

The Experience of PA-MAP Project: an information path in primary schools to raise community awareness about air pollution

Original

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36th Annual Conference of the International Society for Environmental Epidemiology

August 25- 28, 2024



**Final
Program
Book**



#ISEE2024

www.ISEEconference.org



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WELCOME BY THE ISEE PRESIDENT

Dear colleagues,

On behalf of the International Society for Environmental Epidemiology (ISEE) it is with great pleasure that I extend a warm welcome to each of you who will gather in Santiago, Chile, for our 36th Annual Conference. From August 25th to 28th, 2024, we will come together to explore important issues at the intersection of environmental health, justice, and development.

We are excited about the scientific discussions that the conference theme, “Addressing Challenges in Environmental Health, Justice, and Development,” will provide us with. We’ll delve into the latest research on climate change, air quality, chemical exposures, and a wide array of environmental health threats. At the same time, we will keep equity at the center of our work, considering how environmental risks disproportionately affect the most vulnerable populations, discussing strategies to promote environmental justice, and advocating for policies that ensure everyone benefits from a healthier environment. The backdrop to these discussions encompasses the concept of sustainable development, which is inseparable from environmental health.

Our program features plenary sessions, oral and poster presentations, and symposia offering a wide variety of opportunities for students and young investigators, along with seasoned researchers, to present their work, engage in lively debates, share insights, and forge connections that will shape the future of environmental epidemiology. I also recommend that you don’t miss the Annual General Assembly on Monday during the lunch break, an excellent opportunity to get to know ISEE, its committees and regional chapters better.

We are delighted to welcome the conference back to Latin America, in the beautiful city of Santiago, nestled against the majestic Andes Mountains. This return comes at a time when, for the first time, ISEE has a president from the Latin America and Caribbean region, which makes me particularly proud to be serving the Society at this time.

Promoting the geographic diversity of our conferences allows researchers, practitioners, and policymakers from this and other regions of the world to exchange knowledge, experiences, and engage in potential collaborations. Furthermore, Latin America is home to unique environmental challenges that can enrich our understanding of global health, strengthening our collective efforts to address environmental health issues worldwide.

Many thanks to Maria Elisa Quinteros Cáceres and Verónica Iglesias Alamos, Conference Co-Chairs, and to the Chilean Local Organizing Committee for their hard work in serving as hosts of this year’s conference. Also, a special thanks to the many staff and volunteers who made this meeting possible. Our immense gratitude to the International Scientific Committee for putting together an excellent and interesting program.

Finally, I would like to thank all of you, the attendees. Your insightful contributions, engaging discussions, and unwavering commitment to advancing environmental health, make the conference a special event every year. You help us to thrive as a Society by bringing your expertise, your curiosity, your global perspectives, and your shared vision of a healthier environment.

Welcome to the 36th ISEE conference!



Nelson Gouveia
President
International Society for Environmental Epidemiology



WELCOME BY THE 2024 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 Santiago, Chile. As with the 34th (Athens, Greece) and 35th (Kaohsiung, Taiwan) conferences, the 36th ISEE Annual Conference is a hybrid conference with attendees joining us both in person and virtually. Since the first meeting in 1989 (Upton, USA), the ISEE Annual Conference has been the preeminent international conference in environmental epidemiology. The ISEE tradition of hosting the meeting across the world has helped to advance and promote environmental epidemiology globally.

The theme of the 2024 Conference is “Addressing challenges in environmental health, justice, and development,” and will showcase how scientists from across the globe are addressing current environmental health, environmental justice, and epidemiological challenges. The 2024 Conference will cover a variety of topics including empirical evidence, methodological approaches, as well as ethical and theoretical developments.

The local conference organizers, in coordination with a global panel of ISEE members, have worked to assemble an exciting program which includes a wealth of multi-disciplinary topics reflecting the current state of environmental epidemiology, including policy-relevant topics. This year's program features keynote lectures, panels, symposia, career development talks, and much more – all from a global assortment of scientists. Oral and poster presentations are being hosted in person and virtually to reach the broadest audience possible and allow those who cannot be present in person to still see what the current and next steps are for environmental epidemiology and its sub-disciplines.

We are thrilled to see the growth in early career researchers joining ISEE at our annual meetings. The ISEE Student and New Researchers Network (SNRN) has organized two sessions that will provide invaluable insights for those early in their scientific careers: Transitioning from PhD to Postdoc (August 27 at 16:30) and Beyond Academia: fulfilling and exciting non-academic careers (August 28 at 11:45).

As with past conferences, ISEE is committed to increasing the sustainability of the annual meeting. Hybrid sessions scheduled to be convenient for a wide range of time zones help to increase the accessibility of the annual meeting and reduce its impact on our planet.

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



Tamara Schikowski & Cavin Ward-Caviness
(Co-Chairs of the Annual Conference Committee)



WELCOME BY LOCAL ORGANIZING COMMITTEE

Dear Members of the ISEE Scientific Community:

With great enthusiasm, we welcome you to the 36th Annual Conference of the International Society for Environmental Epidemiology, to be held from August 25 to 28, 2024, in Santiago, Chile. This event is an opportunity to come together, share knowledge, and strengthen our collaborations in the field of environmental health.

This year's theme, **Addressing challenges of environmental health, justice, and development**, reflects our commitment to cutting-edge research and equity in sustainable development. Over the conference days, we will have the opportunity to attend inspiring lectures, discuss how the scientific community faces current environmental health justice issues, and epidemiological challenges, including empirical evidence, methodological approaches, ethical and theoretical developments.

The content of this e-book reflects the diversity of topics addressed, which will be presented by 1031 presenters from 75 countries and have been organized into 25 symposia, 663 oral presentations, 189 poster discussions, 72 virtual oral presentations, and 288 e-posters. We hope this document will help to disseminate your work and foster future collaborations.

We sincerely appreciate your participation, as each of you brings a diverse perspective to the conference. In this regard, we rely on you to ensure an environment of discussion where all voices are heard and valued. We are confident that the interactions and learning during the event will enrich our work and contribute to advancing greater well-being for the population.

In addition to the academic sessions, we have prepared a series of activities designed to promote interaction and camaraderie in a relaxed and welcoming environment. We hope you will actively participate!

Finally, on behalf of the Local Organizing Committee and the Latin American and Caribbean Chapter of ISEE, we express our heartfelt gratitude to everyone who has joined us on this journey. The support and enthusiastic collaboration of all those involved have been fundamental to the realization of this event.

We invite you to enjoy every moment of the conference, take advantage of the networking opportunities, and find inspiration in your exchanges with others.

Welcome to ISEE 2024!

Warm regards,



María Elisa Quinteros & Verónica Iglesias
on behalf of the Local Organizing Committee and Latin American and Caribbean Chapter



MOBILE APPLICATION

The official ISEE 2024 app allows participants to:

- Navigate the Conference program
- Post to social media accounts
- Follow meeting news and alerts

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



**Download from
IOS/App Store**



**Download from
Android/Google Play**

The event code for the mobile application is **ISEE2024**.



COMMITTEES

ISEE Leadership

Officers

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Nelson Gouveia, MD, MSc, PhD

Past-President (2024-2025)

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Pau-Chung Chen, MD, PhD (2024-2026)

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

Jaime E. Hart, ScD (2022-2024)

Musa A. Kana, MD, MPH, PhD (2024-2026)

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

Students and New Researchers Network (SNRN) Committee Members

Amira Aker, MPH, PhD

Aditi Roy, PhD

Ashtyn Areal, MSc, PhD Candidate

Brenda M. Trejo Rosas, MPH, PhD Candidate

Chinonso Odebeatu, M.Sc., PhD Candidate

Estela Blanco, PhD, MPH, MA

Jaime Reyes, MD, MS, PhD Candidate

Maria Luisa Medina Pizzali, M.Sc, PhD Candidate

Marine Savoure, M.Sc., PharmD, PhD

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

Nur Sabrina Idrose, M.Sc., PhD

Local Organizing Committee

Chair

Maria Elisa Quinteros Caceres, DDS, MSc, PhD

Co-Chair

Veronica Iglesias Alamos, MSc, PhD

LOC Members

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Raquel Jimenez, PhD

Rafael Junqueira Buralli, PhD

Boris Lucero, MSc, PhD

Maria Pia Munoz, MPH

Maria Teresa Munoz-Quezada, MSc, PhD

Laura Rodriguez, PhD

Pablo Ruiz-Rudolph, ScD, PhD

Karla Yohannessen, MPH, PhD



36th Annual Conference of the International Society for Environmental Epidemiology

August 25-28, 2024



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 [2024-2026]

PAST PRESIDENT (2024)

SECRETARY-TREASURER [2019-2024]

Councilors

Nelson Gouveia, MD, MSc, PhD

Andrea Baccarelli, MD, PhD

Michelle Turner, PhD

Jaime E. Hart, ScD [2022-2024]

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

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Zorana Jovanovic Andersen, PhD [2022-2024]

Pau-Chung Chen, MD, PhD [2024-2026]

Musa A. Kana, MD, MPH, PhD [2024-2026]





