **Lissa Fortes Soares, USA**
- PK-048** - Disparities in Environmental Health: Findings From a Community Needs Assessment - **Michelle Burbage, USA**
- PK-049** - The association between hepatic viral infections and cancers: A cross-sectional study in the Taiwan adult population - **Moreen Maliko, Taiwan**
- PK-050** - Changes in school mitigation strategies and disease transmission within an independent school in New York City - **Nicholas Defelice, USA**
- PK-051** - Urinary bisphenol analogues and prevalence of metabolic syndrome among adults in Southern China - **Shelly Lap Ah Tse, Hong Kong**
- PK-052** - Countrywide analysis of heat- and cold-related mortality trends in the Czech Republic: growing inequalities under recent climate warming - **Tomáš Janoš, Czech Republic**
- PK-053** - Ambient pm2.5 and thyroid hormones in pregnant women in Puerto Rico - **Trenton Honda, USA**
- PK-054** - Ambient PM2.5 exposure and progesterone levels in pregnant women in Puerto Rico - **Trenton Honda, USA**
- PK-055** - The mediating role of phthalate metabolites on dietary inflammatory index and prostatic enlargement in Taiwanese adults - **Tzu Ling Chu, Taiwan**
- PK-056** - Urine high-resolution metabolomics identifies environmental metal-associated inflammatory metabolic network community - **Young Mi Go, USA**

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

START	END	HALL 302 B
10:00	10:30	COFFEE BREAK & FREE POSTER VIEWING
10:30	12:00	ORAL PRESENTATIONS 18 Air Pollution Measurement and Modelling (2) Chairs: Thomas Cole-Hunter (Denmark), TBA OP-099 - Health risk assessment of PM2.5 and PM2.5-bound trace elements in Pretoria, South Africa - Janine Wichmann, South Africa OP-100 - Personal, household, and community PM2.5 exposure by cooking and heating fuel use and other key characteristics in the CKB-Air study - Ka Hung Chan, UK OP-101 - Ambient carbon monoxide and sepsis risk: Triangulation of evidence in Hong Kong - Pei Zhang, Hong Kong OP-102 - Air Pollution Indexes, a Latin América focused scoping review and recommendations - Samuel David Osorio, Mexico OP-103 - Vertical characteristics and predictive model development of bioaerosols in Taipei Metropolis - Tsung Han Johann Cheng, Taiwan OP-104 - Hourly LUR modelling of hyperlocal long-term average NO2 using mobile monitoring data - Zhendong Yuan, Netherlands
12:00	13:30	LUNCH BREAK
13:30	15:00	ORAL PRESENTATIONS 24 Air Pollution and Birth Outcomes (2) Chairs: Dimitris Evangelopoulos (UK), Elizabeth Hom Thepaksorn (Thailand) OP-136 - Increased HbA1c During Pregnancy is Associated with In-utero Exposure to PM2.5 at Levels below Current Air Quality Guidelines - Junfeng Zhang, USA OP-137 - Prenatal Exposure to Air Pollutants in Two Generations and Birth Outcomes in the Third Generation - Kimberly Berger, USA OP-138 - Fine particulate matter and preterm birth: a causal survival approach - Michael Leung, USA OP-139 - Associations between ambient PM2.5 and markers of platelet activity in pregnant women in Puerto Rico - Trenton Honda, USA OP-140 - Associations between ambient PM2.5 and placental Corticotropin Releasing Hormone (CRH) in pregnant women in Puerto Rico - Trenton Honda, USA OP-141 - Maternal Metabolomics Linking Prenatal Exposure to Fine Particulate Matter and Birth Weight - Zhanghua Chen, USA
15:00	16:00	COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 PECHA KUCHA SESSION 4
Environmental Epidemiology

Chairs: **Ana Navas-Acien (USA), Whanhee Lee (Korea)**

PK-057 - Dietary intake of organic foods in agrarian households in India - **Aditi Roy, India**

PK-058 - The relationship between sleep quality, work and residential location and bedroom environment in Hong Kong - **Beixi Li, Hong Kong**

PK-059 - Regression calibration of 15 particle components in the USA from 2000 to 2019 - **Bryan N Vu, USA**

PK-060 - Associations of Urinary Phthalate Metabolites with Household Environments among Mothers and Their Preschool-Age Children - **Chia Jung Hsieh, Taiwan**

PK-061 - Residential greenness attenuated the adverse impact of early pregnancy PM2.5 constituent exposure on congenital heart disease - **Die Li, China**

PK-062 - Influence of air pollution and COVID-19 outbreak on sleep and circadian rhythm among Hong Kong working population - **Gengze Liao, Hong Kong**

PK-063 - Impact of ambient temperature on disadvantaged population: focusing on persons with disabilities - **Jinah Park, Korea**

PK-064 - Workplace factors and mental health outcomes - **Jutta Lindert, Germany**

PK-065 - The environmental and social drivers of dengue, chikungunya and Zika emergence: a systematic evidence map - **Neelam Iqbal, UK**

PK-066 - The comparison of indoor environmental quality of hospitals in the UK and Taiwan: implications for the delivery of low-carbon hospitals - **Shih-Che Hsu, UK**

PK-067 - Long-term exposure to PM2.5 associated with decline in kidney function in a large urban cohort in two Indian cities - **Siddhartha Mandal, India**

PK-068 - Proteomics-based discovery of novel biomarkers for lipid metabolism-related diseases in abandoned mine areas - **Sora Mun, Korea**

PK-069 - Application of artificial intelligence algorithms and low-cost sensors to estimate respirable dust in the workplace - **Ta Yuan Chang, Taiwan**

PK-070 - Temperature and gastroenteritis association in refugee camps in Bangladesh, 2019-2021 - **Takuya Takata, Japan**

PK-071 - European city clusters based on morphological configurations of urban landscapes and relation with surface urban heat islands - **Tamara lungman, Spain**

PK-072 - Residential Proximity to Oil and Gas Wells and Survival in Children with Acute Leukemia - **Thanh T. Hoang, USA**

PK-073 - Environmental Tobacco Smoke Exposure and Perinatal Health Outcomes in the United Arab Emirates: Interim Analysis from The Mutaba'ah Study - **Tom Loney, United Arab Emirates**

PK-074 - Association between leptin and sleep quality of shipyard workers exposed to metal fume particulates - **Tzu Ya Hsu, Taiwan**

PK-075 - Role of gut microbiota between exposure to welding fume and sleep quality - **Ya Bei Ynag, Taiwan**

PK-076 - Genetic determinants of serum selenoproteins and selenometabolites concentrations in the Aragon Workers Health Study - SelenOmics project - **Zulema Rodriguez Hernandez, Spain**

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

START	END	HALL 303 A
07:30	08:30	<p>EARLY MORNING SESSION 3 Enhancing the quality and generalizability of clinical trials through environmental epidemiology: opportunities and challenges</p> <p>Leveraging randomized trial data for environmental epidemiology studies - Lizbeth Gomez, USA Challenges of Collecting and Using Environmental Exposure Data in Clinical Trials. - Jane E. Clougherty, USA Translating Clinical Trial Findings to Real-World Settings: The Role of Environmental Epidemiology - Fernando Holguin, USA Understanding the role of the environment in clinical trials / practice and the need for clinical trials for environmental health risks - Cavin Ward-Caviness, USA</p>
10:00	10:30	COFFEE BREAK & FREE POSTER VIEWING
10:30	12:00	<p>ORAL PRESENTATIONS 19 Heat Exposure and Health (2)</p> <p>Chairs: Shih-chun Candice Lung (Taiwan), Barrak Alahmad (USA)</p> <p>OP-105 - Examining the spatial variation of heatwave-related morbidity and mortality in Adelaide, Australia - Blesson Mathew Varghese, Australia OP-106 - Current and projected heatwave-attributable occupational injuries, illnesses, and associated economic burden in Australia: a national time-series - Matthew Anthony Borg, Australia OP-107 - Associations of occupational heat exposure and stomach cancer in a population-based case-control study - Michelle C Turner, Spain OP-108 - Heat Exposure and Acute Kidney Injury in a Sonoran Agricultural Population - Rietta S Wagoner, USA OP-109 - Heat-related illness among workers in British Columbia: Extreme hot weather in 2021 compared to 2001-2020 - Xiacong Guo, Canada OP-110 - Impact of indoor/ambient temperature on urinary biomarkers for oxidative stress among the elderly: a panel study in Hong Kong - Yi-tong Guo, Hong Kong</p>
12:00	13:30	LUNCH BREAK
13:30	15:00	<p>ORAL PRESENTATIONS 25 Sensor Technology (1)</p> <p>Chairs: Irene Martinez-Morata (USA), Ta-Chien Chan (Taiwan)</p> <p>OP-142 - The NASA TEMPO Mission: Hourly Observations of Major Air Pollutants from Space for Advancing Air Quality and Health Applications - Aaron Naeger, USA OP-143 - Electromechanical Control of Metal Oxide Thin Films deposition in Successive Ionic Layer Adsorption and Reaction for gas sensors development - Leghrib Radouane, Morocco OP-144 - Design and characterization of micro-tubes based on SnO₂ for toxic gas detection applications: Experimental and theoretical study - Leghrib Radouane, Morocco OP-145 - Application of a Mobile Apparatus for Ultrafine Particle Exposure in Urban Communities - Wei Chung Su, USA OP-146 - Performance of a low-cost sensor (LCS) network for long-term indoor and outdoor PM_{2.5} measurements at rural communities in Beijing, China - Xiaoying Li, Canada</p>
15:00	16:00	COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 ORAL PRESENTATIONS 33
Lifestyle Factors and Health Outcomes (1)

Chairs: **Ya-wen Chiu (Taiwan), Ahmed Al-Delaimy (Iraq)**

OP-188 - Epigenome-wide association study of urinary total nicotine equivalents in multiethnic current smokers from three prospective cohorts - **Brian Z Huang, USA**

OP-189 - Evaluation on the sex-related association between cigarette smoke exposure and inflammatory markers - C-reactive protein and white blood cell count - **Dong Hee Koh, Korea**

OP-190 - Assessing nitrate contamination in drinking water on indigenous Māori Reserves in the Ngāi Tahu takiwā, South Island New Zealand - **Hana Royal, New Zealand**

OP-191 - Insulin resistance and thyroid cancer in Korea: using the Korean National Health and Nutrition Examination Survey (KNHANES) 2016-2021 - **Yeong Mi Park, Korea**

OP-192 - Association of Alcohol Drinking and Polymorphisms of Alcohol Metabolism Genes with Cataract Risk - **Yi Chien Lai, Taiwan**

START END HALL 302 E

07:30 08:30 EARLY MORNING SESSION 4
Environmental health literacy perspectives on air pollution: instrument development, community survey, and educational intervention

Psychometric properties of two novel instruments for evaluating ambient and indoor air pollution health literacy in adults - **Jia-Ling Wu, Taiwan**

Determinants of air pollution health literacy among adult in Taiwan - **Ya-Hui Chang, Taiwan**

Decision tree analysis of the adults with inadequate air pollution health literacy in southern Taiwan - **Chung-Yi Li, Taiwan**

Improving Air Pollution Environmental Health Literacy: Educational Intervention in Taiwan - **Pei-Chen Lee, Taiwan**

10:00 10:30 COFFEE BREAK & FREE POSTER VIEWING

10:30 12:00 ORAL PRESENTATIONS 20
COVID-19 and Environmental Factors (1)

Chairs: **I-Jen Wang (Taiwan), TBA**

OP-111 - Associations between daily PM_{2.5} exposure and hospitalizations for COVID-19 - **Cavin Keith Ward Caviness, USA**

OP-112 - The impact of sulfur dioxide in industrial areas of Taiwan during the COVID-19 epidemic period - **Chih Yu Chang, Taiwan**

OP-113 - COVID-19 infection risk assessment in a kindergarten utilizing continuous air quality monitoring data - **Chung Yen Chen, Taiwan**

OP-114 - School-level COVID-19 preventive measures and infection rates in England's primary and secondary schools in the Autumn 2021: an ecological analysis - **Liang Yu Lin, UK**

OP-115 - Air pollution mortality benefits of sustained COVID-19 mobility restrictions in Australian cities - **Sotiris Vardoulakis, Australia**

OP-116 - Risk assessment of airborne transmission of novel coronavirus (COVID-19) in long-distance transport - **Ta Chen Su, Taiwan**

12:00 13:30 LUNCH BREAK

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

13:30 15:00 ORAL PRESENTATIONS 26
Air Pollution and Cardiovascular Health (3)

Chairs: **Michelle Turner (Spain), Mahdieh Danesh Yazdi (USA)**

OP-147 - Association of air pollution, temperature and relative humidity with emphysema severity in COPD - **Amja Manullang, Taiwan**

OP-148 - Resilience to air pollution and coronary heart disease: a UK Biobank study - **Chialing Kuo, USA**

OP-149 - Long-term exposure to air pollution and coronary atherosclerosis, calcification, and non-calcified plaques - results from the Swedish SCAPIS study - **Karl Kilbo Edlund, Sweden**

OP-150 - The association of particulate matter components with heart rate variability - **Kashish Jain, India**

OP-151 - Prenatal Air Pollution Exposure and Blood Pressure during Childhood and Adolescence: findings from Project Viva - **Pi I Debby Lin, USA**

OP-152 - The association between carbon monoxide and cardiovascular diseases: a systematic review and meta-analysis - **Thi Hoang Yen Nguyen, Taiwan**

OP-153 - Relationships between Short-term Exposure to Ambient PM2.5 and Incident Cases of Cardiovascular Disease - **Yang Zhao, Australia**

15:00 16:00 COFFEE BREAK & FREE POSTER VIEWING

16:00 17:30 ORAL PRESENTATIONS 34
Air Pollution and Child Health (1)

Chairs: **Jaime Benavides (USA), Pallavi Joshi Lahari (India)**

OP-193 - Transgenerational effects of maternal exposure to ambient PM2.5 on sperm functions and DNA methylation in mouse offspring - **Ping Chi Hsu, Taiwan**

OP-194 - A quality assessment framework for evaluating study quality and risk of bias of studies of air pollution and preterm birth - **Shawn Lee, UK**

OP-195 - The Effects of Air Pollution on Children's Educational Attainment at Schools in England - **Sophia Garkov, UK**

OP-196 - Susceptible windows of exposure to fine particulate matter and behavioral symptoms related to attention-deficit hyperactivity disorder - **Wei Jen Chen, USA**

OP-197 - Impact of exposure to PM2.5 in household air pollution on child neurocognitive development at seven years of age - **Yetunde Celia Adeniyi, Nigeria**

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

START	END	HALL 303 E
07:30	08:30	EARLY MORNING SESSION 5 Health effects of new and emergent environmental pollution Multimedia Environmental Endocrine-Disrupting Chemicals and Food Safety: Implications for Mixture Risk Assessment using a probabilistic approach - Wei-Hsiang Chang, Taiwan The relationship of endocrine-disrupting chemicals exposure with oxidative stress biomarkers among Japanese school children: The Hokkaido Study. - Rahel Mesfin Ketema, Japan Several organic UV filters- Possible health effects and underlying mechanisms - Ba Reum Kwon, Korea Associations between Paraben Exposure and Thyroid Function in the General Taiwanese: Taiwan Environmental Survey for Toxicants (TEST) 2013 - Jung-Wei Chang, Taiwan
10:00	10:30	COFFEE BREAK & FREE POSTER VIEWING
10:30	12:00	ORAL PRESENTATIONS 21 Heavy Metals, Chemical Compounds and Health Outcomes (3) Chairs: Howard Hu (USA), Chih-Hung Lee (Taiwan) OP-117 - Assessment of DNA Adducts Related to Oxidative Stress in Residents of Heavy Metal-Contaminated Areas - Bo Ri Kim, Korea OP-118 - Urinary metals and incident Heart Failure in Indigenous communities in the US: Evidence from the Strong Heart Study - Irene Martinez Morata, USA OP-119 - Serum mercury is not associated with incident diabetes in a cohort of older Americans: findings from the REGARDS study - Ka Kahe, USA OP-120 - Patterns of exposure to toxic and essential elements in whole blood in the Baltimore Memory Study - Katherine A Moon, USA OP-121 - Pooled-cohorts Genome-Wide association study of metals: Introduction to the Metal-GWAS Initiative - Maria Tellez Plaza, Spain OP-122 - Lead and cadmium exposure and biomarkers of subclinical cardiovascular disease in the National Health and Nutrition Examination Survey 1999-2004 - Molly E Schwalb, USA
12:00	13:30	LUNCH BREAK
13:30	15:00	ORAL PRESENTATIONS 27 Occupational Health Risks (1) Chairs: Jose Ricardo Suarez (USA), How-Ran Guo (Taiwan) OP-154 - Investigation of semen quality among Thai male tobacco farmers over harvest season - Anu Surach, Thailand OP-155 - Prevalence of Chronic Respiratory Symptoms among Workers Exposed to Cement Dust in Gauteng Province, South Africa - Asanda Mkulisi, South Africa OP-156 - Improving environmental, occupational health and safety for small and micro-small enterprises in a mechanical craft village, outside of Hanoi, Vietnam - Hien Thi Thu Ngo, Vietnam OP-157 - Occupational exposure to pesticides and symptoms of depression in agricultural workers. A systematic review - Maria Teresa Muñoz Quezada, Chile OP-158 - Exposure to hydrocarbons and risk of bladder cancer in petroleum workers - Tom Kristian Grimsrud, Norway OP-159 - Glyphosate use and mosaic loss of chromosome Y among male farmers in the Agricultural Health Study - Vicky C. Chang, USA

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

15:00 16:00 COFFEE BREAK & FREE POSTER VIEWING

16:00 17:30 ORAL PRESENTATIONS 35
PFAS and Health Outcomes (1)

Chairs: **Mei-Huei Chen (Taiwan), Jennifer Oliver (USA)**

OP-198 - Associations of socioeconomic factors and per- and polyfluoroalkyl substance exposure profiles in The Norwegian Mother, Father, and Child Cohort Study - **Adriano Winterton, Norway**

OP-199 - Per/poly fluoroalkyl substances induce lipid accumulation via the serotonergic signaling pathway in {Caenorhabditis elegans} - **Chia Cheng Wei, Taiwan**

OP-200 - Prenatal and early postnatal exposure to perfluoroalkyl substances and intelligence quotient score in 7-year-old children - **Iben Have Beck, Denmark**

OP-201 - Perfluoroalkyl Substances and Metabolic Dysregulations over the Life-course: A Longitudinal Metabolome Investigation using Causal Inference Framework - **Vishal Midya, USA**

START	END	HALL 303 D
07:30	08:30	EARLY MORNING SESSION 6 Climate adaptation research around the globe Discussion facilitator - Gwen Collman, USA Discussion facilitator - Joshua Rosenthal, USA
10:00	10:30	COFFEE BREAK & FREE POSTER VIEWING
10:30	12:00	ORAL PRESENTATIONS 22 Environmental Inequalities and Health Risks (1) Chairs: Ming-Chieh Li (Taiwan), Ekta Chaudhary (India) OP-123 - Longitudinal disparities in air pollution exposure by racial residential segregation in the USA: a meta-analysis of harmonized multi-cohort - Carolyn A. Fahey, USA OP-124 - A 'synthetic population' model for evaluating the impacts of city-level climate change mitigation policies on health and health inequalities - Filiz Karakas, UK OP-125 - Sociodemographic Disparities in Mercury Exposure from U.S. Coal-Fired Powerplants - Mona Dai, USA OP-126 - The environmental conditions of mass incarceration: National estimates of environmental exposures impacting US incarcerated populations - Raenita Spriggs, USA OP-127 - Intersectional inequalities in temperature-related mortality risk in South Korea - Sera Kim, Korea OP-128 - Geospatial modelling and socioeconomic inequalities of transportation, human, and nature-based sounds in Accra, Ghana - Sierra N Clark, UK
12:00	13:30	LUNCH BREAK