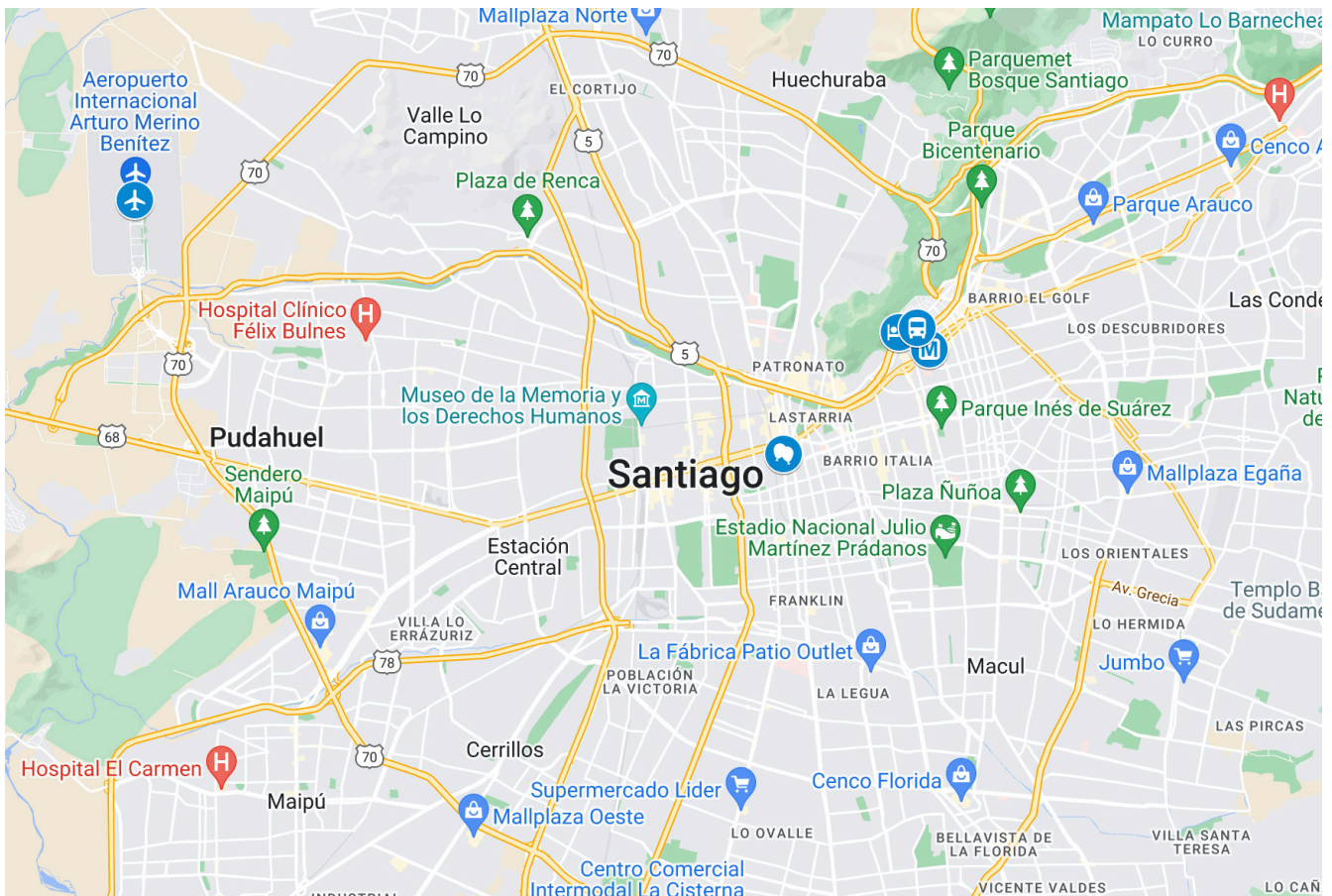
VENUE INFORMATION & FLOOR PLAN

SHERATON SANTIAGO HOTEL & CONVENTION CENTER

The ISEE 2024 Annual Conference will be held at Sheraton Santiago Hotel & Convention Center

Ave Santa Maria 1742, Santiago, CHILE
Tel: +56 2-22335000

HOW TO REACH THE SHERATON SANTIAGO HOTEL & CONVENTION CENTER



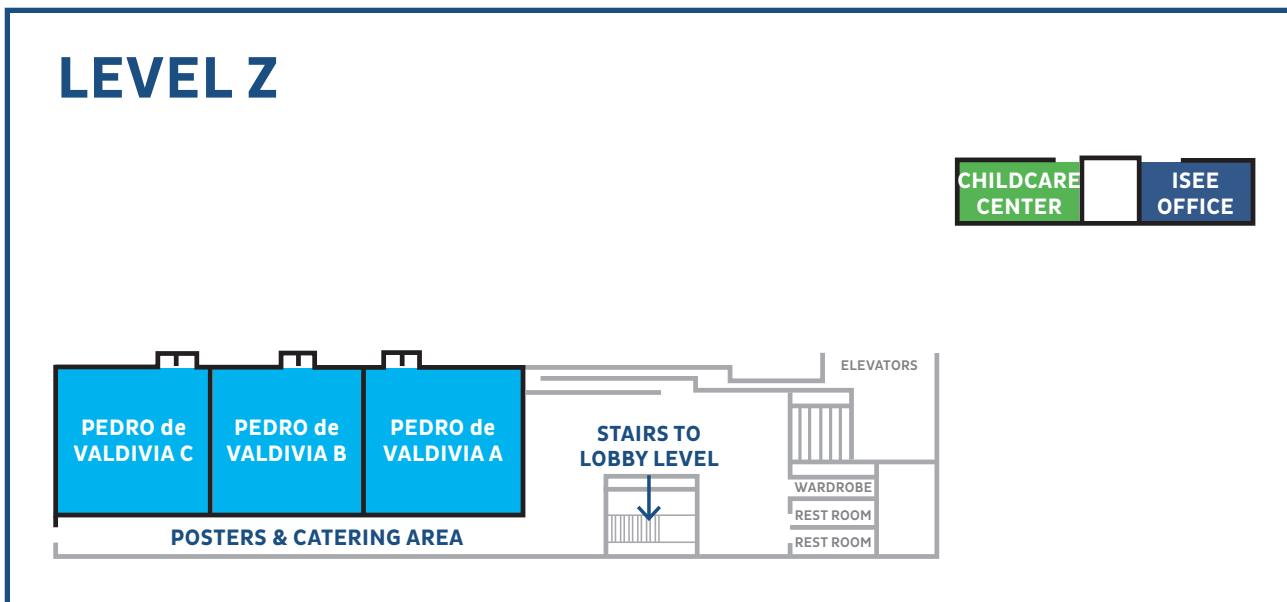
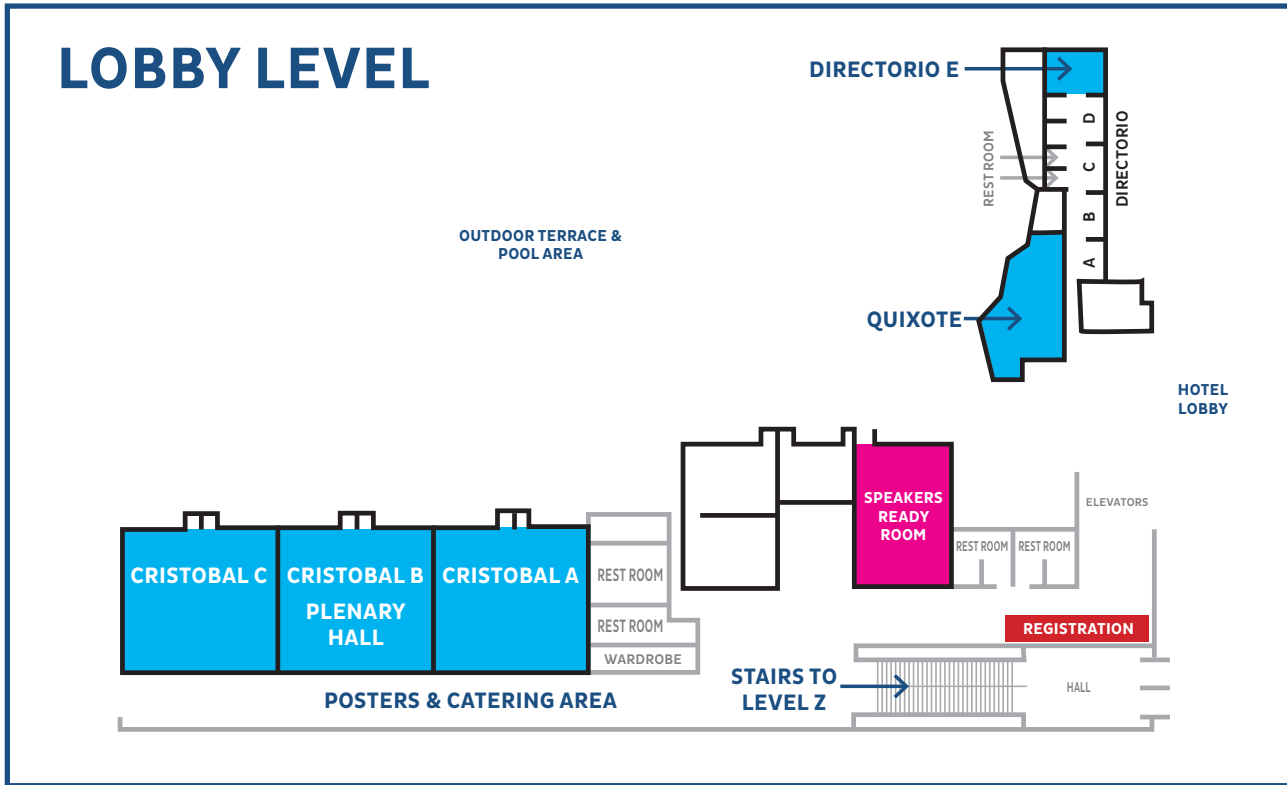
Nearby Bus Station: Clinica Indisa

Nearby Subway Station: Pedro de Valdivia

From Arturo Merino Benítez International Airport: Depending on the traffic, the drive from / to airport to/from conference venue will take 45 min to 1 hr. From airport; you may use official taxis or Uber to reach city center. You may also book in advance your private transfer with the conference preferred partner



FLOOR PLAN





GENERAL INFORMATION

CONFERENCE VENUE

Sheraton Santiago Hotel & Convention Center

Address: Av. Sta. María 1742, 7500000 Santiago, Providencia, Región Metropolitana, Chile

LANGUAGE

The language spoken in Santiago is Spanish, but English is widely spoken by all individuals who work within the tourism industry. The official language of the 36th ISEE Annual Conference is English.

TIME ZONE

During ISEE 2024, Chile will be operating on Chile Standard Time (CLT), which is 4 hours behind GMT (UTC-4).

CLIMATE

August is one of the colder months in Santiago. Daytime temperatures typically range from 10°C to 18°C (50°F to 64°F). However, it can get cooler in the evenings and early mornings, with temperatures dropping to around 3°C to 10°C (37°F to 50°F). Since August is a relatively dry month, rainfall is minimal, and you can expect only a few rainy days during the month.

Despite the cooler temperatures, Santiago still enjoys a fair amount of sunshine in August. You can expect clear or partly cloudy skies, making it a pleasant time to explore the city.

Given the cooler temperatures, it's advisable to pack warm clothing, including layers, a medium-weight jacket or coat, and comfortable walking shoes if you plan to explore the city. Don't forget to check the local weather forecast closer to your travel dates for the most accurate and up-to-date information on weather conditions during your stay.

ELECTRICITY

In Chile, there are two associated plug types, types C and L. Chile operates on a 220V supply voltage and 50Hz. International travelers are advised to bring their own power adapter.

CURRENCY & EXCHANGE

The legal currency of Chile is the Chilean peso. Currently there are coins of 10, 50, 100, and 500 pesos and banknotes of 1,000, 2,000, 5,000, 10,000, and 20,000.

The easiest way to obtain cash is by using ATMs, which operate under the "Redbank" sign. These cashpoint machines take Visa and MasterCard, and permit transactions up to 250.- US Dollars. However, they are only available in major cities.

MasterCard, Visa, American Express, and Diners Club cards are sporadically accepted throughout the country, though visitors should not count on being able to use their credit card in rural areas. Shop owners will sometimes charge more for purchases made with a credit card.

Unlike some other South American countries, US dollars are rarely accepted in Chile except in some hotels. Therefore, we recommend you have some pesos in cash. The government does not regulate the market of foreign currency in Chile. You can exchange money at any established "Casa de Cambio" at market-driven exchange rates. They are common in commercial areas as well as in shopping malls. Please note 100 US Dollar bills are not usually accepted due to past problems with counterfeiting.



GENERAL INFORMATION

PUBLIC TRANSPORT

RED Metropolitana de Movilidad: Public transportation in Santiago operates with a combination of minibuses and the Metro. The service covers 34 towns in the metropolitan area, distributed into trunk routes along the main avenues, and feeder routes that link users up with the trunk routes and the Metro.

The fare is paid with the **bip! card**, which allows take a trunk route bus, a feeder bus and the Metro, for the cost of a single passage, in a maximum of two hours. The card can be purchased and recharged at any Metro station and in established outlets.

www.transantiago.cl

www.tarjetabip.cl

Metro de Santiago: The Metro has five lines running from east to west and from north to south, linking up a large part of the metropolitan area. The website can be used to plan to travel around the capital.

www.metro.cl

SAFETY & SECURITY

Please do not leave bags or suitcases unattended at any time, whether inside or outside the session halls. Hotels strongly recommend that you use their safety deposit boxes for your valuables.

If you are a victim of crime, call the local police on 133. If you are injured and require immediate medical attention, call emergency medical services on 131.

PARTICIPANTS BADGE, CERTIFICATE OF ATTENDANCE

All Conference activities (including scientific sessions, meal functions, exhibit hall, poster area) are exclusively reserved for registered participants. 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 electronically to your email address after the Conference.

REGISTRATION DESK & ITS OPERATING HOURS

Registration desk will be at the Lobby level of Sheraton Santiago Hotel right before the Convention Center.

Sunday, August 25, 2024	15:00 – 19:00
Monday, August 26, 2024	07:30 – 18:30
Tuesday, August 27, 2024	08:00 – 18:00
Wednesday, August 28, 2024	08:00 – 17:00

EXHIBITION AREA & ITSHOURS

Exhibition will take place in the foyer at Lobby Level.

Sunday, August 25, 2024	18:30 – 20:15
Monday, August 26, 2024	09:00 – 19:00
Tuesday, August 27, 2024	09:00 – 18:00
Wednesday, August 28, 2024	09:00 – 17:00



GENERAL INFORMATION

SPEAKERS' READY ROOM & ITS OPERATING HOURS

All speakers are kindly requested to upload their presentations in the Speakers' Ready Room (**O'Higgins – Lobby Level**) at least **3 hours** prior to the start time of their sessions. If the session is the first session in the morning, please upload your presentation the day before.

Sunday, August 25, 2024	13:00 – 18:00
Monday, August 26, 2024	07:00 – 19:30
Tuesday, August 27, 2024	07:30 – 19:00
Wednesday, August 28, 2024	07:30 – 18:30

POSTER VIEWING AND PRESENTATION TIMES

Discussion posters will be displayed as paper posters while all free posters are in e-poster format; displayed on e-poster stations and available on e-poster platform. The poster boards are located in the foyers of Conference Center on both **Lobby Level & Level Z**.

SCHEDULE FOR POSTER DISCUSSION POSTERS

There will be a poster session on each day of the conference and the set of discussion posters will be changed every day. All discussion poster presenters must be next to their posters during below stated display hours:

Poster Session 1 – Monday, August 26, 2024

Set-up	: 09:00 – 09:45
Poster Display Hours	: 09:45 – 10:15 and 16:15 – 16:45
Dismantle	: 16:45 – 17:15

Poster Session 2 – Tuesday, August 27, 2024

Set-up	: 09:00 – 09:30
Poster Display Hours	: 09:30 – 10:00 and 16:15 – 16:45
Dismantle	: 16:45 – 17:15

Poster Session 3 – Wednesday, August 28, 2024

Set-up	: 09:00 – 09:45
Poster Display Hours	: 09:45 – 10:15 and 15:45 – 16:15
Dismantle	: 16:15 – 16:45

ABSTRACTS

Abstracts will be accessible and searchable to all delegates via the EHP Journal on the ISEE 2024 Conference Website.

WIFI

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

Network name : Sheraton_Conference

Password : Sheraton

SOCIAL GUEST ATTENDANCE POLICY

Social guests may attend 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.



GENERAL INFORMATION

CHILDCARE CENTER

There will be a Childcare Center within the Conference Venue for children who are between the ages of 3 & 13. The center will serve children who have been registered by their parents, speaking the local language & English. The center is Room Las Condes located on Level Z and will be open from 08:00 to 19:00 between August 26-28, 2024.

NOTICE OF FILMING & PHOTOGRAPHY

By attending the ISEE 2024 Conference in person, you are entering 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 the ISEE 2024 Virtual Conference Platform, ISEE social media channels, as well as ISEE Society and Conference websites.

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

MOBILE APP

The official ISEE 2024 app allows participants to:

- Navigate the Conference program
- Post to social media accounts
- Follow meeting news and alerts

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



Download from
IOS/App Store



Download from
Android/Google Play

The event code for the mobile application **ISEE2024**.

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 2024 CONFERENCE ORGANIZING SECRETARIAT





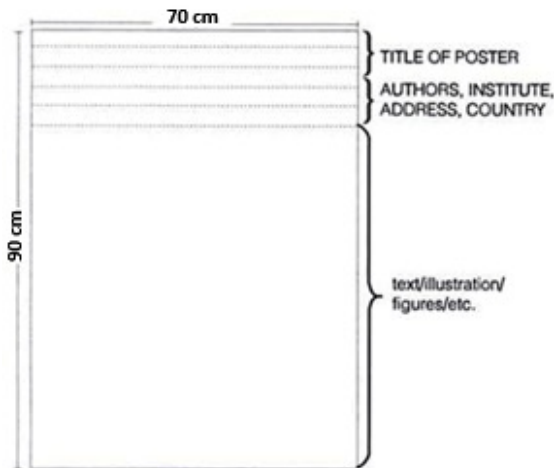
PRESENTER GUIDELINES

SYMPOSIUM AND ORAL ABSTRACT PRESENTATION GUIDELINES

Delegates who will present should submit their presentation files in the speaker ready room at least three hours before their session. If your presentation is early in the morning, it is advised to load the presentation the day before.

ORAL DISCUSSION POSTER PRESENTATION GUIDELINES

- Posters should be prepared in portrait format of dimensions **NO MORE than 90 cm (height) x 70 cm (width)**.
- Abstract title, author(s) and affiliation(s) should appear on top of the poster.
- Please make sure that your poster can be read easily from a distance of 2 meters.



- All the material necessary for attaching the poster to the poster board is available at the posters' help desk in the respective poster area.
- Authors are responsible for setting up and removing their posters.
- All posters must be written entirely in English.
- **Posters should be displayed on the assigned day.**
- Posters that are not taken down from the poster boards by the dismantle deadline will be taken down and discarded by the organization.

POSTER DISPLAY AND PRESENTATIONS

Set-Up, Presentation and Dismantle Schedule: Oral Discussion Posters have been assigned to one of the poster sessions below.

POSTER SESSION 1:

Set-up:
Monday, August 26, 2024, 09:00 – 09:45

Poster Display Days & Hours:
Monday, August 26, 2024, 09:45 – 10:15 and
16:15 – 16:45

Dismantle:
Monday, August 26, 2024, 16:45 – 17:15

POSTER SESSION 2:

Set-up:
Tuesday, August 27, 2024, 09:00 – 09:30

Poster Display Days & Hours:
Tuesday, August 27, 2024, 09:30 – 10:00 and
16:15 – 16:45

Dismantle:
Tuesday, August 27, 2024, 16:45 – 17:15

POSTER SESSION 3:

Set-up:
Wednesday, August 28, 2024, 09:00 – 09:45

Poster Display Days & Hours:
Wednesday, August 28, 2024, 09:45 – 10:15 and
15:45 – 16:15

Dismantle:
Wednesday, August 28, 2024, 16:15 – 16:45



PRE-CONFERENCE WORKSHOPS on August 25, 2024

Workshop 2 (Full Day – English)

Bayesian spatiotemporal modelling for environmental data with NIMBLE

Course Faculty : Garyfallos Konstantinoudis (United Kingdom), Robbie Parks (USA)
Time : 09.00 – 13.00 & 14.00-18:00
Hall : Valdivia B

Target Audience: PhD students and researchers interested in Bayesian models and R

About This Workshop:

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.