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

13:30	15:00	<p>ORAL PRESENTATIONS 28 Chemical Exposure and Birth Outcomes (2)</p> <p>Chairs: Margaret Karagas (USA), Aalekhya Reddam (USA)</p> <p>OP-160 - Personal care product use and perfluoroalkyl substances in pregnant and postpartum women and adolescents in the USA and Canada - Amber M Hall, USA OP-161 - Maternal arsenic exposure, folic acid use during early pregnancy and spina bifida risk: A case control study in Bangladesh - Chih Fu Wei, USA OP-162 - Gestational blood levels of PFAS mixtures and associations with global DNA methylation in pregnant women and their infants - Gro D. Villanger, Norway OP-163 - Exposure to organophosphate ester flame retardants and plasticizers (OPEs) during pregnancy and autism-related outcomes - Jennifer L Ames, USA OP-164 - Pregnancy and early infancy exposure to endocrine disruptors and post-natal growth in a cohort relying on repeated urine collection - Marion Ouidir, France OP-165 - Assessment of environmental sources of arsenic, lead, and cadmium exposure among pregnant women in rural, Bangladesh - Musa Baker, Bangladesh</p>
15:00	16:00	<p>COFFEE BREAK & FREE POSTER VIEWING</p>
16:00	17:30	<p>ORAL PRESENTATIONS 36 Air Pollution and Respiratory Health (1)</p> <p>Chairs: Janine Wichmann (South Africa), Andrea Dalecka (Czech Republic)</p> <p>OP-203 - Differences in association of PM2.5 and PM10 with respiratory hospitalization in Korea from 2006 to 2019 - Dajeong Ham, Korea OP-204 - Association between wildfire, respiratory and cardiovascular disease admission: Mediating effect of air pollutants in Korea - Eunjin Oh, Korea OP-205 - Long-term exposure to air pollution and risk of acute lower respiratory infections: The Danish Nurse Cohort - Jiawei Zhang, Denmark OP-206 - Constituents of fine particle air pollution and oxidative stress, quality of life of patient with allergic rhinitis: A panel study - Jinhui Li, USA OP-207 - Antagonistic interactions between aging genetic variants and air pollution exposure on chronic respiratory conditions in elderly women - Sara Kress, Germany</p>

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

START	END	HALL 303 C
07:30	08:30	<p>EARLY MORNING SESSION 7 Transitioning from PhD to Postdoc</p> <p>Chairs: Andy Tsung-Lin Tsai (Taiwan), Marine Savouré (France)</p> <p>Aisha Dickerson, USA Chau-Ren Jung, China Kenza Khomsi, Morocco Adetoun Mustapha, Nigeria</p>
10:00	10:30	COFFEE BREAK & FREE POSTER VIEWING
10:30	12:00	<p>VIRTUAL ONLY AMERICAS (2)</p> <p>Chairs: TBA, Janice Ho (Hong Kong)</p> <p>VO-006 - Consistency of findings between experimental and observational analyses of placental mono-n-butyl phthalate (MnBP) and anti-androgenic effects - Jennifer Joan Adibi, USA VO-007 - Integrating data across multiple sites in the northeastern USA to examine associations between prenatal metal mixtures and child cognition - Maria José Rosa, USA VO-008 - Associations between Exposure to Persistent Organic Pollutants and Subsequent Body Composition Response to Bariatric Surgery - Nathan Joseph Cohen, USA VO-009 - Associations between prenatal exposure Per- and polyfluoroalkyl substances and liver fat content in Singaporean children - Sabiha Nasrin, USA VO-010 - Longitudinal Dietary Fluoride Exposures in Association with Cardiometabolic Outcomes in School-Aged Children living in Mexico - Sandra India Aldana, USA VO-011 - Ambient fine particulate matter exposure and risk of incident liver cancer in the NIH-AARP Diet and Health Study - Xiuqi Ma, USA</p>
12:00	13:30	LUNCH BREAK
13:30	15:00	<p>VIRTUAL ONLY EUROPE / AFRICA (2)</p> <p>Chairs: Adetoun Mustapha (Nigeria), TBA</p> <p>VO-047 - A systematic review of exposure-response relationships between the exposome and children health - Audrey Rocabois, France VO-048 - Effects of ambient temperature on preterm birth, stillbirth, and low Apgar score in Soweto, South Africa: A case-crossover analysis - Cherie Part, UK VO-049 - In utero exposure to synthetic phenols and phthalates and child respiratory health: a mixture analysis based on clustering - Claire Philippat, France VO-050 - Environmental and social inequities in continental France: an analysis of exposure to heat, air pollution and lack of vegetation - Lucie Adélaïde, France VO-051 - Rising food/fuel prices from the Russia-Ukraine war: Pay-as-you-go LPG consumption & food security impacts in a Kenyan informal urban settlement - Matthew Shupler, UK</p>
15:00	16:00	COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 3 TUESDAY, 19 SEPTEMBER 2023

16:00 17:30 **VIRTUAL ONLY EUROPE / AFRICA (3)**

Chairs: **Sun-Young Kim (Korea), Liang-Yu Lin (UK)**

VO-052 - Monitoring human-related Encephalitozoon spp. in farms from Makeni, Sierra Leone - **Antonio Peña Fernandez, UK**

VO-053 - Association between long-term exposure to air pollution, risk of infection by SARS-CoV-2 virus and COVID-19 in the French CONSTANCES cohort - **Emilie Burte, France**

VO-054 - Health impact assessment of road traffic noise exposure - A case study of a pre- and post-densification scenario - **Kristoffer Mattisson, Sweden**

VO-055 - Municipality assessment of temperature-related respiratory morbidity risks in Norway - **Liliana Vázquez Fernández, Norway**

VO-056 - Outdoor artificial light-at-night and cancer risk: an exposure assessment comparative study between DMSP, VIIRS and ISS satellite data - **Manolis Kogevas, Spain**

DAILY PROGRAM

DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

START	END	HALL 301 A
08:15	08:45	AWARD CEREMONY
08:45	09:30	KEYNOTE LECTURE 5 Chair: TBA Environment, Health, and Justice: The Power of Communities and Interdisciplinary Science Ana Navas-Acien, USA
09:30	10:15	KEYNOTE LECTURE 6 Chair: Adetoun Mustapha, Nigeria Racial disparities in personal care products and environmental endocrine disrupting chemicals Tamara James-Todd, USA
10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
10:45	12:15	SYMPOSIUM 21 Air Pollution in Africa: Assessing Risk, Implementing Interventions and Protecting Health on the Continent Chairs: Rajen N. Naidoo (South Africa), Kwaku Poku Asante (Ghana) Breathe Accra Project: Accelerating air quality improvements in Accra to protect public health - Kofi A. Amegah, Ghana Evidence-based nutrition approaches in ameliorating health effects associated with informal e-waste recycling among women and children at Agbogbloshie, Ghana - Sylvia Takyi, Ghana Assessing PM2.5 concentration and predictors of exposure in Zimbabwean rural households: identifying feasible interventions - Shamiso Muteti, Zimbabwe Does evidence on association between ambient air pollution exposure and health among adults and children in South African call for intervention? - Aqiel Dalvie, South Africa
12:15	13:45	LUNCH BREAK
13:45	15:15	ORAL PRESENTATIONS 43 Green Spaces and Health (3) Chairs Jutta Lindert (Germany), Charlotte Roscoe (USA) OP-242 - Effect modification of greenness on PM2.5-associated mortality in a multidrug-resistant tuberculosis cohort - Erjia Ge, Canada OP-243 - Health Impact Assessment of Greenness Promotion on All-cause Mortality in 37 Chinese Cities - Linyan Li, Hong Kong OP-244 - Urban greenness space and parental positive and negative affect during pregnancy - Ming Lun Zou, Taiwan OP-245 - Pollen exposure and the risk of respiratory emergency department visits among adults 65 and older in Michigan, Ohio, and Pennsylvania, - Peter S Larson, USA OP-246 - Impacts of greenspace on the relationship between particulate matter exposure and mental health related mortality in Detroit, Michigan, U.S.A - Vivian H. Fong, USA OP-247 - Spatial distribution of greenness in Bangkok, Thailand during 2018-2020: Ecological study - Wilaipak Nilsalai, Thailand
15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

16:15 17:45 SYMPOSIUM SESSION 25
Environmental health data and research: Ethical challenges and opportunities in the technology age

Chairs: **Atanu Sarkar (Canada), Adetoun Mustapha (Nigeria)**

Ethical implications of secondary data analysis and helicopter research - **Adetoun Mustapha, Nigeria**

Obligations to Individuals and Communities Subjected to Research - **Nivine Abbas, Lebanon**

Conflicts of Interest - **Atanu Sarkar, Canada**

Ethical Perspectives on Launching a Birth Cohort for Environmental Health Research in Low-resource Settings - **Emile Whaibeh, Lebanon**

Obligations to Colleagues - **Ireneous Soyiri, UK**

Revising the ISEE Ethics Guidelines - **Olayinka Osuolale, Nigeria**

START	END	HALL S2
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18:30	21:30	ISEE Annual Conference Dinner
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START	END	HALL 301 B
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10:45	12:15	SYMPOSIUM 22 Climate change and Urban health in East Asia
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Chairs: **Whanhee Lee (Korea), Ho Kim Korea)**

Contributions of influenza epidemics and ambient temperature to excess mortality in cold season - **Chris Fook Sheng Ng, Japan**

Mortality risk of hot nights in Japan - **Satbyul Estella Kim, Japan**

Impacts of tropical cyclones to diarrhoeal diseases in the Northwest Pacific Basin countries - **Paul Chua, Japan**

MCC study on urbanization - **Jieun Oh, Korea**

A region-wide analysis of ENSO and its effect on dengue in Southeast Asia - **Xerxes Seposo, Japan**

Ambient temperature and suicide: a multi-city multi-country study - **Yoonhee Kim, Japan**

12:15	13:45	LUNCH BREAK
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13:45	15:15	ORAL PRESENTATIONS 44 Air Pollution and Mortality (3)
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Chairs: **Kwaku Poku Asante (Ghana), Tanya Singh (Australia)**

OP-248 - Association between long-term exposure to PM2.5 and mortality varied by serious underlying disease in South Korea: national health insurance cohort - **Hyemin Jang, Korea**

OP-249 - Interpretability - using causal modeling frameworks to investigate the association

between long-term exposure to nitrogen dioxide and COVID-19 disease - **Jiawei Zhang, Denmark**

OP-250 - Association between Long-Term Exposure to Air Pollution and COVID-19 Mortality: Investigation of potential collider bias - **Jiawei Zhang, Denmark**

OP-251 - Health economic loss of mortality attributable to wildfire-related PM2.5: a nationwide time series study in Brazil - **Yao Wu, Australia**

OP-252 - Improving Health by Mitigating the Air Pollution? Mortality and Trends caused by PM2.5 in the heavy-industrial areas in southern Taiwan - **Yu Hsiang Tsao, Taiwan**

15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING
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DAILY PROGRAM

DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

- 16:15 17:45 SYMPOSIUM SESSION 26
Impact of the Climate Change Crises on Child Health
 Chairs: **Kari Nadeau (USA), Margaret Karagas (USA)**
 Overview and State of the Science on Climate Change and Children and Immune Impacts - **Kari Nadeau, USA**
 Examining the effects of temperature and precipitation on all-infectious-, bacterial-, and viral-diarrheal among under five-year populations in Taiwan, - **Gerry Andhikaputra, Taiwan**
 Children's heat exposure and health impacts in Taiwan - **Shih-Chun Candice Lung, Taiwan**
 Impacts of Climate Change and Fossil Fuel Pollution on Brain Development and Interventions - **Frederica Perera, USA**

START	END	HALL 304 A
10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
10:45	12:15	SYMPOSIUM 23 The emerging chemicals - benzophenones, exposure/health risk assessment and management Chairs: Mei-Lien Chen (Taiwan), Alexander Waits (Taiwan) Occurrence, Health Risk Assessment, and Management of PPCPs in Drinking Water of Taiwan - Gen-Shuh Wang, Taiwan Risk Assessment of Exposure to Ultraviolet-Absorbing Compounds via Consumption of Packaged Juice, Milk and Marine Invertebrates - Hsin-Chang Chen, Taiwan Health risk assessment of dietary exposure to Benzophenones in Taiwanese women of child-bearing age - Yu-Fang Huang, Taiwan Association between exposure to benzophenones and dietary pattern among the general Taiwanese population - Boopathi Subramani, Taiwan Sustainable technologies for the removal of benzophenones and cost-effectiveness assessment - Kuo-Pin Yu, Taiwan
12:15	13:45	LUNCH BREAK
13:45	15:15	ORAL PRESENTATIONS 45 Heavy Metals, Chemical Compounds and Health Outcomes (1) Chairs: Chih-Fu Wei (USA), Aaron Specht, (USA) OP-253 - Indoor particulate matter heavy metals and their potential health risks in low socio-economic communities - Busisiwe Shezi, South Africa OP-254 - Assessment and mitigation of cadmium exposure based on human bioavailability - Di Zhao, China OP-255 - Urinary metal mixtures and their association with renal function: A cross-sectional study in Mexico - Elodia Rojas Lima, Mexico OP-256 - Exposure to uranium and its decay products is associated with plasma metabolome of people living near former uranium processing site - Hui Chen Wu, USA OP-257 - Risks of exposure to benzotriazoles: from genotoxicity to human liver stem cells to exposure levels in Czech male population - Nina Pálesová, Czech Republic OP-258 - Saliva and Urine Sampling to Quantify Trace Metal Exposure for Epidemiologic Studies - Shelbie D. Stahr, USA
15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING
16:15	17:45	SYMPOSIUM SESSION 27 Climate adaptation and health: improving evidence for action - Results from the EXHAUSTION Project

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DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

START	END	HALL 304 B
10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
10:45	12:15	<p>SYMPOSIUM SESSION 24 Earth Observation for Environmental Epidemiology</p> <p>Chairs: Aina Roca Roca-Barcelo (UK), Charlotte Roscoe (USA)</p> <p>Fine-Grained Earth Observation Data Facilitate the Accurate Measurements of People's Momentary Exposure to Ambient Environmental Impact Factors - Mei-Po Kwan, China Fine particulate matter measured by satellites predicts the risk of tic disorders in a Taiwan Birth Cohort Study - Bing-Fang Hwang, Taiwan Integration of Earth Observations with In-situ Demographic and Health Data to Assess Heat-Health Risks in the Age of Climate Change - Cascade Tuholske, USA Satellite-based estimates of PM2.5 exposure, regular exercise and health: a Taiwanese longitudinal cohort study - Xiang Qian Lao, China The challenges of Remote Sensing for health-related studies - Alexandra Chudnovsky, Israel Novel applications of satellite imagery for environmental health research - Annalisa Sheehan, UK</p>
12:15	13:45	LUNCH BREAK
13:45	15:15	<p>ORAL PRESENTATIONS 46 Environmental Factors and Child Health (3)</p> <p>Chairs: Ruth Etzel (USA), Wen Chao Ho (Taiwan)</p> <p>OP-259 - Association of prenatal and childhood exposure to benzophenones and neurobehavioral development in children - Boopathi Subramani, Taiwan OP-260 - The Association of Children's Blood Lead Levels and Prevalence of Stunting in Tin Mining Area in Indonesia - Budi Haryanto, Indonesia OP-261 - Understanding Pediatric Susceptibility Across Temperature and Environment in New York (UPSTATE NY) - Jane E Clougherty, USA OP-262 - Environmental risk factors associated with birth defects in a war-zone in Iraq - Jeffrie Quarsie, Netherlands OP-263 - Associations Between Gestational Environmental Phenols and Preterm Birth in a Diverse Population; a Prospective Study of Racial Disparities - Michael S Bloom, USA OP-264 - Prioritizing interventions to reduce children's exposure to urban exposures: a Delphi study - Tiffany C Yang, UK</p>
15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING
16:15	17:45	<p>SYMPOSIUM SESSION 28 Current practice and challenges in integrating biomarkers and PBPK/PD for chemical risk assessment</p> <p>Chairs: Yu-Sheng Lin (USA), Abdel Kadry (USA)</p> <p>Epigenetics and Environmental Justice: Reflections on Current Advancement, Research Priorities and Translational Potential - Kenneth Olden, USA 1. A Population Physiologically-Based Pharmacokinetics for Probabilistic Risk Assessment of Hazards in Animal Feeds: Cadmium as an Example - Kun-Yueh Wu, Taiwan Applications of PBPK Modeling and Biomonitoring for Risk Assessment: Challenges and Opportunities - Yu-Sheng Lin, USA Food Safety and Risk Communication - Abdel Kadry, USA</p>

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START	END	HALL 302 A
07:30	08:15	<p>EARLY MORNING SESSION 8</p> <p>Study of Developmental Origins of Health and Disease (DOHaD): Using examples of endocrine-disrupting chemicals and neurodevelopment in children in Asian countries</p> <p>The association between prenatal phthalate exposure and neonatal neurobehaviors - Chia-Jung Hsieh, Taiwan</p> <p>Is prenatal exposure to per- and polyfluoroalkyl substances (PFAS) associated with both neurodevelopmental delay and neurodevelopmental disorders? - Kenji Tsuchiya, Japan</p> <p>Prenatal exposure to metals and depressive, autism spectrum, and oppositional defiant problems in children - Tsung-Lin Tsai, Taiwan</p> <p>The association between cord blood levels of lead, arsenic, and zinc and IQ among 14-year-old adolescents: Chitwan Birth Cohort Study - Rajendra Prasad Parajuli, Nepal</p> <p>The association between exposure to organophosphate pesticides, genetic polymorphisms and methylation in children with attention-deficit/hyperactivity disorder - Chia-Huang Chang, Taiwan</p>
10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
10:45	12:15	<p>ORAL PRESENTATIONS 37</p> <p>Infectious Diseases and Environmental Factors (1)</p> <p>Chairs: Adnan Alhindi (Palestine), Zulhairul Naim bin Sidek Ahmad (Malaysia)</p> <p>OP-208 - Occurrence of Cryptosporidium species in Wastewater Treatment Plants in Gaza Strip: Environmental health problem - Adnan Ibrahim Alhindi, Palestine</p> <p>OP-209 - Climate variability and occurrence of vector borne diseases: evidence from National Capital Region of Delhi, India - Harshal Ramesh Salve, India</p> <p>OP-210 - Airborne Avian Influenza Virus in Ambient Air in the Winter Habitats of Migratory Birds - Jia Lin Zhang, Taiwan</p> <p>OP-211 - Impact of Influenza Infection and Environmental Factors on Sepsis - Ka Chun Chong, Hong Kong</p> <p>OP-212 - Association between environmental factors and dengue incidence in the Lao People's Democratic Republic: a nationwide time-series study - Yoonhee Kim, Japan</p> <p>OP-213 - Factors Influencing Mosquito Bed Net Ownership and Utilization in Eastern Uganda - Yueh Hsiu Mathilda Chiu, USA</p>
12:15	13:45	LUNCH BREAK
13:45	15:15	<p>ORAL PRESENTATIONS 47</p> <p>Heat Exposure and Health (1)</p> <p>Chairs: Amir Sapkota (USA), Wael Al-Delaimy (USA)</p> <p>OP-265 - Heat and risks of emergency department visits in the Medicaid population in South Korea: a longitudinal health insurance-based cohort study - Ayoung Kim, Korea</p> <p>OP-266 - Anomalous temperatures increase occupational injuries, illnesses and associated costs in Australia - Matthew Anthony Borg, Australia</p> <p>OP-267 - The impact of multiple marginalization on the association between acute exposure to hot summer temperature and reduced childhood cognitive performance - Scott William Delaney, USA</p> <p>OP-268 - Epidemiological characteristics of heat-related illness: nationwide data between 2000 and 2018 in Taiwan - Wan Yin Kuo, Taiwan</p> <p>OP-269 - A study on the association between heat waves and acute kidney injury (AKI) due to climate change - Youngrin Kwag, Korea</p> <p>OP-270 - Heatwaves and renal disease-related mortality during summer seasons in Japan - Zin Wai Htay, Japan</p>
15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING

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DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

16:15 17:45 ORAL PRESENTATIONS 53
Wildfire Exposure and Health (1)

Chairs: **TBA, Hui-Chen Wu (USA)**

OP-298 - Understanding Age-Specific Mortality Impacts Associated with Wildland Fires: An Assessment for the Continental USA, 2005-2018 - **Ambarish Vaidyanathan, USA**

OP-299 - Personal Exposure Monitoring During Wildfire Smoke Events - **Lilian (Ziqi) Liu, USA**

OP-300 - Prenatal exposure to wildfire smoke and pregnancy loss in Colorado, **USA** - **Michael Leung, USA**