PRE-CONFERENCE WORKSHOPS on August 25, 2024

Workshop 3 (Half Day – English)

Climate crisis and health – from research to policy. A primer with the focus on United Nations COP climate negotiations.

Course Faculty : Kurt Straif (Spain), George Thurston (USA), Mary Rice (USA), Luis Abdon Cifuentes (Chile), Milena Sergeeva (USA)

Time : 14:00- 18:00

Hall : Valdivia C

Target Audience: ISEE members and other participants interested in evidence translation and advocacy in the area of climate change and health

About This Workshop:

“Undoubtedly health stands as the most compelling reason for taking climate action.” (Dr. Tedros, DG WHO). This workshop (WS) aims to orientate participants interested in climate change and health (CCH), discuss research and policy strategies on climate action and health, with a focus on COP negotiations. Last year, official Observers from ISEE attended COP28, and CCH has been reconfirmed as a priority for the ISEE Policy Committee. What to expect at COP, how to prepare efficiently, the role of Observers and opportunities for moving the needle. Based on the experience of the WS faculty who have attended several COPs in different roles, we will provide background information on CCH. Topics will be discussed with a perspective on research gaps and opportunities, and strategies for making a difference on evidence-informed policy on CCH at COP and everywhere. The WS outcomes will be taken to the panel discussions of the symposium “Climate and Health at COP28”.

Topics include:

UN Treaties related to health (Earth Summit, Rio; MDGs and SDGs, Montreal Protocol, and Conventions); COP, History (Kyoto protocol, Paris Agreement), functioning via Nationally Determined Contributions (NDC), main negotiation topics; COP, major Party players (like G-77), Umbrella Observer Organisations (like RINGO, YOUNGO), Global Climate Health Alliance (GCHA); COP structure, Green Zone (including Party negotiations), Blue zone (including Press conferences) Subsidiary Body meetings; COP and Health, short history; COP28, science and advocacy in run-up to COP28, including ISEE Statement; IPCC WG2 Report, Lancet Countdown, Lancet Pathfinder; various statements; WHO analysis of health in NDC; ISEE-supported Abu-Dhabi pre-COP28 conference. Health at COP28, first ever Health Day at COP, Health Declaration, Proposal for WHA resolution; WHO-ATACH Alliance; Updates from Subsidiary Body meeting, SB60, Bonn, June 2024; Outlook, next COPs; alternatives to consensus decision making; binding treaties, upcoming treaties (UNEP Global Plastics Treaty), WHO Research agenda REACH 2035.



PRE-CONFERENCE WORKSHOPS on August 25, 2024

Workshop 4 (Half Day – Spanish)

Biomonitoring of contaminants: methodological challenges for action in Ibero-American populations

Course Faculty : Sandra Cortes (Chile), Katarzyna Kordas (USA), Martha M Téllez-Rojo (Mexico),
Marcela Tamayo (USA), Nelly Mañay (Uruguay)

Time : 09:00 – 13:00

Hall : Valdivia C

Target Audience: Postgraduate students, public health researchers, representatives of community organization

About This Workshop:

The countries of Latin America and the Caribbean (LAC) face a variety of environmental health problems. However, strategies for their control and prevention, with a focus on population health, are diverse and often scarce and inadequate. Among them, human biomonitoring (HBM) programs developed in the United States or the European Community have made it possible to quantify the population's exposure to metals, pesticides, and other emerging contaminants, allowing the development of targeted and specific strategies in groups with higher levels of exposure or exposed to scenarios of greater social or ethnic vulnerability. To advance in the installation of HBM programs, it is necessary to establish a minimum working framework to share experiences and allow progress in the comparability of their methodologies, based on experiences from different countries.

Main contents:

1. Introduction to HBM, purpose, types of biomarkers.
2. Principles of HBM study design, sampling, data collection.
3. Considerations for laboratory analysis and interpretation of results
4. Communication of HBM results
5. Limitations and strengths of the experience in LAC and Spain.

Activities will be based on Human biomonitoring.

Basics: educational course (who.int) Each content will be covered in 20-minute presentations, plus the execution of one workshop.

Workshop objectives:

1. To review the applicability of the basic concepts through a group exercise.
 2. To analyze possible designs of HBM programs in the general population, workers and children.
- It is expected that this workshop will encourage the establishment of HBM programs in LAC countries as part of the strategies needed to assess and communicate risks and promote sustainable environmental controls and health prevention programs.



36th Annual Conference
of the International Society
for Environmental
Epidemiology

August 25-28, 2024



DAILY PROGRAM

DAY 1
AUGUST 26, 2024
MONDAY



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL A
08:00	08:15	Opening Ceremony
08:15	09:00	Keynote Lecture 1 Chair: Michelle Turner Planetary health - Ebba Malmqvist
09:00	09:45	Keynote Lecture 2 Chair: Maria Elisa Quinteros Caceres Ethics of cohabitation - Ricardo Rozzi
09:45	10:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:15	11:45	Symposium 01 Scientific Evidence and Activism: Perspectives on Socio-Environmental Conflicts Chairs: Maria Elisa Quinteros Caceres & Karla Yohannessen Defending Life and Water Against the Pascua Lama Project - John Melendez Large extractivist operation: community, legal and scientific perspectives - Alejandra Donoso Large extractivist operation: community, legal and scientific perspectives - Pablo Ruiz Green Extractivism in The Atacama Desert: Lithium Mining and Global Societal Challenges - Ramón Balcázar
11:45	13:15	Symposium 04 Climate and satellite data and health outcomes across the lifespan and across continents from the Middle East to Latin America Chairs: Wael Al-Delaimy & Briana Chronister The heat-mortality association in Jordan: Effect modification by greenness, population density and urbanization level. - Leire Luque A comparative analyses of Heatwaves, Urban Heat Islands, and Human Wellbeing in cities across the Middle East and North Africa (MENA) - Kenza Khomsi Between Dusty Days and Hot Days: The Impact of Kuwait's Harsh Climate on Diabetes - Barrak Alahmad Ambient temperature during pregnancy and fetal growth in Eastern Massachusetts, USA - Marc Weisskopf Home distance to Greenhouse Floricultural and Organophosphate, Pyrethroid, and Neonicotinoid Urinary Metabolite Concentration in Ecuadorian Adolescents - Briana Chronister
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL A
14:45	16:15	<p>Symposium 06 Assessing environmental justice for communities living in industrially contaminated areas: sharing approaches and experiences</p> <p>Chairs: Ivano Iavarone & Marcela Tamayo-Ortiz</p> <p>Promoting environmental justice in industrially contaminated areas: from national assessments of environmental health inequalities to approaches focused on single communities - Roberto Pasetto Urgency in contaminated sites in Chile: methodological options and socio-environmental approach - Sandra Isabel Cortés Arancibia Child living and health conditions after a mining dam rupture in Brazil - Bruminha Project - Carmen Froes Asmus Research-Community Partnerships for promoting Procedural Environmental Justice in industrially contaminated areas - Daniela Marsili Unmasking Environmental Injustice: A Study on Asbestos Hazards in the City of Sibaté, Colombia - Juan Pablo Ramos-Bonilla</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:45	17:45	<p>Pecha Kucha Session 01 The invisible health threat: short- and long-term impacts of air pollution</p> <p>Chairs: Michelle Turner & Nasser Louali</p> <p>Prenatal air pollution exposure and risk of autism: findings from ECHO cohorts - Akhgar Ghassabian Exploring impacts of air pollution and greenness on progressions of latent and active tuberculosis to inform interventions - Erjia Ge Long-term Exposure to Traffic-Related Air Pollution and Cause-Specific Respiratory Hospitalizations Across 14 U.S. States - Adjani Antonela Peralta Short-term association between ambient ozone and onset of acute myocardial infarction of young patients: Results from the VIRGO study - Siqi Zhang Mortality impacts of NO2 emissions controls in Melbourne, Australia - Timothy Chaston Temporal Change in the Effects of Particulate Matter on Mortality: A Multi-City Multi-Country Analysis from 143 Cities Across 26 Countries - Yongsoo Choi Dust storms and emergency department visits in the southwestern United States, 2005-2016 - Howard H. Chang Characterizing indoor air quality associated with electric heating, cooking, and smart filtration appliances in disadvantaged communities in San Joaquin Valley - Katherine Ann Kearns</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL A
17:45	19:15	<p>Symposium 08 Bayesian models for Environmental Health</p> <p>Chairs: Garyfallos Konstantinoudis & Robbie Parks</p> <p>Spatial Bayesian Distributed lag non-linear models - Marcos Quijal-Zamorano Domestic radon exposure and childhood cancer incidence in 722 counties in the United States, 2001-2018 - Matthew Bozigar Modelling the effects of ambient air pollution exposure on children's mental health outcomes - Abi Riley Suicide mortality rates in England: a spatiotemporal study between 2002 - 2020 - Connor Gascoigne Using the Bayesian Non-Parametric Ensemble (BNE) for more accurate and precise identification of disparities in PM2.5 exposures - Marianthi-Anna Kioumourtoglou</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL B
08:00	08:15	Opening Ceremony
08:15	09:00	Keynote Lecture 1 Chair: Michelle Turner Planetary health - Ebba Malmqvist
09:00	09:45	Keynote Lecture 2 Chair: Maria Elisa Quinteros Caceres Ethics of cohabitation - Ricardo Rozzi
09:45	10:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:15	11:45	Symposium 02 Wildfire smoke exposure during pregnancy: impacts on infant and child health outcomes Chairs: Allison R. Sherris & Amy Padula Methodological considerations and opportunities for wildfire smoke and pregnancy and child development outcomes - Tarik Benmarhnia Causal effect estimates of wildfire PM2.5 on stillbirth in California - Joan A. Casey Pregnancy Exposure to PM2.5 from Wildland Fire Smoke and Preterm Birth in California - Sally Picciotto Wildfire-specific PM2.5 exposure and adverse birth outcomes in the U.S. ECHO-wide cohorts - Allison R. Sherris Prenatal wildfire smoke exposure and child neurodevelopment - Rebecca J. Schmidt
11:45	13:15	Symposium 05 Integration approaches for epidemiological evidence to support public health decision making Chairs: Kyla Taylor & Sorina Eftim Epidemiology and Human Health Risk Assessment in the IRIS Program - Krista Christensen The OHAT approach to evidence integration of epidemiological studies to support decision making - Kyla Taylor European research on PFAS and health in highly polluted communities. - Tony Fletcher Environmental health risk assessment in Chile: strengths and limitations - Sandra Isabel Cortés Arancibia
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL B
14:45	16:15	<p>Symposium 07 Multi-omics applications in the era of precision environmental health</p> <p>Chairs: Donghai Liang & Tanya Alderete</p> <p>Beyond a single factor: Cutting-Edge Approaches in Environmental Mixtures and Omics Research - Jesse Goodrich The Gut Microbiome and Fecal Metabolome as a Link Between Early Life Air Pollution Exposure and Childhood Obesity - Tanya Alderete Integration of the Metabolome and Epigenome in Unravelling the Biological Mechanisms Underlying the Relationship between Ambient PM2.5 and Preterm and Early-term Birth - Donghai Liang Multi-omics signatures of seasonality in the general population and their relation to common diseases in Northeast Germany - Johannes Hertel Leveraging Exposomics and Multi-omics to Investigate the Pathobiology of Asthma - Peng Gao</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:45	17:45	<p>Pecha Kucha Session 02 Regulatory Changes, Global Challenges, and Maternal Health</p> <p>Chairs: Diana Alcantara & José F. Cordero</p> <p>Effects of maternal HIV infection on low, very low, and extremely low birth weight: a population-based study in Brazil - Ilce Ferreira Da Silva Associations between Residential Proximity to Oil and Gas Development and Hypertensive Disorders of Pregnancy in a North American Preconception Cohort - Mary D. Willis Spatial Analysis of Infant Mortality and Hazardous Sites across US States - Sharon J Kulali Environmental Tobacco Smoke Exposure and Perinatal Health Outcomes in the United Arab Emirates: Interim Analysis from The Mutaba'ah Study - Tom Loney Investigating the Aliso Canyon Gas Blowout Disaster and Adverse Birth Outcomes: A Quasi Experimental Approach - Kimberly C Paul Heatwaves and Home Births: Impact of Extreme Heat on Delivery Choices in India - Arnab K. Dey Prenatal and preconception exposure to pesticide mixtures and ADHD in childhood - Melissa Furlong Evaluating the Multiple Health Effects of the Early Life Exposome from childhood to adolescence: An Outcome-Wide Approach - Augusto Anguita Ruiz Prevalence of obesity in Uruguayan and Brazilian children according to exclusive breastfeeding duration and ultra-processed food intake - Isabel Pereyra González</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL B
17:45	19:15	<p>Symposium 09 Strengthening environmental surveillance to advance health-promoting policies</p> <p>Chairs: Yi Lu, Hassan Ali Dalvi Shirazi & Sumi Mehta</p> <p>Promoting child health and environmental equity through a children's environmental health information system - Qiang Wang</p> <p>Strengthening government's surveillance and clinical responses to lead exposure in Peru - Maria Elena Arias Coronel</p> <p>Leveraging air quality monitoring data in Jakarta, Indonesia – local impact assessments to guide government regulations - Ginanjjar Syuhada</p> <p>Role of frontline health professionals in improving air quality and climate health surveillance in India - Ambrish Kumar Chandan</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL C
08:00	08:15	Opening Ceremony
08:15	09:00	Keynote Lecture 1 Chair: Michelle Turner Planetary health - Ebba Malmqvist
09:00	09:45	Keynote Lecture 2 Chair: Maria Elisa Quinteros Caceres Ethics of cohabitation - Ricardo Rozzi
09:45	10:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:15	11:45	Symposium 03: Novel Exposure Assessment Strategies to Investigate Health Risks from Agrochemicals among Understudied Agricultural Communities and Workers in South America: Methodological Challenges, Perspectives, Findings, and Future Directions Chairs: Lesliam Quirós-Alcalá & Sandra Cortes Arancibia Participatory research for the reduction of vulnerability and exposure to pesticides in horticultural production in Córdoba, Argentina - Mariana Butinof Pesticide Exposures Among Brazilian Smallholder Family Farmers: Why and How it is Strongly Impacting Women's Health - Rafael Junqueira Buralli Assessing contaminants of emerging concern in agricultural settings and report back to the community in the METALES Study - Melissa DeSantiago Building Capacity among Community Health Workers for the Report Back of Environmental Exposures in a Chilean Agricultural Community - Grant Tore Lessons learned and future directions in epidemiologic agrochemical research in under-resourced settings: An open forum discussion - Lesliam Quirós-Alcalá and Sandra Cortes Arancibia