OP-301 - Exposure to wildfire related PM_{2.5} and site specific cancer mortality in Brazil from 2010 to 2016: A retrospective study - **Pei Yu, Australia**

OP-302 - The Association between Wildfire and Emergency Department (ED) Visits for Anxiety Disorders in the Western USA - **Qingyang Zhu, USA**

OP-303 - Wildfire exposure and academic performance in Brazil: a causal inference approach for spatiotemporal data - **Wan-Chen Lee, Taiwan**

OP-304 - Wildfires are becoming a major contributor to population exposure to PM_{2.5} pollution in the Continental USA - **Yang Liu, USA**

START END HALL 302 B

07:30 08:15 EARLY MORNING SESSION 9
Overview and comparison of mental health problems among adolescents living in different environmental conditions in Indonesia

Environmental related risk factors of mental health problems for adolescents and its relevance in Indonesia - **Sherly Saragih Turnip, Indonesia**

Psychotic Like Experiences among adolescents living in urban and rural areas in Indonesia - **Lerivia Maharani, Indonesia**

Behavioral difficulties and their covariates among adolescents in urban and rural areas in Indonesia - **Embun Pramana, Indonesia**

10:15 10:45 COFFEE BREAK & FREE POSTER VIEWING

10:45 12:15 ORAL PRESENTATIONS 38
Air Pollution Measurement and Modelling (3)

Chairs: **Harish Phuleria (India) Yu-Cheng Chen (Taiwan)**

OP-214 - Examining the oxidative potential of residential outdoor PM_{2.5} through multiple assays and their potential chemical drivers - Harish **Chandra Phuleria, India**

OP-215 - Inhalation health risk assessment of ambient PM_{2.5} and associated trace elements in Cape Town, South Africa - **Janine Wichmann, South Africa**

OP-216 - Association between Asian Dust and adverse health effects in Japan - **Kazunari Onishi, Japan**

OP-217 - Emissions of Airborne Pollutants from Open Dumpsites and Perceived Health Effects among Residents in Ile-Ife, Osun State, Nigeria - **Olufemi Oludare Aluko, Nigeria**

OP-218 - Air Quality and Health Risk Assessment of Particulate Matter (PM_{2.5} and PM₁₀) in Awotan and Aba-Eku Dump Sites, Ibadan, Nigeria - **Temitope Ayodeji Laniyan, Nigeria**

OP-375 - A new single particle mass spectrometer detects health-relevant Polycyclic Aromatic Hydrocarbons, soot and metals from individual aerosol particles - **Ralf Zimmermann, Germany**

12:15 13:45 LUNCH BREAK

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DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

13:45 15:15 ORAL PRESENTATIONS 48
Air Pollution and Cardiovascular Health (4)

Chairs: **Danielle Vienneau (Switzerland), Katlyn E. McGraw (USA)**

OP-271 - Acute Effects of Psychosocial Stress and Diesel Exhaust on Cardiovascular Health: Evidence from a Controlled Exposure Facility - **Anjum Hajat, USA**

OP-272 - Impact of air pollution on the incidence of out-of-hospital cardiac arrest: a nationwide case-crossover study in South Korea - **Cinoo Kang, Korea**

OP-273 - Long-term Exposure to PM_{2.5} Species and Cardiovascular Hospital Admissions Among Medicare Beneficiaries 2000-2016 - **Mahdieh Danesh Yazdi, USA**

OP-274 - Long-term exposure to air pollution and incidence of major cardiovascular diseases: a Danish nationwide administrative cohort study - **Matija Maric, Serbia**

OP-275 - Evaluating Source-Specific PM_{2.5} Cardiovascular Health Effects from a Natural Experiment Intervention - **Wuyue Yu, USA**

15:15 16:15 COFFEE BREAK & FREE POSTER VIEWING

16:15 17:45 ORAL PRESENTATIONS 54
Air Pollution and Respiratory Health (2)

Chairs: **Anna Hansell (UK), Jiawei Zhang (Denmark)**

OP-305 - Ambient variation of fine particulate matter associated with asthma treatment - **Firdian Makrufardi, Taiwan**

OP-306 - Association between respiratory tract deposited inhaled dose of PM_{0.25-10} mass-count and airway inflammation based on individual exposure assessment - **Kyungjun Jeong, Korea**

OP-307 - Long-term exposure to air pollution and the risk of obstructive lung disease in a Danish nationwide administrative cohort - **Rina So, UK**

OP-308 - Long-term exposure to air pollution and risk of hospital admissions for obstructive lung disease among older English people - **Rina So, UK**

OP-309 - Investigating links between long-term air pollution exposure and SARS-CoV-2 infection, hospitalisation and mortality: a meta-analysis of cohort studies - **Shawn Lee, UK**

OP-310 - Effects of climate-mediated PM_{2.5} on lung function decline in chronic obstructive pulmonary disease - **Tran Minh Huan, Taiwan**

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DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

START	END	HALL 303 A
07:30	08:15	<p>EARLY MORNING SESSION 10</p> <p>Health effects of persistent low-level exposure to environmental trace elements: evidence across the globe</p> <p>Associations of fine particulate matter and elements with increased oxidative stress, circulating microparticles, and common carotid intima-media thickness—A cross-sectional study in young Taiwanese - Szu-Ying Chen, Taiwan</p> <p>Early-Onset Breast Cancer and Geospatial Indicators of Exposures in the Arkansas Rural Community Health Study (ARCH) - Sean Young, USA</p> <p>Reference Value and Exposure Profiles of Emergent Metals: Taiwan Environmental Survey for Toxicants 2013-16 - Kai-Wei Liao, Taiwan</p> <p>The association among urinary lead and cadmium, serum adiponectin, and serum apoptotic microparticles in a young Taiwanese population - Chien-Yu Lin, Taiwan</p> <p>Salivary arsenic as biomarker of exposure in rural communities and its effect on genome-wide DNA methylation profile - Ping-Ching Hsu, USA</p>
10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
10:45	12:15	<p>ORAL PRESENTATIONS 39</p> <p>Quantitative Methods in Environmental Health Research (1)</p> <p>Chairs: Michael Leung (USA), TBA</p> <p>OP-219 - Determinants of measurement error in surrogate exposures assigned as proxies of personal exposure to ambient air pollution: the MELONS study - Dylan Wood, UK</p> <p>OP-220 - Characterization of Wildfire Particulate Emissions using Computer Controlled Scanning Electron Microscopy Techniques - Gary Casuccio, USA</p> <p>OP-221 - Spatiotemporal Characteristics and Changes in Hazard-Based Result Scores Using Pollutant Release and Transfer Register Data - Hyun Joo Bae, Korea</p> <p>OP-222 - Comparison of Performance in Removing Submicrometer Particles between Kitchen Hoods by Using a Systematic Measurement Test - I Hsuan Tsai, Taiwan</p> <p>OP-223 - A Review and Quality Assessment of Systematic Reviews and Meta-Analyses of Traffic-Related Air Pollution Epidemiological Studies - Juleen Lam, USA</p> <p>OP-224 - Implementation of the Negative Control Exposure Method in Environmental Epidemiology: A Simulation Study - Raanan Raz, Israel</p> <p>OP-225 - Co-production and evaluation of air pollution interventions with school-age citizen scientists - Tiffany C Yang, UK</p>
12:15	13:45	LUNCH BREAK

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13:45	15:15	<p>ORAL PRESENTATIONS 49 Genetic and Epigenetic Studies (1) / Epidemiological Studies (1)</p> <p>Chairs: Chih-Ching Yeh (Taiwan), TBA</p> <p>OP-276 - {In vitro} DNA methylome and transcriptome analysis in human alveolar epithelial cells after long-term exposure of diesel exhaust particles - Alexandra Lukyanchuk, Japan OP-277 - Traffic-related air pollution and Parkinson's disease in central California - Beate Ritz, USA OP-278 - Global DNA methylation levels of LINE-1 in patients with leukoplakia and oral cancer - Chiao Chen Wang, Taiwan OP-279 - Thermal and optical carbon fractions for source-specific epidemiological studies - Judith C Chow, USA OP-280 - Genome-wide DNA methylation landscape associated with high arsenic exposure - Ping Ching Hsu, USA OP-281 - Assessing the Risk of Bias for Epidemiological Studies Evaluating the Association Between Long-Term Exposures to PM2.5 & All-Cause Mortality - Saumitra Rege, USA</p>
15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING
16:15	17:45	<p>ORAL PRESENTATIONS 55 Respiratory Health and Environmental Exposure (1)</p> <p>Chairs: Weeberb Réquia (Brazil), Yutong Cai (UK)</p> <p>OP-311 - Mortality trends of chronic obstructive pulmonary disease in South Korea, 1995–2021 using joinpoint regression analysis - Baek Yong Choi, Korea OP-312 - Hepatitis C Virus Antibody Positivity Strongly Associated with Prevalent Asthma - Li Han Lan, Taiwan OP-313 - The relationship between reproductive hormones and asthma-related outcomes in boys residing in the rural Western Cape - Mohamed Aqiel Dalvie, South Africa OP-314 - Long-term exposure to ambient ozone and lung function decline over 20 years in adults: The ECRHS study - Tianyu Zhao, Germany OP-315 - Association between smoke haze and respiratory clinic visits in Central Kalimantan - Vera Ling Hui Phung, Japan</p>

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DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

START	END	HALL 302 E
07:30	08:15	<p>EARLY MORNING SESSION 13 Beyond Academia: Fulfilling and exciting non-academic careers</p> <p>Chairs: Aditi Roy (USA), Ashtyn Areal (Germany)</p> <p>Gwen Collman, USA Alejandro Bañados Palma, Chile Kimberly Berger, USA Kwaku Poku Asante, Ghana</p>
10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
10:45	12:15	<p>ORAL PRESENTATIONS 40 Environmental Policies and Impact Assessment (1)</p> <p>ChairS: Ming-yeng Lin (Taiwan), Nidhi Singh (Germany)</p> <p>OP-226 - Assessing the effect of the Akoben programme on the environmental performance of mining industries in Ghana: A case study Approach - Abigail Serwaa Akoto Bawua, Ghana OP-227 - The Washington State Emergency Rule to Protect Workers from Wildfire Smoke: Assessing Stakeholder Engagement and Sentiment in Labor Policy - Lilian (ziqi) Liu, USA OP-228 - Management of waterborne diseases: an epidemiological approach for health policy analysis - Malik Shahzad Azeem, Pakistan OP-229 - What are the air pollution co-benefits of Net Zero in the UK? - Sean Beevers, UK OP-230 - The effectiveness of infection control strategies in a workplace during COVID-19 pandemic - Tzu Hsuen Yuan, Taiwan</p>
12:15	13:45	LUNCH BREAK
13:45	15:15	<p>ORAL PRESENTATIONS 50 Air Pollution and Child Health (2)</p> <p>Chairs: Sagnik Dey (India), Pi-I Debby Lin (USA)</p> <p>OP-282 - Proposing a Potential Mechanistic Link Between Early Life Air Pollution Exposure and Childhood Obesity Risk in Latinos - Elizabeth A Holzhausen, USA OP-283 - Air pollution and childhood cancer: Methodological challenges in exposure assessment for epidemiological research - Emilio Gianicolo, Germany OP-284 - Inhibitory control mediates the association between perinatal exposure to air pollution and childhood obesity: The PROGRESS cohort study - Hsiao Hsien Leon Hsu, USA OP-285 - A population-based analysis on the relationship between air pollutants, influenza infection, and acute otitis media in children - Ka Chun Chong, Hong Kong OP-286 - Prenatal residential air quality and childhood neurobehavioral diseases - A nationwide birth cohort follow-up approach - Shu Li Julie Wang, Taiwan</p>
15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING

DAILY PROGRAM

DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

16:15 17:45 ORAL PRESENTATIONS 56
Air Pollution and Maternal/Child Health (1)

Chairs: **Atsuko Ikeda (Japan), TBA**

OP-316 - Ambient air pollution in relation to ovarian reserve and oocyte quality in young, healthy oocyte donors - **Audrey J Gaskins, USA**

OP-317 - Diminished association of acute exposure to ambient pollutants and preterm premature rupture of membranes risk with the usage of facemasks - **Cheng Li, China**

OP-318 - Antioxidant Consumption as an Effect Modifier in the Association Between Air Pollution Exposure and Preterm Birth - **Miatta A. Buxton, USA**

OP-319 - Nitrate contamination in drinking water and the risk of preterm birth: Overview of a national retrospective cohort study - **Tim James Chambers, New Zealand**

OP-320 - Associations of early pregnancy air pollution with adverse birth outcomes and infant neurocognitive development - **Yingxin Chen, UK**

START END HALL 303 E

07:30 08:15 EARLY MORNING SESSION 14

Environmental health priorities, new data sources and research to practice efforts addressing heterogenous populations – perspectives from the US Centers for Disease Control and Prevention

From data to action – examples how we can achieve impact in heterogenous populations, locations, and adoption by diverse stakeholders. - **Erik Svendsen, USA**

Innovative data science approaches in environmental health - **Fuyuen Yip, USA**

CDC efforts to fill scientific gaps and inform evidence-based decision making - **Yulia Iossifova Carroll, USA**

Research to practice implications - **Justin Gerding, USA**

10:15 10:45 COFFEE BREAK & FREE POSTER VIEWING

10:45 12:15 ORAL PRESENTATIONS 41
Quality of Place (1)

Chairs: **Chih-Da Wu (Taiwan), Kenichi Azuma (Japan)**

OP-231 - Effect of home energy efficiency retrofit on indoor temperature and self-reported health: evaluation of Dublin's 'Warmth & Wellbeing' scheme - **James Milner, UK**

OP-232 - Examining the utility of the Singapore Housing Index in a Singaporean cross-sectional, population-based elderly cohort - **Jun Jie Lian, Singapore**

OP-233 - Identification of key predictors of severe annoyance caused by railway induced vibrations using machine learning: an external exposome study - **Jurriaan Hoekstra, Netherlands**

OP-235 - Household analysis of health-related indoor temperature exposure: comparison between thermal comfort and health conditions in English dwellings - **Shih-Che Hsu, UK**

OP-236 - Europe-wide road traffic noise modelling using a harmonized methodological framework (CNOSSOS-EU) - **Youchen Shen, Netherlands**

12:15 13:45 LUNCH BREAK

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13:45 15:15 ORAL PRESENTATIONS 51
Pesticides and Health Risks (1)

Chairs: **María Elisa Quinteros Cáceres (Chile), TBA**

OP-287 - Setting a baseline for human biomonitoring and epigenetic studies of pesticides in Morocco: The PaPOE study - **Aziza Menouni, Morocco**

OP-288 - Exploring the association between non-occupational pesticides exposures and metabolomics biomarkers - **Saranya Palaniswamy, Finland**

OP-289 - Evaluating the effectiveness of aerial pesticide application in reducing the risk of pesticide-related diseases - **Wei Te Wu, Taiwan**

OP-290 - Efficacy of electrolyzed water in degrading and hydrolyzing pesticides - **Yen Con Hung, USA**

15:15 16:15 COFFEE BREAK & FREE POSTER VIEWING

16:15 17:45 ORAL PRESENTATIONS 57
Occupational Health Risks (3)

Chairs: **TBA, Jinyoung Moon (Korea)**

OP-321 - Relationship of Long Working Hours and Early Chronic Kidney Disease: A Retrospective Cohort Study in Taiwan - **Hsiao Yu Yang, Taiwan**

OP-322 - The effect of hypoxia on salivary α -amylase in flight cadets - **Ke Ting Pan, Taiwan**

OP-323 - Kidney Function Affected by Heat Stress and Pesticide Exposure in Migrant Farmworkers - **Nicolas I Lopez Galvez, USA**

OP-324 - Combined effects of occupational physical activity and ambient heat on kidney function in female harvest workers in Southern Spain - **Sarah Koch, Spain**

OP-325 - Evaluation of confounding for occupational radiation exposure and cancer incidence among radiologic technologists - **Won Jin Lee, Korea**

OP-326 - Occupational and Sociodemographic Factors Influencing Pregnant Women's Awareness and Knowledge of the New York City Pregnant Workers Fairness Act - **Yueh Hsiu Mathilda Chiu, USA**

START	END	HALL 303 D
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10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
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10:45	12:15	ORAL PRESENTATIONS 42 Extreme Weather Events and Health (1)
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Chairs: **Budi Haryanto (Indonesia), Aditi Roy (India)**

OP-237 - Extreme Heat and Severe Maternal Morbidity in Southern California: Evidence of Health Disparities from a Large Pregnancy Cohort - **Anqi Jiao, USA**

OP-238 - Increasing exposures to compound wildfire smoke and extreme heat hazards in California, 2011-2020 - **Caitlin Greer Jones, USA**

OP-239 - Extreme Heat and Fertility Outcomes in Nigeria - **Cascade Tuholske, USA**

OP-240 - Exploring the Link Between Temperature and Sick Leave in Norway - **Lin Ma, Norway**

OP-241 - Attribution of extreme heat and heat-related mortality events to climate change in Europe: an integrated age- and sex-specific continental analysis - **Thessa M. Beck, Spain**

12:15	13:45	LUNCH BREAK
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DAY 4 WEDNESDAY, 20 SEPTEMBER 2023

13:45 15:15 ORAL PRESENTATIONS 52
Air Pollution and Health Effects (1)

Chairs: **Tsun-Jen Cheng (Taiwan), Kritika Anand (India)**

OP-291 - Associations of air pollution with risks of decline of kidney function: An analysis of mediation by diabetes mellitus - **Jia Ling Wu, Taiwan**

OP-292 - Ambient air pollution exposure and incidence of cataract surgery: the prospective 3City-Alienor study - **Laure Gayraud, France**

OP-293 - Short-term exposure to ultrafine particles and children's hospital admissions in Copenhagen, Denmark - **Marie Bergmann, Denmark**

OP-294 - Long-term exposure to air pollution and dementia incidence among elderly individuals of a Danish nationwide administrative cohort - **Rina So, UK**

OP-295 - Short-, Mid-, and Long-term Ambient Exposure of Ozone, Physical Activity, and Dyslipidemia: Korea National Health and Nutrition Examination Survey - **Taiyue Jin, Korea**

OP-296 - Estimation of Health Risks Caused by Metals Contained in E-cigarette Aerosol through Passive Vaping - **Wei Chung Su, USA**

OP-297 - The Associations of Exposure to Ambient PM2.5 with Hypertension, Diabetes and Multimorbidity among Floating Population in China - **Yang Zhao, Australia**

15:15 16:15 COFFEE BREAK & FREE POSTER VIEWING

16:15 17:45 ORAL PRESENTATIONS 58
Air Quality Monitoring (1)

Chairs: **Chang-Fu Wu (Taiwan), Sean Beavers (UK)**

OP-327 - A four year exposure assessment of ambient PM2.5 Concentration in Kampala, Uganda: Experiences from The Eastern Africa GEOHealth Hub - **Etajak Samuel Ebuut, Uganda**

OP-328 - The impact of secondhand smoke on air quality in partially enclosed hospitality venues: A systematic review - **Michael Tong, Australia**

OP-329 - Arsenic in Groundwater Sources from Selected Communities Surrounding Taal Volcano, Philippines: An Exploratory Study - **Sary Valenzuela, Philippines**

OP-330 - Multi-omic signatures of traffic related air pollution (TRAPs) in London - **Sibo Lucas Cheng, UK**

OP-331 - Integrating micro-air quality sensors and satellite-based measurements to establish a high spatial-temporal resolution PM2.5 model in Taiwan - **Wen Hsuan Chuang, Taiwan**

OP-332 - Air Pollution Monitor Network Design for Fair Exposure Estimation - **Zoe Haskell Craig, USA**

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START	END	HALL 303 C
10:15	10:45	COFFEE BREAK & FREE POSTER VIEWING
10:45	12:15	VIRTUAL ONLY AMERICAS (3) Chairs: Chung-Yi Li (Taiwan), Jie Chen (USA) VO-013 - Association between prenatal exposure to pesticides, individually and as a mixture, and childhood lung function in Mexican children - Cecilia S Alcala, USA VO-014 - Persistent organic pollutants in hospitalized individuals in the municipality of Petropolis, Brazil - Gina Torres Rego Monteiro, Brazil VO-015 - Quality of urban green spaces and nutritional status: an epidemiological study in an urban context using Street View technology - Julia Mariel Wirtz Baker, Argentina VO-016 - Associations of Street-View Greenspace with Incident Cardiovascular Disease in the US-based Nationwide Nurses' Health Study from 2000 to 2016 - Marcia Pescador Jimenez, USA VO-017 - Associations of Early Pregnancy Per- and Poly-Fluoroalkyl Substances Exposure with Birth Outcomes: Effect Modification by Prenatal Folate Status - Yu Zhang, USA
12:15	13:45	LUNCH BREAK
13:45	15:15	VIRTUAL ONLY AMERICAS (4) Chairs: Nicholas Osborne (Australia), Mona Dai (USA) VO-018 - Long-term exposure to fine particulate matter on cardiovascular mortality in 11 US States: A difference-in-difference analysis - Adjani Antonela Peralta, USA VO-019 - Estimating attributable deaths from short-term pollution effects using a Total Risk Index approach - Ariel Spira Cohen, USA VO-020 - Assessing Adverse Health Effects of Long-Term Exposure to Low Levels of Ambient Air Pollution: What's Next? - Hanna Boogaard, USA VO-021 - Exposure to triclosan and adolescent hormone concentrations in the Health Outcomes and Measures of the Environment Study - Hannah E Laue, USA VO-022 - Prenatal exposure to mixtures of traffic-related air pollutants and birthweight in a birth cohort - Ian Trees, USA VO-023 - Comparing wildfire smoke effects on adverse pregnancy and birth outcomes in the Western US under changing climate regimes - Meng Wang, USA VO-024 - A comparative time-series analysis and deep learning projection of innate radon risk in Canadian and Swedish residential buildings - Selim M Khan, Canada VO-025 - Incorporating Exposure Uncertainty in Estimating Causal Exposure-Response Relationships Between Long-term Exposure to PM2.5 and Cardiovascular Disease - Yaguang Wei, USA
15:15	16:15	COFFEE BREAK & FREE POSTER VIEWING
16:15	17:45	VIRTUAL ONLY EUROPE / AFRICA (4) Chairs: Lap-Ah Tse (Hong Kong), Mike He (USA) VO-057 - The impact of the new World Health Organization Air Quality Guidelines for Particulate Matter on the life expectancy in Germany - Myriam Tobollik, Germany VO-058 - Long-term exposure to air pollution and noise, and cardiovascular biomarkers - Sara Allaouat, Finland VO-059 - Domestic use of pesticides during adulthood and risk of testicular germ cell tumors: a French nationwide case-control study - Séphora Campoy, France VO-060 - Longitudinal associations between prenatal exposure to phthalates and steroid hormones in maternal hair samples from the SEPAGES cohort - Vicente Mustieles, Spain VO-061 - Associations between perinatal urban environment and children cardiometabolic health phenotypes at age 5 years - Wen Lun Yuan, France

DAILY PROGRAM

DAY 5 THURSDAY, 21 SEPTEMBER 2023

START END HALL 301 A

08:30 09:15 **ISEE JOHN GOLDSMITH AWARD LECTURE**
Chair: **Adetoun Mustapha, Nigeria**

Francine Laden, USA

09:15 10:00 **KEYNOTE LECTURE 7**
Chair: **Sagnik Dey**

Progress on Protecting Maternal and Child Health from Environmental Contaminants
Jun Jim Zhang, China

10:00 10:30 COFFEE BREAK

10:30 12:00 **ORAL PRESENTATIONS 59**
Heavy Metals, Chemical Compounds and Health Outcomes (2)

Chairs: **TBA, Gyeyoon Yim (USA)**

OP-333 - Arsenic Exposure and Accelerated Aging: The Association with Cardiovascular Disease and All-Cause Mortality in the Strong Heart Study - **Arce Domingo, Spain**

OP-334 - Systematic review of lead (Pb) effects on social cognition and autism - **Haesoo Kim, USA**

OP-335 - Influence of folate+B12 supplementation on arsenic methylation: A double-blinded, placebo-controlled trial in Bangladeshi children - Irene **Martinez Morata, USA**

OP-336 - Urine Cadmium Levels and Coronary Artery Calcification: A Longitudinal Study in the Multi-Ethnic Study of Atherosclerosis (MESA) - **Katlyn E McGraw, USA**

OP-337 - Environmental arsenic exposure, hypertension, and diabetes mellitus: a systematic review and dose-response meta-analysis - **Kim R. Van Daalen, Spain**

OP-338 - Exposure to airborne polychlorinated biphenyls and risk of uterine leiomyomata, endometriosis, and PCOS: a register-based Danish cohort study - **Sandra S Tøttenborg, Denmark**

12:00 12:30 **SNRN AWARDS CEREMONY & CLOSING**

START END HALL 301 B

10:30 12:00 **ORAL PRESENTATIONS 60**
Air Pollution and Mortality (4)

Chairs: **Ta-Yuan Chang (Taiwan), Ruth Etzel (USA)**

OP-339 - The Association Between Particulate Air Pollution and the Risk of Sudden Death in Patients on Maintenance Hemodialysis: A Case-Control Study - **Chien Fong Huang, Taiwan**

OP-340 - Retrospective exposure assessment for a longitudinal study of ultrafine particles (UFP) and mortality - **Doug Brugge, USA**

OP-341 - Impact of air pollution on mortality during the COVID-19 pandemic in South Korea and Japan - **Hyewon Yun, Korea**

OP-342 - Long-term exposure to PM_{2.5} and all-cause mortality in India using a Difference in Difference approach - **Suganthi Jaganathan, Sweden**

OP-343 - PM_{2.5}, locally generated pollution and daily mortality in India: Causal analyses modelling and attributable deaths in 10 cities - **Suganthi Jaganathan, Sweden**

DAILY PROGRAM

DAY 5 THURSDAY, 21 SEPTEMBER 2023

START END HALL 304 A

10:30 12:00 ORAL PRESENTATIONS 61
Indoor Air Quality (1)

Chairs: **TBA, Hsing Jasmine Chao (Taiwan)**

OP-344 - A pilot study to determine the impact of prescribed burns on indoor air quality and associated health impacts for residents - **Dwan Vilcins, Australia**

OP-345 - Environmentally persistent free radicals in household dust: longitudinal and seasonal trends - **Dwan Vilcins, Australia**

OP-346 - Determinants of indoor air pollution health literacy among adults in Taiwan - **Jia-Ling Wu, Taiwan**

OP-347 - Validation of Computational Fluid Dynamics Models in Predict Domestic Kitchen Hood Performance - **Pei Yu Fan, Taiwan**

OP-348 - Assessing the Impact of Household Energy Transition on Winter Indoor Air Quality in Rural Beijing, China: Field Evidence and Implications - **Xiaoying Li, Canada**

OP-349 - The Use of Kitchen Exhaust Hoods with Different Capture Efficiency in an Open Kitchen in Taiwan - **Yu Kang Liu, Taiwan**

START END HALL 304 B

10:30 12:00 ORAL PRESENTATIONS 62
Air Pollution and Health Effects (2)

Chairs: **Pei-Chen Lee (Taiwan), Katlyn E. McGraw (USA)**

OP-350 - Air pollution and health burden of urban fire disaster: A case study from tire factory fire in Korea - **Changwoo Han, Korea**

OP-351 - Air Pollutants and Long-term Kidney Function Changes in Chronic Kidney Disease: Results from Southern Taiwan - **Cheng Yin Chung, Taiwan**

OP-352 - Hazard and risk assessment for indoor air pollutants: alicyclic compound, 1-butanol, long-chain aldehydes, chlorinated organic compounds, and acrolein - **Kenichi Azuma, Japan**

OP-354 - Association between exposure to fine particulate matter and risk of osteoporosis - **Pei Xuan Qiu, Taiwan**

OP-355 - Air pollution and cognitive impairment among the Chinese elderly population: A Nationwide cohort study - **Qingyang Zhu, USA**

DAILY PROGRAM

DAY 5 THURSDAY, 21 SEPTEMBER 2023

START END HALL 302 A

10:30 12:00 ORAL PRESENTATIONS 63
Mental Health and Environmental Factors (3)

Chairs: **Shi-heng Wang (Taiwan), TBA**

OP-356 - Spatio-temporal trends of carbon monoxide poisoning suicide attempts and associated risk factors in England between 2002 and 2016 - **Aina Roca Barceló, UK**

OP-357 - The effect of social and physical environment on mental health among elderly population; comparison between pre- and during COVID-19 pandemic - **Kyung Shin Lee, Korea**

OP-358 - The association between work and residential location and depressive symptoms during the COVID-19 pandemic in Hong Kong - **Lap Ah Tse, Hong Kong**

OP-359 - Advancing GREencare in Europe: a multi-scalar approach to improve Mental health Equity (the GreenME project) - **Margarita Triguero Mas, Spain**

OP-360 - The association of ambient temperature with depression in elderly women: a cross-sectional study from Germany - **Nidhi Singh, Germany**

OP-361 - Associations between air pollution, road traffic noise and incidence of dementia in the Danish Nurse Cohort - **Stéphane Tuffier, Denmark**

START END HALL 302 B

10:30 12:00 ORAL PRESENTATIONS 64
Chemical Exposure and Child Health (1)

Chairs: **Ming-Tsang Wu (Taiwan), Yukiko Nishihama (Japan)**

OP-362 - Gender specific differences in house dust and dietary exposures to lead in preschool children - **Chi Sian Kao, Taiwan**

OP-363 - The association among organophosphate pesticide exposure, genetic polymorphisms and methylation of paraoxonases I in children with ADHD - **Chia Huang Chang, Taiwan**

OP-364 - Determining Subpopulations of Children with Multiple Health Outcomes using Unsupervised Clustering and Examining Associations with Prenatal Phthalates - **Drew B Day, USA**

OP-365 - Exposure to polychlorinated biphenyls (PCBs) and cognitive development of pre-school aged children - **Lucia Fábelová, Slovakia**

OP-366 - Exposures, investigations, and outcomes for children with elevated blood lead reported to Health Protection Teams in England, 2014-2022 - **Mona Dave, UK**

OP-367 - Children's exposure to DEHTP, DINCH and DEHA: Results from the Hokkaido Cohort Study - **Rahel Mesfin Ketema, Japan**

DAILY PROGRAM

DAY 5 THURSDAY, 21 SEPTEMBER 2023

START END HALL 303 A

10:30 12:00 ORAL PRESENTATIONS 65
Occupational Health Risks (2)

Chairs: **Andreas Seidler (Germany), Fan-Yun Lan (Taiwan)**

OP-368 - Patterns of occupational exposure to disinfectants and cleaning products among healthcare workers: the CONSTANCES cohort - **Bakari Ibrahim, France**

OP-369 - Amyotrophic lateral sclerosis survival and occupational lead exposure in the Danish National Patient Registry - **Ian W Tang, USA**

OP-370 - Night shift work and female breast cancer: a two-stage dose-response meta-analysis for the correct risk definition - **Jinyoung Moon, Korea**

OP-371 - Investigation of Mask Protection Efficiency and associated Respiratory Deposition in Occupational Aerosol Exposure for Dental Hygienists - **Wei Chung Su, USA**

OP-372 - Noise exposure and acute changes to monitored heart rate among electronic-waste recycling workers - **Xin Zhang, USA**

OP-373 - Impact of occupational heat exposure on blood lipids among petrochemical workers: An analysis of 9-year longitudinal data - **Yifeng Chen, China**

START END HALL 303 C

10:30 12:00 **VIRTUAL ONLY AMERICAS (5)**

Chairs: **Hsiao-yu Yang (Taiwan), Diego Fano-Sizgorich (Peru)**

VO-026 - Extreme heat exposure and spontaneous abortion: A case-crossover study - **Amelia K Wesselink, USA**

VO-027 - “{“Imputation of missing data in long term air pollution exposure”}” - **Astrid Berena Herrera Lopez, Colombia**

VO-028 - Socio-spatial profiles of health transition in Argentina: exploring social inequalities in preventive practices for breast and cervical cancer - **Daiana Sarmiento, Argentina**

VO-029 - Heat-Wave and Cold-Spell Acclimation Analysis by Physical and Cognitive Functions among an Advanced Age Cohort in China - **Di Xi, China**

VO-030 - Survival effects of delays on treatment initiation and conclusion in a cervical cancer hospital-based cohort of a developing country - **Ilce Ferreira Da Silva, Brazil**

VO-031 - Herbal medication and gout in a population of former sugarcane workers with elevated risk of chronic kidney disease - **Jennifer Ko, USA**

VO-032 - Associations of Exposure to Urinary Metals with Kidney Injury Biomarkers among Pre-adolescent Children: A Cross-Sectional Study - **Maria José Rosa, USA**

VO-033 - Health impact analysis of source-apportioned air pollution changes in New York City, 2005-2015 - **Masha Pitiranggon, USA**

VO-034 - How would emission-reductions in Justice40 locations reduce racial-ethnic disparities in air pollution exposure? - **Yuzhou Wang, USA**

SOCIAL PROGRAM

Welcome Reception

Date : Sunday, September 17, 2023

Time : 17:30-19:30

Location : Kaohsiung Main Public Library (61, Xinguang Road, Qianzhen District, Kaohsiung City, Taiwan)

Notice : Please proceed to the Kaohsiung Exhibition Center for registration before heading to the Welcome Reception venue.



Night Scene of Main Library of Kaohsiung Municipal Library by HSU CHEN HUANG is licensed under CC BY-NC-SA 4.0

Kaohsiung Main Public Library

Located in the Asia New Bay Area of Kaohsiung City, the Kaohsiung Main Public Library captures the attention of the public and the cultural community. With its bright and permeable spatial design, it offers a brand-new reading experience.

Welcome Reception Program

17:30-18:00 Welcome Reception and New Members Networking Event

18:30-19:10 Choral Performance by the Liugui Choral Group (18:30-18:50)
Established after the devastation of Typhoon Morakot in 2009, the choir blends diverse ethnic musical elements, including indigenous, Minnan, and Hakka influences, and has adapted numerous indigenous folk songs. They are a dominant force in domestic choral competitions.

Symphony Concert by the Kaohsiung Medical University String Orchestra (18:50-19:10)
The String Club of Kaohsiung Medical University began in March 1978. Their repertoire is highly diverse. In addition to classical and theatrical music, modern music and movie soundtracks are also frequently performed. They've won numerous National Student Competition of Music awards to date.

19:30 Event Concludes

SOCIAL PROGRAM

SNRN Event

Date : Tuesday, September 19, 2023
Time : 17:40-21:30
Departure : Kaohsiung Exhibition Center, Kaohsiung City, Taiwan
Final Destination : Sunset Bar on Qijin Island, Kaohsiung City



Cijin Island - image from Kaohsiung Travel

Cijin (Qijin)

Just in time for the sunset, we will embark with the ferry to Qijin (Cijin) Island, a popular island located just off the shore of Kaohsiung. We will gather in front of the Conference Center (exit between W1 and W2) and leave from there at 17:45 sharp on September 19 to go with the ferry to Cijin island. Please be at the meeting point at 17:40.

Once on the island, we will have the opportunity to indulge in the delicious local cuisine available from the rustic traditional eateries and abundant snack shops on Old Street. From there we will make a move to the laid-back Sunset Bar to enjoy some food and drinks. The food and some selected drinks at the Sunset Bar will be sponsored by SNRN.

Don't miss out on this exciting chance to explore Kaohsiung, experience the local culture, network and to enjoy the company of your peers in a relaxed and inviting ambiance.

SOCIAL PROGRAM

Conference Dinner

Date : Wednesday, September 20, 2023

Time : 19:30-22:30

Location : Kaohsiung Exhibition Center (39, Chenggong 2nd Road, Qianzhen Dist., Kaohsiung 806, Taiwan, ROC)



Kaohsiung Exhibition Center

Opened in 2014, the Kaohsiung Exhibition Center (KEC) is the first multifunctional waterfront venue operated by the Interplan Group.

ISEE 2023 AWARDS

Best Environmental Epidemiology Paper Award



This ISEE annual award for the best environmental epidemiology paper published in a peer-reviewed journal aims to recognize excellence in the field of environmental epidemiology and encourage the publication of outstanding papers.

Massimo Stafoggia

“Long-term exposure to low ambient air pollution concentrations and mortality among 28 million people: results from seven large European cohorts within the ELAPSE project,” *The Lancet Planetary Health*

Rebecca James Baker Award – Honorable Mention



This award was created in memory of Dr. Rebecca Baker, a young investigator with a commitment to environmental epidemiology as a tool for improving public health and quality of life. She worked on many international studies with people from different cultures and backgrounds, and was an active member in the Society. She passed away in 2004. The award is given to new investigators who embody her approach to epidemiological research.

Arbor Quist

Rebecca James Baker Award 2023 Recipient



Barrak Alahmad

Tony McMichael Mid-Term Career Award 2023 Recipient



This award was created in Dr Tony McMichael's memory to recognize mid-career scientists. Tony, who passed away in 2014, was a world-renowned epidemiologist known not only for his scientific work, but also for his compassionate mentoring of junior colleagues. He was President of ISEE from 2008-2009.

Marianthi-Anna Kioumourtoglou

ISEE 2023 AWARDS

ISEE Fellows 2023 Recipients

The ISEE Fellow designation provides recognition of long-term ISEE members in their achievements as environmental epidemiologists impacting research, training, community engagement, translation, or policy.



Michael Abramson



Narges Khanjani



Ho Kim



Adetoun Mustapha

LMIC Best Abstract Award



Yetunde Adeniyi
"Impact of exposure to PM2.5 in household air pollution on child neurocognitive development at seven years of age," Africa Chapter



Siddhartha Mandal
"Long-term exposure to PM2.5 associated with decline in kidney function in a large urban cohort in two Indian cities," Asia & Western Pacific Chapter

John Goldsmith Award for Outstanding Contributions to Environmental Epidemiology 2023 Recipient



This award was created to honor the legacy of Dr John Goldsmith (passed away 1999), one of the organizers, early leaders, and constant supporter of the International Society for Environmental Epidemiology. This award is given to investigators for "sustained and outstanding contributions to the knowledge and practice of environmental epidemiology." Recipients have typically contributed in substantive and innovative fashion to the methods and practice of epidemiology over many years.