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL C
11:45	13:15	<p>Traditional Oral Session 03 Addressing Disparities and Health Impacts of Air Pollution Exposure</p> <p>Chairs: Garam Byun</p> <p>Disparity in the effect of long-term exposure to air pollution on non-communicable disease burden across sub-populations in India - Sagnik Dey Scenarios for Reducing PM2.5 Exposure-Disparities in Washington State, USA - Arushi Sharma Long-term exposure to PM2.5 and mortality in South Korea: Effect modification by community deprivation, medical infrastructure, and greenness - Garam Byun Associations between Long-term Exposure to Air Pollution and Blood Pressure and Glucose Levels in Bangladeshi Adults: A Nationally Representative Study - Juwel Rana Do area- and individual-level sociodemographic characteristics modify the association of air pollution with incident asthma in the ECHO program? - Veronica A Wang Addressing gaps and disparities in ambient air quality monitoring in the US - Julian Marshall</p>
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING
14:45	16:15	<p>Traditional Oral Session 06 Our changing world: Climate change and natural disasters</p> <p>Chairs: Abiodun Oluyomi & Nancy Raquel Cardona</p> <p>Weathering the crisis: A cross-sectional analysis examining the relationship between mental health, well-being, and extreme weather event-damaged homes in Australia - Monika Walia Environmental stressors experienced by cancer patients and caregivers shaped their attitudes and perceptions towards climate change in Puerto Rico. - Nancy Raquel Cardona Joint effects of wildfire smoke and extreme heat on hospitalizations in California, 2011-2020 - Caitlin G Jones Ngo Longitudinal Multi-Omic Characterization of a Community Cohort After Chemical Exposures from Hurricane Harvey - Abiodun Oluyomi Floods and cause-specific mortality in the United States during 2001-2020 - Kai Chen Daily rainfall and population mortality: a multi-country study across 645 locations - Cheng He</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	SAN CRISTOBAL C
16:45	17:45	<p>Pecha Kucha Session 03 Environmental Inequalities and Public Health</p> <p>Chairs: Richard V Remigio, TBA</p> <p>Exploring the pathways linking prenatal and early childhood greenness exposure to attention-deficit/hyperactivity disorder symptoms during childhood - Leire Luque García Tree canopy cover and PM2.5 -attributable asthma and low birthweight outcomes in Richmond, California (2011-2017): an Ecologic Study - Andrew V Nguyen Intra-neighborhood associations between residential greenness typologies and blood pressure - Ray Yeager Residential exposure to green and non-photosynthesising vegetation: comparative effects on academic performance in a longitudinal study of Australian children - Luke Knibbs Green space, air pollution and mortality in a metropolitan area in Southern Italy: a health impact assessment study - Orazio Valerio Giannico The role of greenspace in vitamin D status: cross-sectional, observational evidence from the UK Biobank - Nicholas John Osborne Residential greenspace and type 2 diabetes according to urbanicity: findings from the CONSTANCES cohort (2012-2019) - Bénédicte Jacquemin Co-benefits of urban green interventions: a health impact assessment of the Eixos Verds plan in Barcelona - Tamara Lungman The Effects of Neighborhood Greening on Inflammation in The Green Heart Project - Daniel W Riggs The Impact of New York City's Open Streets Program on Traffic Levels: A Difference-in-Differences Analysis - Sabah Usmani</p>
17:45	19:15	<p>Traditional Oral Session 08 Exposure assessment in air pollution studies</p> <p>Chairs: Samuel Etajak & Xiaorong Shan</p> <p>Estimating Air Quality Exposure in 1940 and 2010 For Future Application to Health Analyses - Xiaorong Shan Addressing gaps and disparities in ambient air quality monitoring in the US - Julian Marshall Increasing Capacity to Assess Air Pollution Disparities in Atlantic Canada - Tsz Kin Siu Developing a global methodology to estimate health and economic impact of ambient PM2.5 - Kritika Anand Enhancing Exposure Estimates in Urban Environments: Integrating Mobile and Fixed-Site Black Carbon Measurements to Bridge Spatiotemporal Gaps - Chirag Manchanda Personal Exposure assessment to Particulate Matter among school children in Kampala Capital City in Uganda - Samuel Etajak</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA A
10:15	11:45	<p>Traditional Oral Session 01 Exposure assessment methods and applications around the world</p> <p>Chairs: Matthew Bozigar & Stephanie E Cleland</p> <p>Co-occurrence of wildfire smoke and extreme heat events in British Columbia, 2010-2022: Spatiotemporal patterns in population-level exposure - Stephanie E Cleland Quantitative risk assessment of mercury exposure in Madre de Dios and Puno Peruvian mining communities - Eric Morales Mora Cumulative arsenic exposure from residential histories and its association with individual arsenic levels in saliva - Shelbie D. Stahr Measuring and modeling road traffic noise at high spatiotemporal resolution for health impact assessment in a United States city. - Matthew Bozigar An integrated risk assessment to consider multiple exposures: application to European cohorts - Amélie Crépet</p>
11:45	13:15	<p>Traditional Oral Session 04 Perspectives on environmental policy and public health</p> <p>Chairs: Anna Hansell & Kristen Cowan</p> <p>Breastfeeding efficiency among new mothers in a region impacted by large-scale agricultural production: Lessons from the SEMILLA study in Ecuador - Fadya Orozco The association of emergency department visits and Public Safety Power Shutoffs in California - Alyson B Harding Community air quality benefits of the EPA's School Bus Rebate Program: a randomized design - Meredith Pedde An Innovative Geospatial Monitoring and Health Impact Assessment Tool for Sustainable and Healthy City Planning - Federica Montana Guiding Air Quality Management Decisions, and Risk Communication Strategies, in Latin America using Environmental Epidemiology Research - Kevin Park Application of a methodology for the development of air quality and health indices in Latin American countries - Samuel David Osorio Garcia</p>
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA A
14:45	16:15	<p>Traditional Oral Session 07 Occupational and Environmental Cancer Risks</p> <p>Chairs: David F. Goldsmith & Ilce Ferreira da Silva</p> <p>Parental employment in bitumen-related industries in relation to childhood cancer risk - Julia E Heck Carcinogenic industrial air pollution and lung cancer risk in a large prospective U.S. cohort - Jessica M. Madrigal Mid-childhood plasma concentrations of per- and polyfluoroalkyl substances, childhood physical activity and dairy intake, and bone accrual through late adolescence - Lisa B. Rokoff Asbestos content in lung of mesothelioma cases living in proximity of an asbestos factory: a post-mortem SEM-EDS study - Matthew Untalan Cancer mortality after low dose ionizing radiation exposure among workers in France, the United Kingdom, and the United States (INWORKS) - David B Richardson Tattoos as a new risk factor for malignant lymphoma: a population-based case-control study - Christel Nielsen</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:45	17:45	<p>Pecha Kucha Session 04 Spatial and Temporal Cancer Trends and Exposome Studies</p> <p>Chairs: Charles B Hall & Nicole Deziel</p> <p>Spatial-Temporal Trends in Ovarian Cancer Outcomes in Los Angeles and Orange Counties, USA - H Carolina Villanueva Exposures to Artificial Light at Night and Ambient Fine Particulate Matter and Risk of Pediatric Papillary Thyroid Cancer - Nicole Deziel Mortality from malignant mesothelioma in young adults in Italy, as proxy of environmental exposures to asbestos in childhood - Lucia Fazzo Breaking barriers: acceptability and feasibility of HPV self-sampling for cervical cancer prevention in rural communities of Ecuador - Gabriela Bustamante Does tattoo exposure increase the risk of skin cancer? A population-based case-control study - Emelie Rietz Liljedahl Exploring ferns extracts for UV protective bio-activity: natural compounds in the potential prevention of skin-cancer and other skin diseases. - Pablo Jimenez Bonilla Ambient air pollution exposure and bladder cancer risk in a U.S. cohort - Jared A Fisher Searching the exposome to identify environmental chemical exposures for cancer risk in humans: the Southern Environmental Health Study - Wei Zheng Lung cancer mortality attributed to residential radon exposure in Spanish regions by sex. Application of a correction for dwelling height. - Mónica Pérez Ríos</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA A
17:45	19:15	<p>Traditional Oral Session 09 Environmental factors and reproductive health</p> <p>Chairs: José F. Cordero & Melissa Fiffer</p> <p>Exposure to traffic-related air pollutants in vitrified oocyte donors and male recipient partners in relation to fertilization and embryo quality - Sarah Lapointe Extreme ambient heat and outcomes of assisted reproduction in the continental United States, 1996 to 2018 - Audrey J Gaskins Associations between Phthalates Exposure and Oxidative Stress Biomarkers in the Risk of Recurrent Pregnancy Loss - Po Chin Huang A precision environmental health approach to childhood obesity and metabolic dysfunction: identifying biological pathways and prenatal determinants - Nikos Stratakis Improving phthalate environmental reproductive health literacy: a virtual intervention of clinicians - Kathryn Scott Tomsho Reproductive and Gynecologic Health Among Highly Vulnerable Hairstylists of Color - Lesliam Quiros Alcala</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA B
10:15	11:45	<p>Traditional Oral Session 02 Water pollution: Current studies of arsenic in drinking water</p> <p>Chairs: Maria Medina-Pizzali & Torben Sigsgaard</p> <p>Drinking water arsenic contamination and COVID-19 outcomes in California, USA - Helena Archer Human health risk due to heavy metal contaminated water exposure in a coastal area of Northern Vietnam - Nguyen Thi Minh Ngoc Association of Cardiovascular Disease with Low-Moderate Chronic Arsenic Exposure: A Global Systematic Review - Meroona Gopang Pediatric kidney function and concentrations of metalloids and fluoride in drinking water in rural Mexico experiencing drought: Preliminary Results - Paulina Farias Exposures to drinking water contaminants below regulatory limits and incident ovarian cancer in the California Teachers Study cohort - Maya Spaur Uranium and arsenic from community water supplies and chronic kidney disease in California: Novel findings for exposures below regulatory limits - Danielle N Medgyesi</p>
11:45	13:15	<p>Traditional Oral Session 05 Inequities in Drinking Water Quality and Health Outcomes</p> <p>Chairs: Ronnie Levin & Ilan Cerna Turoff</p> <p>Historical redlining and drinking water quality in Los Angeles, California, USA - Jenny L. Rempel Differences in Prevalence of Per- and Polyfluoroalkyl Substances in North Carolina Public Water Systems by Neighborhood Racial Characteristics - Aleah Walsh National regulatory change in public drinking water arsenic thresholds and adverse birth outcomes in the state of California, 2000-2017 - Ilan Cerna Turoff Residential sociodemographic characteristics associated with public water arsenic and uranium concentrations, 2006-2011 - Kevin P. Patterson DRINKING WATER, SANITATION, AND HYGIENE (WaSH) BEHAVIORS PREVENT MALNUTRITION AMONG CHILDREN UNDER FIVE YEARS IN THE RURAL, CAMBODIA - Sok Mean Sreng The value of replacing lead water pipes in the US - Ronnie Levin</p>
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA B
14:45	16:15	<p>Flash Oral Session 07 Highway to health: the impacts of traffic-related air pollution</p> <p>Chairs: Marie O'Neill & Alan Dominguez</p> <p>Particulate Matter and Emergency Consultation in Temuco 2015-2023, Chile - Maria Elisa Quinteros Caceres Short-term PM2.5 exposure and DNA methylation changes of circadian rhythm genes: evidence from two experimental studies - Xu Gao Development and comparison of land use regression, dispersion and hybrid models for predicting air pollution levels - Alan Domínguez Hyperlocal Air Pollution Mapping: A Scalable Transfer Learning LUR Approach for Mobile Monitoring - Zhendong Yuan Long-term Exposure to Air Pollution and Cardiovascular Hospital Re-Admissions Among Medicare Beneficiaries - Mahdieh Danesh Yazdi The impact of long-term exposure to traffic-related air pollution and genetic susceptibility on Parkinson's disease - Dayoon Kwon Characterisation of the short-term health effects of air pollutants on the London Underground and Overground in a randomised cross-over study - Sibo Lucas Cheng Life course air pollution exposure and later-life risk of all-cause and cardiovascular specific mortality in the Lothian Birth Cohort 1936 - Otto Emil Ilmari Jutila Pre-natal exposure to urban air pollution and pre- and post-natal brain development: - Jordi Sunyes</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:45	17:45	<p>Pecha Kucha Session 05 Chemical exposures and health outcomes I</p> <p>Chairs: Martha M Téllez-Rojo & Mike Z. He</p> <p>Human pesticide exposure in Bolivia: A scoping review of current knowledge, future challenges and research needs - Jessika Barrón Cuenca Predictors of ethylenethiourea exposure during pregnancy among participants enrolled in the SEMILLA birth cohort study - Alexis J Handal Prenatal blood metals, per- and polyfluoroalkyl substances and antigen- or mitogen-stimulated cord blood lymphocyte proliferation and cytokine secretion - Anna Smith Gestational Exposure to Endocrine Disrupting Chemicals and Fetal Liver Development: Findings from the HPP-3D Study - Danielle R Stevens Literature landscape of neurodevelopment and pesticides: A scoping review of methodologies - Jennifer Elizabeth Reed Study of genotoxic and neurotoxic effects of pesticides in rural workers and residents in the state of Rio de Janeiro/Brazil - Marcia Sarpa Prenatal phthalate metabolites and childhood lung function in Mexico City - Cecilia S Alcala Long-term postnatal exposure to air pollution and routine vaccine antibody levels in children - Mike Z. He A Per- and Polyfluoroalkyl Substance Mixture Associated with Human Gut Microbiota: Novel Bayesian Hierarchical Zero-Inflated Negative Binomial Regression with G-Computation - Hailey E Hampson Prenatal exposure to SVOCs and impacts on childhood ear infections - Elizabeth Boxer</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA B
17:45	19:15	<p>Traditional Oral Session 10 Environmental exposure and mental health</p> <p>Chairs: Ellen Wells & Raphael Arku</p> <p>Associations between traffic noise and incident dementia in UK Biobank - Enock Havyarimana Accounting for Activity Space in Assessment of the Environmental Exposure and Suicide Risk - Frederick W Lurmann Association between long-term exposure to fine particulate matter and mental health in women from Southeastern Louisiana, USA - Anke Huels Early-life lead exposure is associated with cognition in late adulthood - Ruby C. Hickman Genetic susceptibility to suicide mortality and exposure to short-term air pollution - Dirga Kumar Lamichhane Drought and Despair: Investigating the Link Between Severe Weather Events and Suicide Mortality in the U.S. - Azar M Abadi</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA C