Francine Laden

POSTER PRESENTATIONS

FREE POSTERS

MONDAY, 18 SEPTEMBER 2023

FP-001	Health Risk Characterization due to Organochlorine Pesticide Exposure, in Women from Northern Mexico	Alma Carolina Rincón Rubio (Mexico)
FP-002	Wildfires and the changing landscape of air pollution-related health burden in California	Ana G Rappold (United States)
FP-003	Factors that Influence Risk Perception of Wildfires: A Systematic Review	Anqi Jiao (United States)
FP-004	A Comparison between Short-Term Respiratory Effects of Wildfire-Related Particulate Matter and Non-Wildfire Particulate Matter: A Systematic Review	Anqi Jiao (United States)
FP-005	The Association of Children's Blood Lead Levels and Prevalence of Stunting in Tin Mining Area in Indonesia	Budi Haryanto (Indonesia)
FP-006	The Environmental Surveillance in Medical Center During the SARS-CoV-2 Omicron Variant Pandemic	Chang Chuan Chan (Taiwan)
FP-007	Characterizing Winter Weather Patterns and Pollution Sources of PM _{2.5} in Taipei City	Changfu Wu (Taiwan)
FP-008	Health Risk Analysis of Air Pollution and Related Risk Factors on Residents Living near a Power Plant in Central Taiwan	Chen Jia Fen (Taiwan)
FP-009	The association between dietary intake, indoor environmental status, and urinary cadmium levels in a nationwide representative sample in Taiwan	Chi Chang Ho (Tanzania)
FP-010	Epidemiology of Sudden Unexplained Death Syndrome among Southeast Asian Labor in Taiwan	Meng-Chih Lee (Taiwan)
FP-011	Aristolochic Acid and the Risk of Female Lung Cancer: Population-Based Case-Control Study	Chi Jen Chen (Taiwan)
FP-012	Evaluation of sinonasal outcome test (SNOT-22) domains in the assessment of the quality of life in patients with nasopharyngeal carcinoma	Ching Nung Wu (Taiwan)
FP-013	Early-life exposure to residential black carbon and childhood cardiometabolic health	Chloe Friedman (United States)
FP-014	Burden of cardiovascular disease attributable to long-term exposure to ambient PM _{2.5} concentration and interim target for regulation level	Chu Chih Chen (Taiwan)
FP-015	Visualizing the Invisible: How Digital Images Reveal the Impact of Surface Mold on Airborne Fungal Levels	Chun Chieh Tseng (Taiwan)
FP-016	Risk of death from liver cancer in relation to long-term exposure to fine particulate air pollution in Taiwan	Chun Yuh Yang (Taiwan)
FP-017	Citywide wastewater SARS-CoV-2 concentration predicts the epidemic curve in Taipei City, Taiwan	Chung Yen Chen (Taiwan)
FP-018	Spatial-temporal distribution of Alzheimer's diseases and dementia and the risk factors: A global Study	Cui Guo (Hong Kong)
FP-019	Challenges for the exposure assessment of ambient temperature in longitudinal cohort studies	Diego Fano Sizgorich (Peru)
FP-020	Development and Application of Health Measurement Tools and Protocols for Forest Therapy Program through Pilot Test and Qualitative Analysis	Hae Ryoung Chun (South Korea)

POSTER PRESENTATIONS

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|---------------|--|---|
| FP-021 | Comparison of malnutrition levels among adolescents in urban slums of Mumbai in pre and post-COVID-19 times | Harish Chandra Phuleria (India) |
| FP-022 | Public behavior and awareness of mask litter as microplastic source in KOREA | Heekyung Bae (South Korea) |
| FP-023 | Validity of a Low-cost Particle Sensor to Assess Real-time Indoor PM2.5 Exposure | Hsiao Hsien Leon Hsu (United States) |
| FP-024 | Developing Screening Tools for Work-related Cases: Taking Lumbar Disc Herniation for Example | Hsu-Li Huang (Taiwan) |
| FP-025 | Using the Health Belief Model to Explore the Influencing Factors of Occupational Hazard Prevention of Indigenous Laborers in Taiwan | Hung Ching I (Taiwan) |
| FP-026 | Temporal variability of nickel levels using repeated biomonitoring data | Jae Hee Min (South Korea) |
| FP-027 | sleep hours and changes in cognitive function considering the morningness-eveningness type | Ji Eun Park (South Korea) |
| FP-028 | Air pollution exposure and longitudinal changes in pulmonary function in adults: A community-based cohort study in Korea | Ji Ye Jung (South Korea) |
| FP-029 | The improvement of indoor air in households of asthma patients through air purifier in industrial city | Jia Lin Zhang (Taiwan) |
| FP-030 | A high-throughput LC-MS Method for Urinary Transportation- and Petrochemical-Related VOC Metabolites as Biomarkers for Exposure Assessment | Jing Fang Hsu (Taiwan) |
| FP-031 | Night-shift work and prostate cancer: a two-stage dose-response meta-analysis for the correct risk definition | Jinyoung Moon (South Korea) |
| FP-032 | Night shift work and colorectal cancer: a two-stage dose-response meta-analysis for the correct risk definition | Jinyoung Moon (South Korea) |
| FP-033 | Heat Related Mortality Burden during the Record-Breaking Summer 2022 in Europe: An Integrated Continental Analysis | Joan Ballester (Spain) |
| FP-034 | DNA methylation associated with Cadmium exposure among the residents near vulnerable area | Jung Yeon Kwon (South Korea) |
| FP-035 | Neighbourhood and household level socio-economic status and its association with air pollution exposure in Indian cities | Jyothi S Menon (India) |
| FP-036 | Exposure to inorganic arsenic and hypertension among non-diabetic Mexican women | Karla Fabiola Rangel Moreno (Mexico) |
| FP-037 | Gender and geographical representation in editorial boards publishing in environmental sciences and public health: challenging the "old boys club" | Kim R. Van Daalen (Spain) |
| FP-038 | Coal Production Trends and Black Lung Disease Incidence Rate In Indonesia, 2013-2021 | Kurnia Ardiansyah Akbar (Indonesia) |
| FP-039 | Decoding the Impact of Particulate Matter on Metabolic Pathways: A Systematic Review of Toxicological and Epidemiological Studies | Lauren Lopez (United States) |
| FP-040 | Inventory in ABCD mode Community Assets of Sanmin District, Kaohsiung City for Google Maps | Li Ling Chen (Taiwan) |
| FP-041 | Estimation of Burden of Abestos Related Cancers in Taiwan | Lukas Jyuhn Hsiarn Lee (Taiwan) |
| FP-042 | Predictability assessment of the first continental heat-cold-health early warning system: new avenues for human health forecasting | Marcos Quijal Zamorano (Spain) |

POSTER PRESENTATIONS

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|---------------|--|--|
| FP-043 | Linking the health of women and non-binary residents during Covid-19 pandemic to public spaces with natural elements, gentrification and touristificat | Margarita Triguero Mas (Spain) |
| FP-044 | Perceived urban ecosystem services and disservices in gentrifying neighborhoods: Contrasting views between community members and state informants | Margarita Triguero Mas (Spain) |
| FP-045 | Spatial distribution of arsenic in environmental matrices and its relationship with the urinary arsenic concentration in pregnant women from Arica | María Pía Muñoz (Chile) |
| FP-046 | Association between labor epidural analgesia and autistic traits among Japanese children: evidence from Hamamatsu Birth Cohort for Mother and Child | Md. Shafiur Rahman (Japan) |
| FP-047 | Association between polymorphisms of one-carbon metabolism genes and oral cancer risk | Ming Jang Su (Taiwan) |
| FP-048 | Problems experienced during case investigations for children with elevated blood lead reported to Health Protection Teams in England, 2014-2021 | Mona Dave (United Kingdom) |
| FP-049 | Maternal occupation and stillbirths in São Paulo, Brazil – FetRisks study preliminary findings | Rafael Junqueira Buralli (Brazil) |
| FP-050 | Liver on Fire? Exposure to PFAS and PAHs in Relation to Liver Function and Serum Lipids in Firefighters (CELSPAC-FIREexpo study) | Nina Pálešová (Czech Republic) |
| FP-051 | Associations of Local Climate Zones with cardiovascular disease: findings from the US-based Nationwide Nurses' Health Study from 2000 to 2016 | Pi I Debby Lin (United States) |
| FP-052 | Long-term quality-of-care score for predicting the occurrence of heart failure in patients with type 2 diabetes mellitus | Pi I Li (Taiwan) |
| FP-053 | The association between indoor workplace environment and heart rate variability in office workers of an information service company | Ping Ju Hsieh (Taiwan) |
| FP-054 | Microplastics and Autism: A plausible link | Ramel A Carlos (Guam) |
| FP-055 | The Need of Customized Air Quality index for Environmental Diseases | Se Hwa Hong (South Korea) |
| FP-056 | Paternal age and risk of epilepsy in the offspring: A population-based multi-generation and sibling comparison study in Taiwan | Shi Heng Wang (Taiwan) |
| FP-057 | Living in Proximity to Petrochemical Industrial Parks and Risk of Major Depression Disorder in Adults | Shih Chun Pan (Taiwan) |
| FP-058 | Association between changes in short-term air pollution and circulatory and respiratory death | Tae Hwa Go (South Korea) |
| FP-059 | Profile of High-Risk Silicosis Industries in Taiwan---A Nationwide Analysis from 2004 to 2020 | Tingyao Su (Taiwan) |
| FP-060 | A Comprehensive Review on Social Inequalities and Pregnancy Outcome-Identification of Relevant Pathways and Mechanisms | Valentin Simoncic (France) |
| FP-061 | A Comprehensive Review on Social Inequalities and Pregnancy Outcome-Identification of Relevant Pathways and Mechanisms | Valentin Simoncic (France) |
| FP-062 | Risk assessment of plumbum for rice products in Taiwan | Wen Chao Ho (Taiwan) |
| FP-063 | Dietary Supplement Use and Self-Reported Symptoms among Adults Real-Time Chain Polymerase Reaction (RT-PCR) Tested for Coronavirus 2019 (COVID-19) | Wendy N Nembhard (United States) |

POSTER PRESENTATIONS

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|---------------|---|---|
| FP-064 | Socioeconomic and regional disparities in of mortality burden long-term exposure to NO ₂ above the new WHO air quality guideline | Yang Zhao (Australia) |
| FP-065 | The association between air pollution exposure and incident nonalcoholic fatty liver disease in a Taiwan cohort | Yi Chuan Chen (Taiwan) |
| FP-066 | Indoor air dust levels of polybrominated diphenyl ethers and polybrominated dioxins/furans (PBDD/Fs) at the Southern Taiwan Drug Administration | Yi Hung Lin (Taiwan) |
| FP-067 | Polybrominated diphenyl ethers and polybrominated dibenzo-p-dioxins/furans in Taiwanese pharmacies | Yi Hung Lin (Taiwan) |
| FP-068 | Air Pollution Reduction and Brain Aging among Older Adults: a Community-Based Cohort study in Taiwan | Ying Cen Lin (Taiwan) |
| FP-069 | Preterm birth and term low birth weight associated with wildfire PM _{2.5} : a cohort study in New South Wales, Australia | Yiwen Zhang (Australia) |
| FP-070 | Association of short-term exposure to ozone with daily records of nasal and respiratory symptoms in adolescents | Yoshiko Yoda (Japan) |
| FP-071 | Real-time Feedback System for High Quality Cardiopulmonary Resuscitation Training with the AI Technology | Yu Tse Tsan (Taiwan) |
| FP-072 | ITIH4 involved in Hippo signaling pathway-regulated apoptosis on type 2 alveolar epithelial cells of acute respiratory distress syndrome | Yu Xuan Shih (Taiwan) |
| FP-073 | Effects of Long-Term Exposure to Air Pollutants on the Renal Function of Patients with Type 2 Diabetes | Yue Leon Guo (Taiwan) |
| FP-074 | Association between dry eye disease and intraocular pressure in adults: Korean National Health and Nutrition Examination Survey 2010-2012 analysis | Yun Hee Choi (South Korea) |
| FP-075 | The association between sodium intake assessed by 24-h urinary sodium excretion and nonalcoholic fatty liver disease in Koreans | Yun Jung Yang (South Korea) |
| FP-076 | Artificial Stone Associated Silicosis in Taiwan: A Systematic Review of Case Reports | Yu-Tai Hsiao (Taiwan) |
| FP-077 | The novel terminology "discernible" undiscerned Conclusions: A Critical Review of UNSCEAR 2020/21 Fukushima Report 2 | Yutaka Hamaoka (Japan) |
| FP-079 | Indoor Pollution Emission Characteristics of Air Fryer and the Influence of PM _{2.5} Toxicity on The Development of Caenorhabditis Elegans | Zhan Yu Huang (Taiwan) |
| FP-241 | Emission characteristics of condensable and filtration PM _{2.5} from coal-power and steel plants | Chien Cheng Jung (Taiwan) |
| FP-242 | Surveillance of zoonotic infectious diseases in wildlife, the advance of Taiwanese rabies surveillance based on WOAHP twinning project for rabies | Ai Ping Hsu (Taiwan) |
| FP-243 | Association between environmental factors and dengue incidence in the Lao People's Democratic Republic: a nationwide time-series study | Yoonhee Kim (Japan) |
| FP-244 | Prenatal exposure to per- and polyfluoroalkyl substances and adverse pregnancy outcomes | Ram Chandra Siwakoti (United States) |
| FP-245 | Association among endocrine-disrupting chemicals, metabolic syndrome, and non-alcoholic fatty liver disease in adolescents and adults | Bomi Park (South Korea) |
| FP-257 | A deep learning model for predicting particulate matters based on ammonia concentration in livestock farming areas | Sungchul Seo (Korea) |

POSTER PRESENTATIONS

TUESDAY, 19 SEPTEMBER 2023

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|---------------|--|--|
| FP-080 | Derivation of sex and age-specific reference intervals for clinical chemistry analytes in healthy Ghanaian adults | Abigail Serwaa Akoto Bawua (Ghana) |
| FP-081 | Ambient arsenic concentration is associated with hepatocellular carcinoma incidence and differential effects exist among race/ethnicity and sex groups | Abiodun O Oluyomi (United States) |
| FP-082 | Mixture effects of particle components on Parkinson's disease in adults ages 40+ in the United States from 2000 to 2016 | Bryan N Vu (United States) |
| FP-083 | The relation between air pollution exposure and breast cancer risk: a case-control study in Taiwan | Chen Lee (Taiwan) |
| FP-084 | Assessing the Relationship Between Persistent Organic Pollutants in Adipose Tissue and Female Breast Cancer Risk in Taiwan: A Prioritization Study | Chi Jen Chen (Taiwan) |
| FP-085 | Assessment of indoor air pollutants exposure of the commuters on the platform in Taipei mass rapid transit | Chi Yun Chu (Taiwan) |
| FP-086 | Comparison of Risks of Major Adverse Cardiovascular Events and Mortality in patients with Deep Vein Thrombosis and Pulmonary Embolism | Chia Ming Chang (Taiwan) |
| FP-087 | Suicide Risk Among Low-Income Household Members Suffering From Depression: A Population-Based Retrospective Cohort Study | Chieh Sung (Taiwan) |
| FP-088 | Association between low-density cholesterol and its related risk factors among young workers in southern Taiwan | Chien Yuan Huang (Taiwan) |
| FP-089 | Prenatal Phthalate Exposure Modifies the Genetic Impact on IQ | Chueh Chun Yeh (Taiwan) |
| FP-090 | Preliminary investigations on the mental health impact of socio-economic and living environment characteristics in residents of informal housing | Crystal Ying Chan (Hong Kong) |
| FP-091 | Mapping of Exposure Scenarios from Industrial Combustion Facilities to Health Outcome through Systematic Review | Dahee Han (South Korea) |
| FP-092 | Particle exposure and cytotoxicity assessment of indoor air pollution from cooking emissions in a low-income home | Eliani Ezani (Malaysia) |
| FP-093 | Assessment of Household Air Pollution Exposure in Kampala Capital City, Uganda | Etajak Samuel Ebuut (Uganda) |
| FP-094 | Association between organophosphate flame retardant exposure and lipid metabolism: Data from the 2013-2014 National Health and Nutrition Examination S | Fu Jen Cheng (Taiwan) |
| FP-095 | The effects of extreme temperature exposure on gestational diabetes mellitus and hypertension | Hae Ji Han (South Korea) |
| FP-096 | Association of short term Particulate matter (PM 2.5) exposure with cardio-respiratory outpatient visits in secondary hospital in North India | Harshal Ramesh Salve (India) |
| FP-097 | Nutrition, a crucial environmental factor of mental health outcome among nurses | Hiu Yu Natalie Tang (Hong Kong) |
| FP-098 | Maternal Exposure to Potentially Toxic Metals and Birthweight: preliminary results of the DSAN-12M birth cohort in the Recôncavo Baiano, Brazil | Homegnon Antonin Ferreol Bah (Brazil) |
| FP-099 | Prenatal exposure to perfluoroalkyl substances and liver injury in 21 year-old adolescents: The Taiwan Maternal and Infant cohort study | Hui Chen Wu (United States) |

POSTER PRESENTATIONS

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| FP-100 | Analysis of Cardiovascular and Respiratory System Diagnosis Results of Some Secondary Battery Workers in Korea | Hwayeon Lee (South Korea) |
| FP-101 | Exploration of high concentration areas of fine dust and biomonitoring for volatile organic compounds among the residents | Hyun Ji Ju (South Korea) |
| FP-102 | Natural hazards and critical infrastructure in the United States | Jeonggyo Yoon (United States) |
| FP-103 | Associations between Fine Particulate Matter Composition and Sources with Adverse Health Effects: A Systematic Review and Meta-Analysis | Jeonggyo Yoon (United States) |
| FP-104 | Long-term PM _{2.5} exposure and urticaria, allergic conjunctivitis, and allergic rhinitis in national longitudinal cohort | Ji Hyen Lee (South Korea) |
| FP-105 | Temperature Variation, Ambient PM _{2.5} , and All-cause Mortality: A Longitudinal Cohort | Jinjian Chen (Hong Kong) |
| FP-106 | A propensity score analysis of the relationship between exposure to RF-EMF during pregnancy and birth outcomes | Jonghyuk Choi (South Korea) |
| FP-107 | Tall stature and the combination risk on kidney damage with overweight and lifestyle among the diabetic population | Jou Yin Chen (Japan) |
| FP-108 | Association between particulate matter 2.5 and menopause in Korean women | Joyce Mary Kim (South Korea) |
| FP-109 | Projection of Dengue Fever Infection Under Climate Change: A Modelling Study | Ka Chun Chong (Hong Kong) |
| FP-110 | Impact of ambient temperature, air pollutants, and seasonal influenza on febrile seizure in children | Ka Chun Chong (Hong Kong) |
| FP-111 | Integrating Aerosol Optical Depth, Land Use Regression, and XGBoost to Estimate the Spatial Variation of Ions in PM _{2.5} across Taiwan | Kang Lo (Taiwan) |
| FP-112 | Associations of persistent organic pollutants (POPs) with diabetes in women from the Hispanic Community Health Study/ Study of Latinos (HCHS/SOL) | Konstantina Tsintsifas (United States) |
| FP-113 | Gender differences in blood cadmium concentrations of fishers living near thermal power plants | Mi Ji Kim (South Korea) |
| FP-114 | Protocol for cross-sectional study of environment factors and spatial distribution of hypertension control status in Putrajaya | Mohd Zulfadli Nasir (Malaysia) |
| FP-115 | Hourly PM _{2.5} exposure and ischaemic heart diseases onset in Central Taiwan | Mu Jean Chen (Taiwan) |
| FP-116 | The influence of farming activities of paddy rice cultivation on PM _{2.5} pollution and the incidence of allergic symptoms | Nai Tzu Chen (Taiwan) |
| FP-117 | The association between long-term exposure to ambient coarse particulate matter and mortality among dialysis patients: a nationwide cohort study | Pau Chung Chen (Taiwan) |
| FP-118 | The Role of Inpatients and Caregivers in a Hospital Falls Prevention Education Program in a Regional Teaching Hospital in Taiwan | Pei Rung Tsai (Taiwan) |
| FP-119 | Work-related and personal factors in musculoskeletal disorders among elderly hospital cleaning workers | Po Ching Chu (Taiwan) |
| FP-120 | Significant impacts of humid heat stress on city-level human mortality | Qiang Guo (Japan) |
| FP-121 | A nationwide analysis of college and university campus wastewater based epidemiology practices in response to coronavirus disease 2019 | Raeann Leal (United States) |