10:15	11:45	<p>Flash Oral Session 01 Particles and perils: exploring the health impacts of particulate matter</p> <p>Chairs: Richard V Remigio & Morgan Narain</p> <p>Interactive effects of fine particular matter and its constituents and sunshine duration on the risk of intrahepatic cholestasis of pregnancy - Yan Ting Wu Prenatal fine particulate matter, maternal stress, and temperament outcomes in children from Mexico City - Laura A McGuinn Fine particulate matter (PM2.5) exposures from household air pollution and cardiovascular disease incidence across seven countries in the PURE study - Matthew Shupler Fine particulate matter from burning oil and gas and neurological symptoms among oil spill cleanup workers - Christina L. Norris Baseline associations between personal exposure to household air pollution and glycated hemoglobin among women in the HAPIN Trial - Adolphe Ndikubwimana Environmental exposures and Long-COVID in a Prospective Population-Based Study in Catalonia (COVICAT study) - Manolis Kogevinas Accelerated aging as a modifier of associations between traffic-related air pollution and blood pressure - Cavin K Ward Caviness Fine particulate matter exposure and cardiovascular disease in the Strong Heart Study - Maggie Li</p>
11:45	13:15	<p>Flash Oral Session 04 Haze hazards: long-term exposure to air pollution and chronic health effects</p> <p>Chairs: Isabell Rumrich & Josiah Kephart</p> <p>Airborne nanoparticle concentrations are associated with brain cancer incidence in Canada's two largest cities - Marshall Lloyd Fine particulate matter constituents and biological aging in adults - Cui Guo Associations between long-term exposure to PM_{2.5} components and repeated measures of cognitive function among cognitively healthy adults - Anke Huels Exposure to Air Pollution and Hippocampal Volume: Results from the Betula Project - Anna Oudin Estimating the Exposure-Response Function between Long-term Ozone Exposure and Under-five Child Mortality in Low- and Middle-Income Countries - Tao Xue Associations between ambient PM2.5 exposure and risk of kidney, ophthalmic, and neurological complications among type 1 diabetes mellitus patients - Trenton Honda Association of long-term exposure to trace element components of fine particulate air pollution in older adults in the US - Hua Hao Associations of Long-term Exposure to Ultrafine Particles with Incident Dementia: A national cohort study in the United States - Yanling Deng</p>
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA C
14:45	16:15	<p>Flash Oral Session 08 Environmental Pollutants and Maternal-Child Health</p> <p>Chairs: Ahlam Abuawad & TBA</p> <p>Examining the potential influences of weather factors and particulate matter pollution on adverse pregnancy outcomes in the Kavre district, Nepal - Ishwar Tiwari Ambient air pollution and hypertensive disorders of pregnancy in Montana, USA, a rural state, 2008-2019 - Elizabeth Williams The impact of interaction between particulate matter and sunshine duration on neonatal hyperbilirubinemia - Jing Jing Xu Causal estimates of wildfire-generated PM2.5 exposure and stillbirth in California, 2013-2018 - Heather McBrien Air pollutants and plasma total folate among pregnant women in Canada, 2008-2011 - Tyler Smith Changes in prenatal urinary concentrations of triclocarban and triclosan following the US FDA ban in 2016: the ECHO cohorts - Adaeze C Wosu Spatiotemporal modeling of under-five mortality and associated risk factors in Ethiopia from 2000-2016 EDHS Data. - Aweke Mitku When Air Pollutes Life: Examining the Association of PM2.5 on Pregnancy and Fetal Development in North India - Sreevatsan Raghavan</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:45	17:45	<p>Pecha Kucha Session 06 Climate change, extreme temperature and health in USA</p> <p>Chairs: Stephanie Cleland & Marcela Tamayo Ortiz</p> <p>Associations Between Temperature and Primary Care Utilization in Philadelphia, Pennsylvania: A Time Series Study - Janelle R Edwards The Mediation Role of Air Pollutants in The Relation between Heatwaves and Mortality - Haomin Li Urban Heat Island Mapping: Using Community Science to Understand Heat Disparities and Implement Cooling Solutions in the US and Internationally - Morgan Zabow Assessing the Impact of Air Quality and Heat on Recess Physical Activity in School Children - Kari A. Weber The modifying effects of polypharmacy on heat-related kidney morbidities - Zachary H Mccann Outdoor Temperature and Dermal Nicotine Exposure in Green Tobacco Farmworkers - Marcela Tamayo Ortiz Unveiling urban heat: harnessing personal weather stations for enhanced daily mapping of heat stress across North Carolina - Eva Marques Quantifying Indoor Thermal Exposure: A Physics-based Approach for Mitigating Heat-Related Risks. - Chima Cyril Hampo Temperatures extremes and mortality during summer months in federal prisons across the United State, 2010-2021 - Kristen N Cowan</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VALDIVIA C
17:45	19:15	<p>Flash Oral Session 12 Chemical Exposures and Child Development</p> <p>Chairs: Shiwen Li & Vida Rebello</p> <p>An exposome approach of linking multiple environmental toxicants with early kidney injury in the pregnant women - Ming Tsang Wu Gestational air pollution (PM2.5, NO2, O3) exposure and the risk of preterm birth: a systematic review and meta-analysis - Shawn Lee Plasma mineral concentrations and fetal growth trajectories: a prospective multi-ethnic Asian cohort study - Yi Ying Ong A prospective study of per- and polyfluoroalkyl substances (PFAS) and women's cognitive function in midlife - Azzurra Invernizzi Prenatal residential air quality and childhood neurobehavioral diseases - A nationwide birth cohort follow-up approach - Shu Li Julie Wang Early life metal mixture exposure and birth outcomes - PIPA Project - Brazil - Nataly Damasceno De Figueiredo Prenatal exposure to persistent organic pollutants and body mass index trajectories from birth to age 12 - Charline Warembourg Auditory Behavior in children with prenatal exposure to arsenic, from a cohort study in the city of Rio de Janeiro - Moara Karoline Silveira Malheiros Associations among urinary polycyclic aromatic hydrocarbon biomarker concentrations and birth outcomes in LIFECODES - Jarrod Eaton</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	QUIXOTE
09:45	10:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:15	11:45	<p>Flash Oral Session 02 The health co-benefits of taking action on climate change</p> <p>Chairs: Neeta Thakur & Wael Al-Delaimy</p> <p>The Effect of Land Use, Land Cover, and Climate Change on Japanese Encephalitis Among Asian Populations: A Systematic Review - Anisha Singh Perceived Health Risk from Climate Change in the United States - Allison L Stewart Investigating attitudes into the global warming impact of inhalers for respiratory diseases - John D Dockerty Heat Impact on School Student's Health: A Scoping Review - Neeti Rustagi Role of climate change in dengue transmission in India: the future outlook - Avik Kumar Sam Temperature variability and Social Vulnerability as risk factors for cardiovascular mortality among elders in Colombia - D Jimena Roncancio Benítez Community-based participatory research partnership to identify and address climate change health effects in climate-sensitive subpopulations in San Francisco - Neeta Thakur Lessons From Community Heat Studies: Fostering Community-Engaged Research and Action - Maria Patricia Fabian</p>
11:45	13:15	<p>Flash Oral Session 05 Green Space and Health Outcomes</p> <p>Chairs: Ana Rappold & Peter James</p> <p>Associations of Street-View Greenspace with Incident Dementia Diagnosis in the Multi-Ethnic Study of Atherosclerosis from 2000 to 2020 - Marcia Pescador Jimenez Epigenome-wide association study of green space and placental DNA methylation in the BiSC cohort - Sofía Aguilar Lacasaña Associations between greenness exposure and asthma symptom score in the Constances cohort - Marine Savouré Associations between greenspace patterns and mortality in six million Swiss adults: a longitudinal study - Dengkai Chi Street-view Greenspace and Cardiovascular Disease Incidence in a Nationwide US Prospective Cohort Study of Women from 2000-2018 - Peter James Green Space, Road Infrastructure, and Low Traffic Air Pollution Collectively Contribute to Exceptional Human Longevity: A Cohort Study in China - Linxin Liu</p>
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	QUIXOTE
14:45	16:15	<p>Flash Oral Session 09 Health effects of pesticide and industrial chemical exposure</p> <p>Chairs: Lesliam Quirós Alcalá & Jonathan Chevrier</p> <p>Electroencephalography(EEG) in environmental epidemiology: Methods for studying neuro outcomes, exemplified by pesticide exposure research - Boris Lucero Mixture analysis of serum organochlorine pesticides concentrations and diabetes mellitus in women from Northern Mexico - Rodrigo Ugalde Resano Urine glyphosate predicts changes in kidney injury biomarkers and estimated glomerular filtration rate in Mesoamerican Nephropathy Occupational Study (MANOS) - Kathryn M. Rodgers Evaluation of pesticide exposure and metabolic health indicators among adults in the agricultural community of Molina, Chile - Melissa Desantiago Effect of California's 2020 chlorpyrifos ban on urinary biomarkers of pesticide exposure in agricultural communities - Bonnie Nadyne Young The association between in-utero exposure to organophosphate esters in early and mid-pregnancy with birthweight is modified by maternal gestational diabetes - Alicia K Peterson Evaluation of Organophosphate Pesticide Biomarker Levels in Central California Agricultural Communities - Sherry D Wemott Identifying metabolic mediators between concentration of {p,p'}-DDE in visceral adipose tissue and weight loss in adolescents undergoing bariatric surgery - Zhenjiang Li Exposure to Indoor Residual Spraying Insecticides and Immune Response to Vaccines Among South African School Children From the VHEMBE Study. - Jonathan Chevrier</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:45	17:45	<p>Pecha Kucha Session 07 Environmental Chemicals and Health: Insights from Biomonitoring and Epidemiological Studies</p> <p>Chairs: Michael Wright & TBA</p> <p>Associations between Disinfection Byproducts and Birth Defects: Use of Relative Potency Factors - Michael Wright Breast cancer is associated with mixtures of organochlorine pesticides and metals in Mexican women - Ángel Mérida Ortega Association of short-term exposure to ambient air pollution and weather conditions with deaths of despair among U.S. Veterans - Alina Peluso Associations of gestational diabetes mellitus with transplacental transfer ratios of various classes of environmental chemicals - Jordana Leader How well do short-term PFOA serum samples represent long-term exposure? - Scott Bartell Nickel and manganese toenail concentrations associated with distance to oil drilling site - Arbor Quist</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	QUIXOTE
17:45	19:15	<p>Flash Oral Session 13 Prenatal and post-natal exposure to air pollution and children's effects</p> <p>Chairs: Rafael Buralli & TBA</p> <p>Early life ambient ozone exposure and the development of asthma and wheeze in children - Logan C Dearborn Exposure to ambient air pollution during early life and risk of childhood Ewing sarcoma in a California case-control study (1988-2015) - Cassandra J Clark Characterising sources of asthmatic children's exposure to particulate matter in six Sub-Saharan African cities - Benjamin Barratt Prenatal Ambient Air Pollutant and Climatic Factors Mixture Exposure and Fetal Growth - Stefania Papatheodorou Prenatal exposure to fine particulate matter (PM2.5) and risk of neurodevelopmental delays: a national cohort study of Medicaid recipients - Marc Weisskopf Predictors of personal exposure to fine particulate matter, black carbon, and carbon monoxide among pregnant women in Rwanda - Patrick Karakwende Improved outcomes in asthmatic children after exposure reduction interventions for desert dust and anthropogenic pollution: The MEDEA randomized controlled trial - Panayiotis Kouis Assessment of selected indoor air pollutants and related respiratory health effects in Kaduna, Northwestern Nigeria - Musa Abubakar Kana</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	DIRECTORIO E
10:15	11:45	<p>Flash Oral Session 03 Environmental exposure and neurodegenerative diseases</p> <p>Chairs: Peter Larson & Tamara Schikowski</p> <p>Exposure to Ambient Air Pollution and Mortality Among Individuals with Parkinson’s Disease: A Nationwide Retrospective Cohort Study in Taiwan - Peichen Lee PM2.5 and cognition changes in six US metropolitan areas: The Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air) - Xinmei Huang Prenatal exposure to extreme ambient temperatures and risk of neurodevelopmental disorders: a cohort study in Ontario, Canada - Eric Lavigne Prenatal di-2-ethylhexyl phthalate concentrations are associated with sex-dependent changes in fetal brain structural volumes using novel third trimester brain imaging - Stephanie M Engel Associations of cumulative exposure to extreme heat and precipitation with dementia related emergency department visits in the Midwestern United States 2006-2013 - Peter S Larson Military Service and Survival with Amyotrophic Lateral Sclerosis - Ian W. Tang Chronic exposure to air pollution and cognitive outcomes in older adults - Sindana Ilango Association of prenatal pesticide exposure with plasma Aβ 42/40 ratio in midlife: evidence from the Child Health and Development Studies - Jason R Richardson</p>
11:45	13:15	<p>Flash Oral Session 06 Occupational Health Risks</p> <p>Chairs: Aaron Specht & María José Rivero Treviño</p> <p>HBM4EU Chromates Study: Findings from Biomonitoring Occupational Exposure to Manganese and Nickel - Maria Torres Toda Associations of Heat Exposure with Acute Kidney Injury and Kidney Function in Mexican Agricultural Workers - Rietta Wagoner Diesel exhaust and respiratory dust exposure and mortality from ischemic heart disease in the Diesel Exhaust in Miners Study II - Stella Koutros Eco Mining Project: Raising awareness and practicing clean technologies in Artisanal and Small-Scale Gold Mining Communities in Peru - Eda Palacios Price Too High: Injury and Assault Among Delivery Gig Workers in New York City - Zoey Laskaris Work-related factors and occupations in relation to the incidence of type 2 diabetes: an exploratory study among 274,716 Dutch workers - Tosca Oe De Crom The nasal microbiome and potential carriage of zoonotic pathogens among dairy workers - Joshua Schaeffer Chronic stress exposure and its association with metabolic syndrome components in women of the PROGRESS cohort - Teresa Concepcion Garcia Aguilar</p>
13:15	14:45	LUNCH BREAK & GENERAL MEMBERSHIP MEETING



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	DIRECTORIO E
14:45	16:15	<p>Flash Oral Session 10 Impact of Prenatal and Early Life Metal Exposure on Cognitive and Physical Health Across the Lifespan</p> <p>Chairs: Marion Ouidir & Homegnon Antonin Ferreol Bah</p> <p>Urinary Metals and Cognitive Test Performance by {APOE}4 Allele Carrier Status in the Multi-Ethnic Study of Atherosclerosis (MESA) - Arce Domingo Relloso First Trimester Prenatal Metal Mixtures, Methyl Donors, and Hypertensive Disorders of Pregnancy in Project Viva - Ixel Hernandez-Castro Early life lead exposure associated with higher BMI in late adulthood - Joyce Jy Lin Time-varying arsenic exposure and children's cognition at 5 years of age from the New Hampshire Birth Cohort Study - Leyre Notario Barandiaran Arsenic Metabolism Associated with Subclinical Steatotic Liver Disease in the Multi-Ethnic Study of Atherosclerosis - Huichen Wu Antenatal Depression and Metals Exposure - Patricia Pinheiro De Araujo Maternal Exposure to Potentially Toxic Metals and neurodevelopment of 1-year-old children: DSAN-12M birth cohort of Recôncavo Baiano, Brazil. - Homegnon Antonin Ferreol Bah (A)lfajor to (Z)apallo--heavy metals in foods consumed by schoolchildren from Montevideo, Uruguay, a market basket study - Katarzyna Kordas</p>
16:15	16:45	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:45	17:45	<p>Flash Oral Session 11 Environmental epidemiology and one health: global perspectives I</p> <p>Chairs: Samuel Cai & Neelam Iqbal</p> <p>Enhancing Public Health Monitoring: Discoveries from an Extensive Wastewater-Based Epidemiology Initiative in Costa Rica - Luz Chacon Jimenez The field release of Wolbachia-infected Aedes aegypti and dengue transmission: changing effect of climate variables - Wenbiao Hu Emerging pathogens with similarities to Clostridioides difficile and divergent toxins in pristine soils of Costa Rica - César Rodríguez One Health in the Philippines: A Review and Situational Analysis - Sary Valenzuela Meteorological factors, population immunity and Covid-19 incidence - A global Multi-Country Multy-City study - Denise Feurer Weather Variability Drives the Spatiotemporal Distribution of Visceral Leishmaniasis in Brazil - Quinn H. Adams Micro and nanoplastics in drinking water and ingestion as a route of human exposure - Max A Zarate Bermudez</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	DIRECTORIO E
17:45	19:15	<p>Flash Oral Session 14 Impact of exposure to environmental contaminants on health outcomes</p> <p>Chairs: Juwel Rana & Carmen J Marsit</p> <p>Oxidative stress as a potential mechanism linking gestational phthalate exposure to cognitive development in infancy - Stephanie Eick Racial and ethnic disparities in prenatal environmental phenol and paraben exposures in the ECHO cohorts - Michael S Bloom Polychlorinated Biphenyls and Cognitive Decline among Hispanic/Latino Adults: Effect Measure Modification by Sex, Body Mass Index, and APOE ε4 status - Humberto Parada Jr. Associations of urinary polycyclic aromatic hydrocarbon (PAH) metabolites and their mixture with thyroid hormone concentration during pregnancy: A repeated measures study - Seonyoung Park Early-life exposures to phenols, parabens and phthalates and preschool children fat mass in the SEPAGES cohort - Marion Ouidir Association of prenatal urinary phthalate metabolite levels on the newborn metabolome and neurodevelopmental outcomes among African Americans - Susan Hoffman Prenatal and childhood exposure to persistent organic pollutant mixtures and cardiometabolic outcomes in young adulthood - Brenda Eskenazi The longitudinal association of prenatal and childhood exposure to bisphenol A and phthalates with emotional and behavioral problems through adolescence - Lilly Meerts Levels and Determinants of Bisphenol Concentrations in Breast Milk Samples Collected from South African Mothers and Associations with Infant Growth - Basant Elsiwi</p>
19:15	20:00	WOMEN'S NETWORKING AND SOCIAL EVENT
20:00	23:15	SNRN EVENT