POSTER PRESENTATIONS

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| FP-122 | EC/OC-Analysis coupled to Photoionization Mass Spectrometry: A novel approach to the composition of particular matter for epidemiological studies | Ralf Zimmermann (Germany) |
| FP-123 | Mixture analysis of serum organochlorine pesticides concentrations and breast cancer in women from Northern Mexico | Rodrigo Ugalde Resano (Mexico) |
| FP-124 | Seasonal Variations in Mortality Risk Associated with Ozone Concentrations in Tokyo, Japan | Satbyul Estella Kim (Japan) |
| FP-125 | Seasonal Differences in Indoor Exposure to PM _{2.5} and Household Characteristics in Patients with Idiopathic Pulmonary Fibrosis | Seokmin Ji (South Korea) |
| FP-126 | Analysis of the mortality rate of pancreatic cancer under multiple exposures to air pollution and diet | Shu Yi Wang (Taiwan) |
| FP-127 | The impact of indoor microbiome on allergic diseases in preschool children | Ssu Yin Chen (Taiwan) |
| FP-128 | Causal association of particulate matter air pollution (pm ₁₀) on liver cancer: Using Multivariable Mendelian Randomization | Suhyun Lee (South Korea) |
| FP-129 | Cooking fuel during pregnancy, PM _{2.5} Exposures and birth outcomes of babies in Kalutara Children's Health Study | Sumal Nandasena (Sri Lanka) |
| FP-130 | Effect of Ambient Air Pollution on Years of Life Lost from Deaths due to External Causes in Seoul, South Korea | Sun Woo Kang (South Korea) |
| FP-131 | short-term effects of air pollution on Acute Exacerbations of Chronic Obstructive Pulmonary Disease (AECOPD) in a population-based cohort | Sung Hwa Kim (South Korea) |
| FP-132 | : Associations of long-term exposure to PM _{2.5} and risk of cognitive impairment or dementia in English Longitudinal Study of Ageing | Thomas Byrne (United Kingdom) |
| FP-133 | Air pollution and mental health in mid to older age: results from the MRC National Survey of Health and Development | Thomas Canning (United Kingdom) |
| FP-134 | Associations between residential distance to green or blue space and hospitalization for cardiovascular disease: a Danish Nurse Cohort study | Thomas Cole Hunter (Denmark) |
| FP-135 | Relationships among exposure to phthalates and renal function in Taiwanese adults | Ting Yi Lin (Taiwan) |
| FP-136 | Ambient PM _{2.5} , inflammation, and prostaglandin synthesis: Evidence from a pregnancy cohort in Puerto Rico | Trenton Honda (United States) |
| FP-137 | Airborne influenza virus in daycare centers | Tsai Chi Hung (Taiwan) |
| FP-138 | Impact of air pollutants from night markets on nearby households | Tseng Guo Ping (Taiwan) |
| FP-139 | The Association Between Long-term Exposure to Ambient PM _{2.5} and Incident Dementia: A Nationwide Longitudinal Cohort Study | Wei Cheng Lo (Taiwan) |
| FP-140 | Lung Adenocarcinoma Among Non-smokers is Linked to Visibility Degradation | Wei Chi Lin (Taiwan) |
| FP-141 | Physical activity modifies the association between long-term exposure to air pollution and depression in adults | Woongbi Park (South Korea) |
| FP-142 | Associations of serum vitamins with multiple blood pressure among adults in NHANES, 2017-2018 | Xinzhe Cheng (Taiwan) |
| FP-143 | Segmentectomy versus Wedge Resection for stage IA Lung Adenocarcinoma – A Population-based Study | Xu Heng Chiang (Taiwan) |
| FP-144 | Cancer incidence in relation to residential proximity to coal-fired power plants in Korea | Xue Han (South Korea) |

POSTER PRESENTATIONS

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| FP-145 | Impact of pregnancy on severity of injury in women involved in motor vehicle crashes | Ya-Hui Chang (Taiwan) |
| FP-146 | Socioeconomic Disparity in Associations of Exposure to NO ₂ with Hypertension, Diabetes and Multimorbidity in the Floating Population | Yang Zhao (Australia) |
| FP-147 | Long-Term Exposure to Air Pollution and the Occurrence of Nonalcoholic Fatty Liver Disease in Taiwan | Yi Chuan Chen (Taiwan) |
| FP-148 | Results of Improvement of Work Environment in Indium Handling Workplaces in Korea Confirmed by Biological Monitoring | Yonglim Won (South Korea) |
| FP-149 | The Effect of Trauma and Age on Prisoner Disposition and Time Spent in the Emergency Department | Young Koh (Singapore) |
| FP-150 | Associations of phthalate exposure with glucose and lipid metabolism in Taiwanese adults | Yu Chi Liang (Taiwan) |
| FP-151 | Ambient air pollution and Years of Life Lost (YLL) in Taiwan - a seasonal spatial risk analysis | Yu Hsiang Tsao (Taiwan) |
| FP-152 | Longitudinal assessment of oxidative stress markers and their relationship with exposure to PM _{2.5} and its bound metals in healthy participants | Yuan Ting Hsu (Taiwan) |
| FP-153 | An Exposure-Wide Association Study (ExWAS) on Erectile Dysfunction | Yuki Mizuno (Japan) |
| FP-154 | A descriptive study of employed older people in Japan | Yumiko Ishikawa (Japan) |
| FP-155 | Association between oil spill clean-up work and thyroid cancer: 11 years follow-up after the Hebei Spirit oil spill | Yun Hee Choi (South Korea) |
| FP-156 | Lead exposure and increased blood pressure and hypertension: A systematic review and meta-analysis | Zahra Gohari (United States) |
| FP-157 | COVID-19 Contact Tracing in Casablanca Region 2020-2022: Review of a Moroccan Experience and Lessons Learned | Zakia Abadane (Morocco) |
| FP-158 | Hippo signaling pathway regulated branching morphogenesis of fetal lung under hypoxia | Zih An Liao (Taiwan) |
| FP-245 | Association among endocrine-disrupting chemicals, metabolic syndrome, and non-alcoholic fatty liver disease in adolescents and adults | Bomi Park (South Korea) |
| FP-246 | Intersectional inequalities in temperature-related mortality risk in South Korea | Sera Kim (South Korea) |
| FP-247 | Performance of a low-cost sensor (LCS) network for long-term indoor and outdoor PM _{2.5} measurements at rural communities in Beijing, China | Xiaoying Li (Canada) |
| FP-248 | Long-term effects of indirect and direct exposure to oil spills on post-traumatic stress disorder: the Hebei Spirit Oil Spill Cohort | Lita Kim (South Korea) |
| FP-249 | The effectiveness of infection control strategies in a workplace during COVID-19 pandemic | Tzu Hsuen Yuan (Taiwan) |
| FP-250 | A study on the association between heat waves and acute kidney injury (AKI) due to climate change | Youngrin Kwag (South Korea) |
| FP-251 | Evaluation of confounding for occupational radiation exposure and cancer incidence among radiologic technologists | Won Jin Lee (South Korea) |
| FP-256 | Exposure to residential greenness and allergic rhinitis in children | Jieun Lee (South Korea) |

POSTER PRESENTATIONS

WEDNESDAY, 20 SEPTEMBER 2023

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|---------------|---|---|
| FP-160 | Associations of racial residential segregation and air pollution exposure with cardiovascular disease and cardiovascular disease-related mortality | Anna L. Harrington (United States) |
| FP-161 | Impact of Pesticide Exposure on Affective Well-being: A Study on Agricultural Workers in Chile's Maule Region | Boris Lucero (Chile) |
| FP-162 | Associations of Pesticide Exposure with Depression and Anxiety in Ecuadorian Adolescents, and Effect Modification by Social Determinants of Health | Briana Nc Chronister (United States) |
| FP-163 | Ambient Air Pollution and Dementia Risks in Taiwan – A Spatial Risk Analysis | Chen Yang Hsiao (Taiwan) |
| FP-164 | Polygenic risk score is associated with the risk of oral cancer among the male Taiwanese population | Chih Ching Yeh (Taiwan) |
| FP-165 | Legacy and Alternative Per- and Polyfluoroalkyl Substances in Paired Serum-Urine Data from the 2009–2012 Taiwan Birth Panel Study | Ching Yu Sun (Taiwan) |
| FP-166 | Environmental health and safety climate and one's emotional status in non-healthcare workplace during pandemic: A cross-sectional study in Hong Kong | Choi Miu (cherry) Wan (Hong Kong) |
| FP-167 | The impacts of reduction in ambient fine particulate (PM _{2.5}) air pollution on life expectancy in Taiwan | Chun Yuh Yang (Taiwan) |
| FP-168 | Exposure to Persistent Organic Pollutants and Diabetes Mellitus of Residents Living Near a Nonferrous Metal Smelter Area | Dahee Han (South Korea) |
| FP-169 | Association Between Iron Concentration in PM ₁₀ and Alzheimer's disease in Lima, Peru: An Ecological Study | Diego Fano Sizgorich (Peru) |
| FP-170 | Urinary triclosan and prevalence of metabolic syndrome among adults in Southern China | Feng Wang (Hong Kong) |
| FP-171 | Estimating years of life lost from suicide mortality due to air pollution in Seoul, South Korea | Gyeong Chan Kim (South Korea) |
| FP-172 | Prevalence and risk factors of post-acute sequelae of COVID-19 (PASC) among adults in South Korea | Ha Eun Son (South Korea) |
| FP-173 | Urine concentration of endocrine disrupting chemicals and premature puberty: findings from the 4th Korean National Environmental Health Survey | Han Ho Kim (South Korea) |
| FP-174 | Application of National Food Consumption Database: Risk Assessment of Cadmium in crustaceans food between 2005 to 2016 | Hsing Yi Chang (Taiwan) |
| FP-175 | Application of National Food Consumption Database: Risk Assessment of Cadmium in crustacean food in 2005–2016 | Hsing Yi Chang (Taiwan) |
| FP-176 | Differentiating Benign Pulmonary Lesions from Suspected Lung Cancer in Never Smokers: Based on a Comprehensive Questionnaire | Hsu-Li Huang (Taiwan) |
| FP-177 | Impact of Extreme Heat Event and Wildfire-Related PM _{2.5} Exposure on the Risk of Hospitalization and Mortality among Hemodialysis Patients | Hyeonjin Song (United States) |
| FP-178 | Prenatal maternal mobile phone use and depressive and anxiety symptoms in 10-year-old children | Hyunjoo Joo (South Korea) |
| FP-179 | Particulate matters and the risk of depression: analysis of the Korean Longitudinal Study of Aging (KLoSA) 2016–2020 in South Korea | Hyunkyung Park (South Korea) |

POSTER PRESENTATIONS

- FP-180** Mapping the key characteristics of carcinogens for glyphosate and its formulations: A systematic review
Iemaan Rana (United States)
- FP-181** Long-term exposure of bis(2-ethylhexyl) phthalate causes neurobehavioral disorders by disrupting glutamate-glutamine homeostasis in the mPFC
Jae Soon Kang (South Korea)
- FP-183** Temperature modifies the association between air pollution and respiratory disease hospitalisation an industrial area of South Africa
Janine Wichmann (South Africa)
- FP-184** Association of outdoor air pollution and breast cancer: A systematic review of longitudinal study
Jeeraporn Tippila (Thailand)
- FP-185** Effects of abdominal fat on the association between ambient air pollution and thyroid function in Korean
Jeoung A Kwon (South Korea)
- FP-186** Early and late onset of acute otitis media (AOM) according to long term PM2.5 exposure: national longitudinal cohort
Ji Hyen Lee (South Korea)
- FP-187** One Year Progress summary of Children's Environmental Health Clinic in Korea (CHECK)
Ji Hyen Lee (South Korea)
- FP-188** Indoor carbon monoxide and sulfur dioxide were associated with schoolchildren's asthma and lung function in an industrial city
Jia Lin Zhang (Taiwan)
- FP-189** The effect of financial performance indicators in financial statements on the incidence of occupational injuries and diseases in South Korea
Jinyoung Moon (South Korea)
- FP-190** A propensity score analysis on the effect of mobile phone use during pregnancy on birth outcomes in Ko-CHENS
Jonghyuk Choi (South Korea)
- FP-191** Critical Windows of Greenness Exposure during Preconception and Gestational Periods and their Association with Birthweight Outcomes
Junfeng (jim) Zhang (United States)
- FP-192** Toxicity of Boron Carbide (B4C) Nanomaterials on Caenorhabditis elegans Models
Kai Jie Yang (Taiwan)
- FP-193** Characteristics, Pollution and Health Risk Assessment of Metals and Metalloid in Drinking Water of Yangtze River and Taihu Lake
Keqin Wu (China)
- FP-194** Association between exposure to PM2.5 and blood pressure among participants of the globally conducted May Measurement Month 2018-2019
Kritika Anand (India)
- FP-195** Urinary Phthalates Esters in Nationwide Representative Samples of Taiwan in 2019
Kuan Yi Chen (Taiwan)
- FP-196** National representative prevalence survey on idiopathic environmental intolerance attributed to electromagnetic fields in Taiwan
Kun Hua Li (Taiwan)
- FP-197** Exposure to air pollutants and prevalence of myopia: a nationwide cross-sectional study in Korean males
Kyeongmin Kwak (South Korea)
- FP-198** 12-Year Trend of PM2.5 Air Pollution and Suicide Deaths in Kaohsiung City and Taiwan
Lee Zong Rong (Taiwan)
- FP-199** Umbilical cord serum elementomics of 52 trace elements and early childhood neurodevelopment
Li Su (United States)
- FP-200** Climate change-related exposures and risk of pediatric hospitalization in New York State, 2005-2019
Lisa Frueh (United States)
- FP-201** The Association and Causal Effect of Park Visits on Social-Emotional Development in the ALSPAC cohort.
Mark Ferguson (United Kingdom)
- FP-202** Assessing the effects of fine particulate matter on cognitive function in healthy elderly women using amyloid positron emission tomography
Meifang Cheng (Taiwan)

POSTER PRESENTATIONS

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| FP-203 | Phthalate exposure was associated with the risk of depressive symptoms in the US adult population | Ming Chieh Li (Taiwan) |
| FP-204 | Analysis of Urinary Metal Levels in Taiwan's 2019 Human Biomonitoring and Epidemiology Study | Ming Siang Chen (Taiwan) |
| FP-205 | Reasons for wanting to be a dental surgeon as a career | Nabhira Aftabi Binte Islam (Bangladesh) |
| FP-206 | Relationship of fungal spore richness, evenness, and abundance in school air with surrounding forest | Nicholas T Minahan (Taiwan) |
| FP-207 | Prenatal Mitochondrial DNA Copy Number Predicts Childhood Verbal Memory | Pei Wen Tung (United States) |
| FP-208 | The Power of Metatranscriptomics: A New Frontier in TB Surveillance in Low and Middle Income countries | Poovendhree Reddy (South Africa) |
| FP-209 | Comparison of Bactericidal Efficacy among Cleaning Agents for Residence | Pornpun Watcharaviton (Thailand) |
| FP-210 | Association of cord blood levels of lead, arsenic, and intelligent quotient among 14 years old adolescents: Chitwan Birth Cohort Study | Rajendra P Parajuli (Nepal) |
| FP-211 | Advancing Exposome Research for ADRD to Enable Precision Environmental Health Approaches to Treatment and Prevention | Richard K Kwok (United States) |
| FP-212 | The association between alcohol intake and polymorphisms of alcohol metabolism genes and the risk of cognitive impairment | Rong Xuan Liu (Taiwan) |
| FP-213 | The Impact of Sleep Duration on Health-Related Quality of Life in Korean Workers: Explainable AI (XAI) Investigation | Saemi Jung (South Korea) |
| FP-214 | Temperature effects on cerebrovascular disease: a nationwide study using ambulance call data in Japan | Saori Kashima (Japan) |
| FP-215 | Strengthening regulation of PFAS in Food Packaging: Perspectives from the Philippines | Sary Valenzuela (Philippines) |
| FP-216 | Associations between phthalate metabolites and phenol concentrations measured in urine with food consumption among Swedish adolescents | Sebastian Pineda (Sweden) |
| FP-217 | Effect modification by gestational weight gain in the association between maternal exposure to heavy metals and birthweight | Seung Ah Choe (South Korea) |
| FP-218 | Retention of medical doctors in rural area in Bangladesh: challenges and way out | Shahana Sultana (Bangladesh) |
| FP-219 | Association between PM2.5, PM10, SO2, and O3 Exposure and Prehypertension: A Systematic Review and Meta-Analysis | Shiue Shiuan Tu (Taiwan) |
| FP-220 | Realities of living and perceptions on water quality of an urban slum at Yamuna bank in Delhi: An exploratory study | Sonal Singh (India) |
| FP-221 | The Correlation Between School Neighborhood Environment And PM2.5 In Taichung City | Tzu Han Hung (Taiwan) |
| FP-222 | The impact on air pollution by epidemic prevention policy of COVID-19 in Taipei of Taiwan | Tzu Hsuen Yuan (Taiwan) |
| FP-223 | Biomass Smoke Exposure and Anthropometric Growth among Children in Rural Guatemala Participating in the RESPIRE and CRECER Prospective Cohort Studies | Wenxin Lu (United States) |
| FP-224 | Challenges and a Way Forward in Constructing Geospatial Data Pipeline to Assess Health Effects of Environmental-Risk Factors in South Korea | Won Kyung Kim (South Korea) |

POSTER PRESENTATIONS

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| FP-226 | Anemia Prevalence and Ambient Air Lead Levels in Taiwan: A Before and After Comparison of the Leaded Gasoline Ban | Ya An Liu (Taiwan) |
| FP-227 | Using Silicone Wristband to Estimate the Concentrations of UV Filters in Indoor Environment | Ya Lun Yu (Taiwan) |
| FP-228 | Effect of residential environment on children's allergic diseases in the Greater Taipei area | Ya Wen Yang (Taiwan) |
| FP-229 | Efficacy of Portable Air Purification on Public Buses: A Pilot Study | Yanming Liu (Australia) |
| FP-230 | Aristolochic Acid and the Risk of Liver cirrhosis in Patients with Hepatitis B Virus Infection | Yao Hsu Yang (Taiwan) |
| FP-231 | Disability Prediction in Ageing Population Based on Disease Status: Machine Learning Approaches | Yi Chun Lin (Taiwan) |
| FP-232 | Inter-alpha-trypsin inhibitor heavy chain 4 mitigated allergic response in OVA-induced asthma mouse | Yi Hsuan Liu (Taiwan) |
| FP-233 | Investigation of the toxic effects of the nano-material Titanium dioxide on <i>Cryptobacterium elegans</i> | You Jia Huang (Taiwan) |
| FP-234 | The association of hourly exposure to PM2.5 and O3 with emergency department visits of asthma | Yu Cheng Chen (Taiwan) |
| FP-235 | The Effect of Concurrent Exposure to PM2.5 and High Glucose on the Toxicity Induced in A549 Lung Cancer Cells | Yu Ting Chang (Taiwan) |
| FP-236 | Identifying Critical Windows of Air Pollution Exposure during Preconception and Gestational Period on Birthweight | Zhanghua Chen (United States) |
| FP-237 | Saving collection efforts of mobile monitoring campaigns by transfer learning methods | Zhendong Yuan (Netherlands) |
| FP-238 | Association of Metal Exposure and Mortality in American Indian Populations: A Prospective Cohort Study | Zheng Li (United States) |
| FP-239 | Neuropsychiatric disorders in Farmers associated with pesticide exposure – Results from the study in Kelantan State, Malaysia | Zulkhairul Naim Bin Sidek Ahmad (Malaysia) |
| FP-252 | Assessing the Impact of Household Energy Transition on Winter Indoor Air Quality in Rural Beijing, China: Field Evidence and Implications | Xiaoying Li (Canada) |
| FP-253 | Air pollution and cognitive impairment among the Chinese elderly population: A Nationwide cohort study | Qingyang Zhu (United States) |
| FP-254 | Source and infiltration of carcinogenic metals in indoor air in an urban area | Chien Cheng Jung (Taiwan) |
| FP-255 | Assessment of DNA Adducts Related to Oxidative Stress in Residents of Heavy Metal-Contaminated Areas | Bo Ri Kim (South Korea) |
| FP-256 | Exposure to residential greenness and allergic rhinitis in children | Jieun Lee (South Korea) |

POSTER PRESENTATIONS

POSTER DISCUSSIONS

MONDAY, 18 SEPTEMBER 2023

13:00 – 14:30 Poster Discussion 1-2-3

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|---------------|---|--|
| MP-001 | Development of spatiotemporal high-resolution temperature data for São Paulo, Brazil; a valuable resource for epidemiologists | Aina Roca Barcelo
(United Kingdom) |
| MP-002 | Determination of Bisphenols and Phthalate Metabolites in Human Urine with Ultra-performance Liquid Chromatography/Tandem Mass Spectrometry | Chia Yang Chen (Taiwan) |
| MP-003 | Exposure measurement error correction in air pollution epidemiology: Scale matters | Dimitris Evangelopoulos
(United Kingdom) |
| MP-004 | Construction of a geospatial data pipeline for epidemiology: a case study of land use and road network in South Korea | Goeun Jung (South Korea) |
| MP-005 | Attitudes and perceptions of public health postgraduate students towards the use of artificial intelligence in public health | Janine Wichmann
(South Africa) |
| MP-006 | Burden of disease from short-term exposure to fine particulate matter in South Korea | Jongmin Oh (South Korea) |
| MP-007 | Advancing chemical risk assessment through prioritization and systematic mapping of high throughput mechanistic in vitro data | Juleen Lam (United States) |
| MP-008 | Estimating Heterogeneous Causal Effects under Bipartite Network Interference: An Application to Air Pollution Regulatory Policy | Kevin L. Chen (United States) |
| MP-009 | Spatial distribution of PM _{2.5} in Bangkok and its vicinity during 2011 – 2020 | Kraiwuth Kallawicha
(Thailand) |
| MP-010 | Comparison of the use of a chemistry transport model with a recurrent neural network method for modeling ambient ozone concentrations | Leghrib Radouane
(Morocco) |
| MP-011 | A hybrid spatiotemporal model for estimating daily NO ₂ concentrations across Israel | Mike Zhongyu He
(United States) |
| MP-012 | Environmental Disparities in Outdoor PM 2.5 Across Different Residential Densities in Ibadan, Nigeria | Oluwafunmilade A Deji Abiodun (United States) |
| MP-013 | The combination effects of feature selection and machine learning on SO ₂ spatiotemporal estimation: a case study in Kaohsiung, Taiwan | Pei Yi Wong (Taiwan) |
| MP-014 | A new single particle mass spectrometer detects health-relevant Polycyclic Aromatic Hydrocarbons, soot and metals from individual aerosol particles | Ralf Zimmermann
(Germany) |
| MP-015 | Machine Learning-Based Analysis on Factors influencing Blood Heavy Metal Concentration in Korean Children Health and Environmental Study (Ko-CHENS) | Seewoo Jung (South Korea) |
| MP-016 | Sufficient conditions for causal reasoning in mixtures epidemiology | Thomas F Webster
(United States) |
| MP-017 | Identifying Novel Alzheimer's disease Biomarkers Using Hair Metabolomics and Machine Learning | Ya Yun Cheng (Taiwan) |
| MP-018 | Integrating traffic pollution dispersion into spatiotemporal high-resolution NO ₂ prediction | Yunhan Wu (United States) |
| MP-019 | Diagnosis Of WasteWater Contamination By Metal Trace Elements In The Areas Of Yopougon (Abidjan South) And Marcory, Koumassi (Abidjan North) | Amon Lydie Nina (Cote d'Ivoire) |

POSTER PRESENTATIONS

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| MP-020 | Perceptions and governance of One Health in African countries: A workshop report | Aziza Menouni (Morocco) |
| MP-021 | ASSOCIATIONS OF HISTORICAL REDLINING AND FLOOD RISK PROPERTIES IN PHILADELPHIA, PA, and EFFECT MODIFICATION BY NEIGHBORHOOD GENTRIFICATION | Janelle R Edwards (United States) |
| MP-022 | Social disparities in flood exposure and associations with the built environment in 47,187 urban neighborhoods in eight Latin American countries | Josiah L. Kephart (United States) |
| MP-023 | Prospective study on health status of patients with idiopathic environmental intolerance attributed to electromagnetic fields after a provocation test | Kun Hua Li (Taiwan) |
| MP-024 | Urban Public Space Initiatives and Health in Africa: A Mixed-Methods Systematic Review | Meelan Thondoo (United Kingdom) |
| MP-025 | Electrification equity planning: a framework | Michael T Schmeltz (United States) |
| MP-026 | Short-term associations of diarrhoeal diseases with temperature and precipitation: a multi-country study in Asia and Africa | Nasif Hossain (Japan) |
| MP-027 | Prenatal residential greenness exposure on behavior and cognitive development in children | Pei Chen Lee (Taiwan) |
| MP-028 | Trace metal concentrations, geoaccumulation index and risk assessment from soil of electronic waste (e-waste) exposed and non-exposed area, Bangladesh | Sarker Masud Parvez (Australia) |
| MP-029 | The urban burden of disease estimation for policy-making: a project for European cities | Sasha Khomenko (Spain) |
| MP-030 | A Field Application of an Innovative Digital Sensor for Arsenic without Reagents and Calibration | Shenliang Xu (Taiwan) |
| MP-031 | Implementation of Flipped Education to Improve Home Prevention Chemical Hazard Literacy for the Elderly within the Community | Shiu Yun Fu (Taiwan) |
| MP-032 | Occurrence and accumulation of microplastics contamination in freshwater fishes from natural and farmed sources in Taiwan | Tomohiko Yanagawa (Taiwan) |
| MP-033 | Association between Residential Greenness and Children's Behavioral Development | Wen Yi Lee (Taiwan) |
| MP-034 | Study of Home Visiting for Elderly Live Alone Clients and their Specific Health and Safety Requirements | Yi Yun Chi (Taiwan) |
| MP-035 | Influence of the green view index and evergreen trees on ambient fine particulate matter in Tainan City | Ying Jhen Huang (Taiwan) |
| MP-036 | Developing Study Protocol to Determine the Association Between Built Environment Factors and Physical Activity | Zarirah Adzni Mokhtar (Malaysia) |
| MP-037 | Negative Associations of Cord Blood Mitochondrial DNA Copy Number with Childhood Adiposity Trajectories in Children | Aalekhya Reddam (United States) |
| MP-038 | Associations of home and school-level ambient air pollution exposures with blood pressure in schoolchildren in Accra, Ghana | Abosede Sarah Alli (United States) |
| MP-039 | Prevalence of hookah smoking and associated factors among male high school students in Iraq | Ahmed Khalaf Al Delaimy (Iraq) |
| MP-040 | Interaction between long-term air pollution exposure and neighbourhood unemployment on cognitive functions in Central-European aging population | Andrea Dalecká (Czech Republic) |

POSTER PRESENTATIONS

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| MP-041 | Muscular and nervous system emergency department visits during a hydrogen sulfide emergency in Southern Los Angeles County, CA, USA | Arbor J. Quist (United States) |
| MP-042 | Mixture effects of particle components on asthma in children and adults in the United States between 2000 and 2016 | Bryan N Vu (United States) |
| MP-043 | Neurobehavioral effects of gestational exposure to mixtures of non-persistent endocrine disruptors in preschoolers of the ECHO Program | Dorothy Nakiwala (United States) |
| MP-044 | In-utero exposure to ambient PM _{2.5} and the risk of low birth weight in India | Ekta Chaudhary (India) |
| MP-045 | Association between long-term PM _{2.5} exposure and risk of Kawasaki disease in children: nationwide longitudinal cohort study | Hanna Kim (South Korea) |
| MP-046 | Prenatal air pollution exposure and mitochondrial DNA copy number at birth, a systematic review and meta-analysis | Holly Nguyen (United States) |
| MP-047 | Long-term effects of prenatal fluoride and lead exposure on educational delay in Mexico | Hu Howard (Mexico) |
| MP-048 | Association between nicotine urinary and exposure factors among children exposed to secondhand smoking in an urban household, Bangkok, Thailand | Jadsada Kunno (Thailand) |
| MP-049 | Urinary Organophosphate and Neonicotinoid Metabolites in relation to Sex and Adrenal Hormones among Adolescents living in Ecuador | Jose R. Suarez Lopez (United States) |
| MP-050 | Preliminary Analysis of Chemical and Non-Chemical Stressors Collected from Mother-Child Pairs in the National Children's Study | Nicolle S Tulve (United States) |
| MP-051 | An exposome-wide approach of organophosphate flame retardants in the Taiwanese population: Parent-child pairs interaction and potential health risk | Pei Yu Wu (Taiwan) |
| MP-052 | Pathways for India to reduce air pollution health burden and meet sustainable development goal 3.4 target | Sagnik Dey (India) |
| MP-053 | The toxic effects with cotreatment of PM _{2.5} and high glucose in A549 Lung Cancer Cells | Yu Ting Chang (Taiwan) |
| MP-054 | Population attributable fraction of low birth weight risk factors in Japan | Yukiko Nishihama (Japan) |

POSTER PRESENTATIONS

TUESDAY, 19 SEPTEMBER 2023

12:00 – 13:30 Poster Discussion 4-5-6

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| MP-055 | Contribution of blood DNA methylation to the association between smoking and lung cancer | Arce Domingo Relloso (Spain) |
| MP-056 | Exposome Epidemiology for Suspect Environmental Chemical Exposures during Pregnancy Linked to Subsequent Breast Cancer Diagnosis | Dean Jones (United States) |
| MP-057 | Are hygiene, cosmetics and hair products associated with breast cancer? The MCC-Spain study | Gemma Castaño Vinyals (Spain) |
| MP-058 | Pre-disease biomarkers of poly chlorinated biphenyls (PCB) and amyotrophic lateral sclerosis (ALS) risk | Ian W Tang (United States) |
| MP-059 | Association of residential exposure to dioxin emissions with lymphoid malignancies in a prospective US based cohort of women | Jie Chen (United States) |
| MP-060 | Air Pollution Exposure During Pregnancy and Placental Inflammation | Junfeng (jim) Zhang (United States) |
| MP-061 | Non-persistent Chemicals in Urine and Glycemia during Pregnancy: The Healthy Start Study | Mia Q. Peng (United States) |
| MP-062 | Associations between residential greenness and birth outcomes: results from the Korean Children's Environmental health Study | Myung Sook Park (South Korea) |
| MP-063 | PRegnanacy and UrbaN Environment (PRUNE) cohort profile and built environment in infertile couples | Seung Ah Choe (South Korea) |
| MP-064 | Exposure to Ultrafine Particles and Cognitive Decline Among Older People in the United States | Wenqi Gan (United States) |
| MP-065 | Outdoor light at night and mortality in the UK Biobank: a prospective cohort study | Xiang Qian Lao (Hong Kong) |
| MP-066 | Environmental Exposure to Risk Factors and Its Effects on Heart Rate Variability in Vulnerable and Susceptible Individuals | Yeonjae Park (South Korea) |
| MP-067 | Association between Long-term Noise Exposure and Bipolar Disorder: a Community-based Cohort Study in Taiwan | Yi Hui Wu (Taiwan) |
| MP-068 | Effect of PM2.5 and Noise Exposure on the Risk of Blood Glucose Impairment in Pregnant Women | Yu Ting Lin (Taiwan) |
| MP-069 | Maternal Factors Associated with Plasma Concentrations of Persistent Organic Pollutants Among Women from Pregnancy to Postpartum Period | Zhanghua Chen (United States) |
| MP-070 | Longitudinal effects of PFAS exposure on insulin sensitivity and β -cell function among women with gestational diabetes mellitus history | Zhanghua Chen (United States) |
| MP-071 | Prenatal polyunsaturated fatty acids and childhood atopic dermatitis | Kinga Polanska (Poland) |
| MP-073 | Socio-economic determinants of exposure to endocrine disrupting chemicals in pregnant women: Taiwan Maternal Infant Cohort Study | Alexander Waits (Taiwan) |
| MP-074 | Prenatal PFHxS Concentrations are Negatively Associated with Infant Birthweight and Weight at Two Years of Age | Alicia K. Peterson (United States) |
| MP-075 | Association between exposure to heavy metals in atmospheric particulate matter and sleep quality | Byung Kwon Kim (South Korea) |

POSTER PRESENTATIONS

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| MP-076 | Interactions between maternal arsenic exposure and folate pathway genes on the risk of spina bifida: A case control study in Bangladesh | Chih Fu Wei (United States) |
| MP-077 | Associations of phthalate exposure with incidence of metabolic syndrome and its component parameters– A prospective study | Chin Li Lu (Taiwan) |
| MP-078 | Childhood Exposure to Perfluoroalkyl Substances in relation to Child Adiposity | Ching Yu Sun (Taiwan) |
| MP-079 | Maternal serum per- and polyfluoroalkyl substances during pregnancy and breastfeeding duration | Chloe Friedman (United States) |
| MP-080 | Rainfall patterns, water-related diseases, malnutrition and mortality in Low- and Middle- Income Countries (LMICs): a systematic review | Indira Ellora Bose (United Kingdom) |
| MP-081 | Urinary concentration of phenols and parabens, and biomarkers of oxidative stress in pregnant women | Ju Hee Kim (South Korea) |
| MP-082 | Urinary concentration of polycyclic aromatic hydrocarbons and volatile organic compounds are associated with biomarkers of oxidative stress in pregnan | Ju Hee Kim (South Korea) |
| MP-083 | The Impact of COVID-19-related Visiting Restrictions on Effectiveness of Discharge Planning: A retrospective Hospital-based Cohort Study | Mao-Ting Lee (Taiwan) |
| MP-084 | Associations of prenatal exposure to flame retardants and birth outcomes in the Puerto Rico Testsite for Contamination Threats (PROTECT) cohort | Skarlet G Velasquez (United States) |
| MP-085 | Scenarios of healthier urban transport regimes – An agent-based modeling case study of Amsterdam | Tabea Simone Sonnenschein (Netherlands) |
| MP-086 | Line List Analysis of Occupational Exposure to COVID-19 in Newfoundland and Labrador, Canada | Thaneswary Rajanderan (Canada) |
| MP-087 | Association between neighborhood walkability and chronic kidney disease: A longitudinal cohort study in Taiwan | Wei Yi Chen (Hong Kong) |
| MP-088 | Exposure to neighbourhood walkability and mortality: A longitudinal cohort study | Yi Qian Zeng (Hong Kong) |
| MP-089 | Associations Between Maternal Negative Life Events Measured During the COVID-19 Pandemic and Child Sleep Health | Yueh Hsiu Mathilda Chiu (United States) |
| MP-090 | Effect of combined agricultural and sustainable diet policies on air pollution, dietary patterns and health in the UK | Ai Milojevic (United Kingdom) |
| MP-091 | The association between environmental noise and adiposity in a Central-European population sample: the Kardiovize study | Anna Bartoskova Polcrova (Czech Republic) |
| MP-092 | Short-term exposure to PM2.5 from vegetation fire events and mortality in Upper Northern Thailand | Athicha Uttajug (Japan) |
| MP-093 | Causal associations between gut microbiome and Hypertension | Chan Il Jeon (South Korea) |
| MP-094 | Role of Gut Microbiota between Metal Fumes and Intestinal Permeability | Ching Huang Lai (Taiwan) |
| MP-095 | Immortal time bias in the association between fecal occult blood test and metabolic syndrome: A cohort study | Do Yeon Lim (South Korea) |
| MP-096 | A Study on the Association between Body Mass Index and Diabetes Incidence according to the Gamma-Glutamyl Transferase Level in Korea | Ji Woo Baek (South Korea) |

POSTER PRESENTATIONS

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| MP-097 | Estimated Travel Time and Distance to Trial Site: Modifiers of Step-Up Treatment Efficacy in Black Adults with Poorly Controlled Asthma | Lizbeth Gomez (United States) |
| MP-098 | Spatial distribution of blood lead concentration in preschoolers from Arica, Chile | María Pía Muñoz (Chile) |
| MP-099 | Association of Water, Sanitation and Hygiene Facilities and Children's Stools Disposal Methods in Myanmar | Naw Lah Say Wah (Thailand) |
| MP-100 | Bioaerosols' Size Fractions and associated Respiratory morbidities in Elementary School in Ibadan, Nigeria | Oyewale Mayowa Morakinyo (Nigeria) |
| MP-101 | A study of methanol poisoning outbreak from pickled liquor in three communities, Chonburi, Thailand | Patcharaporn Dejburum (Thailand) |
| MP-102 | Exposure Assessments of Photoinitiators: the Dietary Intakes from the Migrations in Paper-Based Food Packaging | Szu Yu Lin (Taiwan) |
| MP-103 | Dietary Habits and α -Adrenergic Agonists in Urine of Representative Population in Taiwan | Tzu Hsuan Peng (Taiwan) |
| MP-104 | Emerging foodborne contaminants in infant formula: Integrating mixtures risk assessment based on probabilistic and sensitive approach | Wei Jeng Chao (Taiwan) |
| MP-105 | Socioeconomic status as a moderator in the association between diet and the food environment: findings from the CIVISANO-project | Yasemin Inac (Belgium) |
| MP-106 | Exploring the Role of SGLT2 Inhibitors in Preventing and Managing Diabetic Complications | Yu Jyun Lin (Taiwan) |
| MP-107 | Seasonal impact and Risk factors of Concurrent Spontaneous Pneumomediastinum and Pneumorrhachis in Adolescents | Yu Wei Liu (Taiwan) |

POSTER PRESENTATIONS

WEDNESDAY, 20 SEPTEMBER 2023

12:15 – 13:45

Poster Discussion 7-8-9

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|---------------|---|--|
| MP-108 | Heat and cold impacts on mortality by Local Climate Zone in London and South East, England | Ai Milojevic (United Kingdom) |
| MP-109 | Impact of COVID-19 on neighbouring communities of large-scale mining industry and recommendations for its management | Antonia Fortt Zunzunegui (Chile) |
| MP-110 | El Niño-Southern Oscillation, thermal conditions, and some specific health outcomes in Taiwan | Chuansi Gao (Sweden) |
| MP-111 | Effect Of Meteorological Factors On Children's Asthma In Taichung City | Han Wei Chen (Taiwan) |
| MP-112 | Effect of snow on the emergency medical service response times of out-of-hospital cardiac arrest in Japan, 2009-2019 (JCS-ReSS) | Hirokuni Wataki (Japan) |
| MP-113 | Long- and medium-term ambient air temperature and sudden cardiac death in a prospective US cohort | Jaime Hart (United States) |
| MP-114 | Assessing the impact of high temperatures on kidney disease in Australia: Past and future burden | Jingwen Liu (Australia) |
| MP-115 | Summer temperature and hospitalization due to urinary tract infection in the elderly: a nationwide sample cohort study in South Korea | Jiwoo Park (South Korea) |
| MP-116 | Health effects of the disabled due to climate change and air pollution: a study protocol | Kyung Hwa Choi (South Korea) |
| MP-117 | A nationwide comparative analysis of temperature effect on mortality and morbidity in Japan | Lei Yuan (Japan) |
| MP-118 | Which comes first: asthma or anxiety? | Nicholas J Osborne (Australia) |
| MP-119 | Extreme heat exposure and risk of hospitalization and mortality in hemodialysis patients in the conterminous United States | Nicole E. Sieck (United States) |
| MP-120 | Daily deviation from historical temperature and mortality in seven cities in South Korea | Sanghyuk Bae (South Korea) |
| MP-121 | Effect of temperature on dengue in 291 Southeast Asian locations: a regionally representative analysis | Sophearen Ith (Japan) |
| MP-122 | Uncovering Urban Heat: Measuring high temperature exposure and its determinants in homes and neighborhoods in Accra, Ghana | Vishwanath Doreswamy Gowda (United Kingdom) |
| MP-123 | Relation of PM2.5 and high temperature exposures with birth outcomes among women in Harris County, Texas, 2018-2020 | Wei Jen Chen (United States) |
| MP-124 | Association between short-term exposure to the summer temperature and hospital admission due to acute kidney injury: a national health insurance | Whanhee Lee (South Korea) |
| MP-125 | The seasonal attack patterns in asthmatic children are influenced by the climate regions in Taiwan | Yi Sheng Yang (Taiwan) |
| MP-126 | Metal exposure from e-cigarette use: characterization and comparison of biomarkers among sole e-cigarette users, smokers, dual users, and non-users | Angela Aherrera (United States) |

POSTER PRESENTATIONS

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| MP-127 | Bottled Water Consumption and Per- and Polyfluorinated Alkyl Substances (PFAS): Findings from the MetaAIR Study and NHANES 2003-2018 | Elizabeth Costello (United States) |
| MP-128 | A Statistical Association for Toxicity of Individual Perfluorinated {n}-Alkyl Acid Components in Co-Exposures to Multiple PFAS | Eugene Demchuk (United States) |
| MP-129 | Association of serum per- and polyfluoroalkyl substances with age-related macular degeneration among U.S. adults: NHANES 2005-2008 | Habyeong Kang (South Korea) |
| MP-130 | Association between urinary parabens and insulin resistance in the general population of Taiwan | Hsi Chen (Taiwan) |
| MP-131 | Health Risk Assessment for Ingestion Exposure to Endocrine Disruptors in Lip Products | Hsin Yi Wu (Taiwan) |
| MP-132 | Serum levels of perfluoroalkyl substances (PFAS) and exposure determinants in adolescents: A population-based study in Korea | Hyoseon Kim (South Korea) |
| MP-133 | Prenatal exposure to perfluoroalkyl substances and lung function in mid-childhood: Results from Project Viva | Jennifer A Oliver (United States) |
| MP-134 | Associations of a Toenail Metal Mixture with Adult Attention and Memory in the Gulf Longterm Follow-up (GuLF) Study | Joyce Jy Lin (United States) |
| MP-135 | Longitudinal Glycemic Trajectories in Relation to Toxic and Essential Metals among Mexican Americans | Margaret Weiss (United States) |
| MP-136 | Association between prenatal cadmium exposure and child development: The Japan Environment and Children's study | Masumoto Toshio (Japan) |
| MP-137 | Association between phthalates exposure and oxidative stress biomarkers in women with recurrent pregnancy loss: results from TREPLES | Po Chin Huang (Taiwan) |
| MP-138 | Role of advanced glycation end products in the association between metal fume particulate matter exposure and oxidative stress | Ruei Jing Gao (Taiwan) |
| MP-139 | Association between serum manganese and bone mineral density: a nationwide cross-sectional study in South Korea | Seung Woo Ryoo (South Korea) |
| MP-140 | Association between paraben exposure and renal function index among the general Taiwanese | Yen Hsuan Huang (Taiwan) |
| MP-141 | Application of metabolomics to toxicity assessment of perfluorooctane sulfonic acid | Yen Jou Chao (Taiwan) |
| MP-142 | Decreased perfluoroalkyl substances found in patients undergoing hemodialysis treatment | Yi Ting Lin (Taiwan) |
| MP-143 | Correlation of heavy metal levels and emotional/behavioral problems among adolescents in North Taiwan: a preliminary report | Yu Hsin Huang (Taiwan) |
| MP-144 | Musculoskeletal symptoms and disorders, and related knowledge, attitude and practices among female textile workers in Karachi, Pakistan | Ali Hussaini (Pakistan) |
| MP-145 | Quantifying the Burden of Heat-Attributable Occupational Injuries in Australia: A DALY-based analysis | Blesson Mathew Varghese (Australia) |
| MP-146 | A police officer-specific model for predicting the 10-year risk of major adverse cardiovascular events | Hyunji Park (South Korea) |
| MP-147 | Occupation and the incidence of female breast cancer in Taiwan: A longitudinal and nationwide cohort study | Jia Yi Lin (Taiwan) |
| MP-148 | The impact of urban heat island on heat-attributable excess deaths in the past and future warming climate | Jinyu He (Japan) |

POSTER PRESENTATIONS

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| MP-149 | Temperature related occupational accidents in Spain: socioeconomic drivers of adaptation during the last 3 decades | Joan Ballester (Spain) |
| MP-150 | Risk factors for threats and humiliation at the workplace of environmental scientists | Jutta Lindert (Germany) |
| MP-151 | Coexposure to organophosphate flame retardants and phthalates in patients with chronic kidney disease and the potential nephrotoxicity | Kai Fan Tsai (Taiwan) |
| MP-152 | Boron Carbide nanoparticles caused the toxic effects on Caenorhabditis elegans Models | Kai Jie Yang (Taiwan) |
| MP-153 | Coal Production Trends and Black Lung Disease Incidence Rate in Indonesia during 2013-2021 | Kurnia Ardiansyah Akbar (Indonesia) |
| MP-154 | Changes in susceptibility to heat during the summer: the role of air conditioning | Lisa Yamasaki (Japan) |
| MP-155 | Experience of implementing MultiTex RCT intervention package at textile mills in Karachi, Pakistan: A qualitative study | Muhammad Muneeb Ullah Siddiqui (Pakistan) |
| MP-156 | Digitalization of Medical Records: Streamlining Healthcare Operations: Enhancing Efficiency and Reducing Burnout | Nur Adibah Shaharul (Malaysia) |
| MP-157 | Korean Radiation Workers Study: Baseline Characteristics of an Expanded Cohort | Songwon Seo (South Korea) |
| MP-158 | Transitioning to safer LPG cylinder exchange for household cooking in Ghana: lessons from mixed methods pilot study of user experiences | Theresa Afia Serwaa Tawiah (Ghana) |
| MP-159 | "Cumulative preventable number" for heat-health alert system | Yasushi Honda (Japan) |
| MP-160 | Nanomaterial Titanium dioxide caused the toxicity on Caenorhabditis elegans | You Jia Huang (Taiwan) |
| MP-161 | PM2.5 emission from air fryers to cause the harmful effects on Caenorhabditis elegans models | Zhan Yu Huang (Taiwan) |
| MP-162 | Older Queenslanders' behaviours during hot weather: factors impacting their heat response actions | Zhiwei Xu (Australia) |

E-POSTER PRESENTATIONS

E-POSTERS

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| EP-001 | Exposure to metal mixtures and neurodevelopment outcomes in 4-5-year-old children living in Spain | A. J. Signes Pastor (Spain) |
| EP-002 | Pro-vegetarian dietary patterns and metal exposure in Spanish children of 4-5 years | Alejandro Oncina Canovas (Spain) |
| EP-003 | Estimating spatiotemporally resolved PM2.5 concentration across the contiguous United States using an ensemble model | Alexandra Shtein (Israel) |
| EP-004 | The role of spatial social polarization in racial and ethnic disparities in stillbirth | Amal Rammah (United States) |
| EP-005 | Persistent endocrine disrupting chemicals and incident uterine leiomyomata: a mixtures analysis | Amelia K Wesselink (United States) |
| EP-006 | Case-cohort study of PFAS and hematologic malignancy risk in American Cancer Society's Cancer Prevention Study II Cohort | Andrea Winquist (United States) |
| EP-007 | Air pollution exposure is associated with lower positive affect in older women | Andrew John Petkus (United States) |
| EP-008 | Reference values of barium in hair samples from children and adolescents in Alcalá de Henares (Spain) | Anonio Peña Fernández (United Kingdom) |
| EP-009 | Exposure and risk assessments to caffeine in young university students from Leicester, England | Anonio Peña-Fernández (United Kingdom) |
| EP-010 | Environmental monitoring of lanthanum in wild mushrooms from urban and rural areas across Leicestershire (UK) | Anonio Peña-Fernández (United Kingdom) |
| EP-011 | Environmental distribution and exposure to heavy-rare earth elements in Leicestershire (UK) | Anonio Peña-Fernández (United Kingdom) |
| EP-012 | Human health risks of cerium contamination in urban and rural soils across Leicestershire (UK) | Antonio Pena Fernandez (United Kingdom) |
| EP-013 | Environmental contamination and exposure to praseodymium in Leicestershire (UK) | Antonio Peña Fernández (United Kingdom) |
| EP-014 | Dietary exposure to cerium in a young (18-23 yrs-old) population in Leicester (England) | Antonio Peña Fernández (United Kingdom) |
| EP-015 | Biomonitoring mercury in young students attending a British university | Antonio Peña Fernández (United Kingdom) |
| EP-016 | Environmental exposure of children to erbium in Alcalá de Henares (Spain) | Antonio Peña Fernández (United Kingdom) |
| EP-017 | Temporal variation and carcinogenic risks to arsenic in Alcalá de Henares (Spain) | Antonio Peña Fernández (United Kingdom) |
| EP-018 | Investigating the variation of boron in scalp-hair from three different population groups in Alcalá de Henares (Spain) | Antonio Peña Fernández (United Kingdom) |
| EP-019 | Applicability of wild mushrooms to monitor environmental contamination of europium in Leicester, England | Antonio Peña Fernández (United Kingdom) |
| EP-020 | Utility of wild soil mushrooms to monitor cerium and characterise oral risks | Antonio Peña Fernández (United Kingdom) |
| EP-021 | Environmental exposure to scandium and yttrium in Leicestershire (UK) | Antonio Peña Fernández (United Kingdom) |
| EP-022 | Environmental monitoring and risk assessments for gadolinium in topsoils from Alcalá de Henares (Spain) | Antonio Peña-Fernández (United Kingdom) |

E-POSTER PRESENTATIONS

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| EP-023 | Food intake in a sample of young university students living in Leicester, England | Antonio Peña-Fernández (United Kingdom) |
| EP-024 | Exposure to praseodymium in young university students from Leicester, England | Antonio Peña-Fernández (United Kingdom) |
| EP-025 | Potential presence and distribution of human-related microsporidia in different soil types from Makeni, Sierra Leone | Antonio Peña-Fernández (United Kingdom) |
| EP-026 | Presence of platinum, palladium and rhodium in children living in Alcalá de Henares (Spain) and the environment | Antonio Peña-Fernández (United Kingdom) |
| EP-027 | Dietary exposure to arsenic in young (18-23 yrs-old) university students in Leicester, England | Antonio Peña-Fernández (United Kingdom) |
| EP-028 | Trans fatty acids intake in a sample of young university students from Leicester, England | Antonio Peña-Fernández (United Kingdom) |
| EP-029 | Dietary and environmental exposure to gadolinium in young adults from Leicester, England | Antonio Peña-Fernández (United Kingdom) |
| EP-030 | First detection of emerging human parasites microsporidia in grass from recreational and urban parks from, Leicester, UK | Antonio Peña-Fernández (United Kingdom) |
| EP-031 | Assessing the exposure to uranium and thorium in healthy Spanish teenagers | Antonio Peña-Fernández (United Kingdom) |
| EP-032 | A strategy using the fission yeast {Schizosaccharomyces pombe} to investigate the toxic effects of environmental chemicals | Antonio Peña-Fernández (United Kingdom) |
| EP-033 | Associations between long-term exposure to air pollution, noise, and body composition in the Austrian LEAD cohort | Barbara Hoffmann (Germany) |
| EP-034 | Trajectories of non-asbestos air toxic exposure among mesothelioma patients: A latent class mixed modeling approach | Bian Liu (United States) |
| EP-035 | Data-driven identification of epidemiological factors associated with youth type 2 diabetes and prediabetes | Bian Liu (United States) |
| EP-036 | Occupational Factors and the Risk of Chronic Diseases among Technology Industry Workers in Hsinchu: A Retrospective Cohort Study | Che Jui Jerry Chang (Taiwan) |
| EP-037 | Thermoregulation in response to exercising at a moderate metabolic rate when wearing personal protective and emergency response equipment | Chen-Peng Chen (Taiwan) |
| EP-038 | Thermal burden from wearing personal protective equipment enhanced for healthcare personnel ("Bunny Suit") during COVID-19 pandemic | Chen-Peng Chen (Taiwan) |
| EP-039 | Individual susceptibility to the acute impact of air pollution on resting heart rate among the elderly | Chi Hsien Chen (Taiwan) |
| EP-040 | A mysterious rash outbreak over Pescadores Islands in Taiwan Strait: an airborne caterpillar contact dermatitis by ultrastructure mapping | Chih Hung Lee (Taiwan) |
| EP-041 | Urinary heavy metals and psychosocial behavior of preschool children: a mixed exposure analysis | Ching Chun Huang (Taiwan) |
| EP-042 | Dietary intake of acrylamide and increased risk of mortality: evidence from the E3N French prospective cohort | Chloé Marques (France) |
| EP-043 | Drinking water fluoride and hip fracture incidence in England: Analysis of 2013-2020 data | Christopher Neurath (United States) |
| EP-044 | Updated dose-response assessment and meta-analysis of fluoride developmental neurotoxicity studies rated higher quality by National Toxicology Program | Christopher Neurath (United States) |

E-POSTER PRESENTATIONS

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| EP-045 | Pesticide exposure and respiratory health outcomes of avocado farmworkers in Michoacan, Mexico | Cynthia Armendáriz Arnez (Mexico) |
| EP-046 | Long-term exposure to arsenic in drinking water and risk of cardiovascular diseases among women living in California | Danielle N Medgyesi (United States) |
| EP-047 | Complex interaction effects of air pollution and temperature on blood pressure: Evidence from the SALIA cohort study | Dayasri Ravi (Germany) |
| EP-048 | Spatio-temporal diversity and metagenome analysis of biological aerosols over some discrete locations of Northeast India | Debajit Borah (India) |
| EP-049 | Prenatal exposure to disinfection by-products (DBPs) through drinking water and their effects on placental function | Dora Cserbik (Spain) |
| EP-050 | Association between Air Pollution and COVID-19 in Hanoi and Ho Chi Minh Cities in Vietnam in 2021 | Duc Minh Dao (Japan) |
| EP-051 | The Interaction Between Extreme Temperature and PM2.5 on Mortality in Nine U.S. States | Edgar Castro (United States) |
| EP-052 | Fine-scale Disparities in Exposure to Particulate Matter Components in U.S. Urban Areas | Edgar Castro (United States) |
| EP-053 | Childhood lead exposure and source investigation in Patna, Bihar, India: Building deeper understanding through international collaboration | Emily Nash (United States) |
| EP-054 | Persistent Organic Pesticides and Risk of Amyotrophic Lateral Sclerosis among National ALS Registry Cases and Matched Controls | Evelyn O Talbott (United States) |
| EP-055 | Association between ambience fine particulate matter (PM10) and Skin brown Spots in Taipei City Community | Fu Yu Chan (Taiwan) |
| EP-056 | Association of long-term exposure to air pollutants mixture and incident cardiovascular disease in a highly polluted region of China | Fuyuan Wen (China) |
| EP-057 | Joint and mediation effects of ambient air pollutants and PM2.5 components on renal function in China | Fuyuan Wen (China) |
| EP-058 | Medication adherence of hypertensive and diabetic patients registered in the Family Health Strategy in Acre, Brazil | Gina Torres Rego Monteiro (Brazil) |
| EP-059 | Prevalence and factors associated with chronic kidney disease in diabetic and hypertensive patients | Gina Torres Rego Monteiro (Brazil) |
| EP-060 | Exposure to pesticides and breast cancer in the city of Petrópolis, Brazil | Gina Torres Rego Monteiro (Brazil) |
| EP-061 | Particulate matter characterization from biomass-fuel usage in rural South Indian kitchens | Gopika Indu (India) |
| EP-062 | Association between arsenic exposure and incidence metabolic syndrome in older Chinese population | Haiyan Jiang (China) |
| EP-063 | Source and health risk of antibiotic exposure of Tibetan pregnant women in China: A biomonitoring-based study | Hexing Wang (China) |
| EP-064 | Characteristics of bioaerosols in kindergarten classrooms in Miaoli City | Hsin Hsiu Chen (Taiwan) |
| EP-065 | Association between phthalate exposure and sleep quality: results from a nationwide analysis of pregnant women | Hwan Cheol Kim (South Korea) |
| EP-066 | Ambient particulate matter and surrounding greenness in relation to sleep quality among pregnant women: A nationwide cohort study | Hwan Cheol Kim (South Korea) |
| EP-067 | Health effects from Hebei Spirit oil spill using Environmental Risk Score for Oxidative Stress in Korean residents: A HEROS study | Hyuna Jang (South Korea) |

E-POSTER PRESENTATIONS

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| EP-068 | Cancer familial history and clinical-environment interaction on benign breast diseases risks among Brazilian women | Ilce Ferreira Da Silva (Brazil) |
| EP-069 | Stomach cancer incidence trends in selected Latin America populations: age, period, and birth-cohort effects | Ilce Ferreira Da Silva (Brazil) |
| EP-070 | Gastric cancer cases in Brazil: Clinical-environment profile, prevalence and associated factors to treatment treatment | Ilce Ferreira Da Silva (Brazil) |
| EP-071 | Associations between agrichemical mixtures and childhood cancer in Nebraska counties- a Generalized Weighted Quantile Sum Regression based approach | Jabeen Taiba (United States) |
| EP-072 | Personal breathing zone concentrations of PM2.5 among workers in different occupational groups at a brick kiln in Nepal | James D. Johnston (United States) |
| EP-073 | Ambient fine particulate matter exposure and risk of non-Hodgkin lymphoma in the NIH-AARP Diet and Health Study | Jared A Fisher (United States) |
| EP-074 | Ingested nitrate and nitrite and risk of renal cell carcinoma in the Agricultural Health Study | Jessica M. Madrigal (United States) |
| EP-075 | Exposure to per- and polyfluoroalkyl substances and plasma proteomics in young adults: The Meta-AIR study | Jiawen Carmen Chen (United States) |
| EP-076 | Thyroid hormones mediate the association between single and mixed polycyclic aromatic hydrocarbons exposure with visceral adipose accumulation | Jintao Liu (China) |
| EP-077 | Concentrated animal feeding operations (CAFOs) in relation to environmental justice metrics and related variables in Wisconsin, United States | Ji-Young Son (United States) |
| EP-078 | Evaluating PM2.5 concentrations in homes of on-site workers at a Nepalese brick manufacturing facility | John D. Beard (United States) |
| EP-079 | Particulate matter phthalate, polycyclic aromatic hydrocarbons, and toxic metal concentrations in tailpipe and non-tailpipe emissions near highways | John G Watson (United States) |
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Phone : +886-2-8195-8766
Web : <https://tccip.ncdr.nat.gov.tw/>



Taiwan Climate Change Projection Information and Adaptation Knowledge Platform (TCCIP), supported by National Science and Technology Council (NSTC) and coordinated by National Science and Technology Center for Disaster Reduction (NCDR), aims to provide scientific and technological research services on climate change in Taiwan. It continuously improves climate change projection techniques and capabilities, translates climate change scientific information in an accessible manner, strengthens the link between scientific research and practical applications, and enhances communication with service recipients. The platform offers a comprehensive one-stop service, providing climate change data, information, knowledge, and tools to government agencies, academic research, businesses, and community organizations.

National Center for Environmental Health (NCEH)

Address : 4770 Buford Highway, Chamblee, GA 30341
Phone : 800-CDC-INFO
Web : <https://www.cdc.gov/nceh/>



CDC's National Center for Environmental Health (NCEH) plans, directs, and coordinates a program to protect the American people from environmental hazards. We promote a healthy environment and prevent premature death, avoidable illness and disability caused by non-infectious, non-occupational environmental and related factors. We are especially committed to safeguarding the health of people who are at increased/higher risk—such as people from racial and ethnic minority groups, people with lower socioeconomic status, children, the elderly, and people with disabilities—from environmental hazards.

The National Health Research Institutes (NHRI)

Address : 35, Keyan Road, Zhunan Town, Miaoli County 350, Taiwan, ROC
Phone : +886-37-206-166
Web : <https://www.nhri.edu.tw/eng/>



The National Health Research Institutes (NHRI) is a non-profit foundation established by the Taiwan government. The mission of NHRI is dedicated to the enhancement of medical research and the improvement of health care in this country.

COMPANY PROFILES

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Address : No.100, Shih-Chuan 1st Road, Sanmin Dist., Kaohsiung City,
80708, Taiwan
Phone : 886-7-312-1101
Web : <https://www.kmu.edu.tw/index.php/en-gb/>



Kaohsiung Medical University (KMU), founded in 1954, is the first private medical institution in Taiwan. It currently comprises seven colleges: Medicine, Dentistry, Pharmacy, Nursing, Health Sciences, Life Sciences, and Humanities and Social Sciences. KMU is a distinguished medical university known for its emphasis on teaching, research, and clinical medicine.

Since its establishment, KMU has held the crucial mission of “cultivating medical professionals, caring for the physical and mental well-being of the public, and supporting the underprivileged.” Through years of dedicated efforts, 46 alumni have been honored with the Medical Contribution Award, positioning KMU as the frontrunner among medical institutions nationwide.

Department of Health, Kaohsiung City Government

Address : No.132-1, Kaisyuan 2nd Rd., Lingya District,
Kaohsiung City 802212, Taiwan (R.O.C.)
Phone : +886-7-7134000
Web : <https://khd.kcg.gov.tw/en/>



Our department is dedicated to safeguarding the health of Kaohsiung residents and promoting public health. Our mission is to provide high-quality medical services, prevent diseases, control outbreaks, strengthen the health care system, and ensure the best quality of life for the people of Kaohsiung. Simultaneously, we collaborate with local healthcare institutions and communities to promote health education and raise awareness among citizens about health-related issues. Our department is dedicated to building a healthier Kaohsiung, and we look forward to working together with the citizens to achieve this goal.

Kaohsiung Municipal Kai-Syuan Hospital

Address : No.130, Kaisyuan 2nd Rd., Lingya Dist., Kaohsiung City 802211,
Taiwan (R.O.C.)
Phone : +886-7-751-3171
Web : <https://ksph.kcg.gov.tw/english/index.htm>



Kaohsiung Municipal Kai-Syuan Hospital is the largest psychiatric specialty teaching hospital in Taiwan. It serves as the core psychiatric medical center in southern Taiwan. In addition to delivering high-quality psychiatric healthcare services, the hospital is fully committed to supporting national mental health and long-term care policies. It also undertakes the role of a core hospital in the Kaohsiung-Pingtung mental health and the emergency psychiatric care network. The drug dependence treatment center and the forensic psychiatric ward have built a mental fortress for the residents of southern Taiwan and provided the best mental health care. We aspire to offer more comprehensive, continuous, and accessible psychiatric healthcare services to the people in Taiwan.



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