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VIRTUAL PLATFORM
10:15	11:45	<p>Virtual Session Europe/Africa 1: Air pollution and health outcomes</p> <p>Chairs: Kim van Daalen & Stéphane Tuffier</p> <p>Air pollution and body composition in overweight and obese adults - Ariadna Curto Associations of PM2.5 exposure with long COVID severity: insights from the P4O2 COVID-19 study. - Laura Houweling Long-term exposure to air pollution and breast cancer considering residential and workplace addresses and commutes: a French nested case-control study - Delphine Praud Systematic review on health effects of long-term exposure to UFP - Pascale Haddad Thielke Using GPS-based matching and machine learning to estimate the short-term PM10-mortality function and the number of attributable deaths - Chiara Marzi INDOOR RADON EXPOSURE: novel strategies and tools for management and control - Simona Mancini Long-term exposure to air pollution and lung cancer incidence in the Danish Nurse Cohort - Stéphane Tuffier</p>
14:45	16:15	<p>Virtual Session North & Latin America 1: Air pollution and health impacts</p> <p>Chairs: Oscar Alberto Rojas Sánchez, TBA</p> <p>Determining sources of air pollution exposure inequity in New York City through land-use regression modeling of PM2.5 constituents - Masha Pitiranggon Trends in risk from air pollution and attributable burden of asthma and cardiovascular morbidity in New York City - Ariel Spira Cohen Source-specific Air Pollution and Lost Independence in Late Life - Boya Zhang Exposure to Fine Particles and Carotid Intima-Media Thickness in adults from Mexico City: results from GEA study: Differential Association - Rocio Torrico Lavayen Association of Source-specific PM2.5 with Memory Decline Later in Life in the United States - Boya Zhang Air pollution and preterm births in Fresno, California - Valerie Martinez</p>



DAILY PROGRAM

DAY 1 AUGUST 26, 2024 - MONDAY

START	END	VIRTUAL PLATFORM
17:45	19:15	<p>Virtual Session North & Latin America 2: Environmental exposure and children's health</p> <p>Chairs: TBA</p> <p>Modifying Air Pollution Impacts on Child Respiratory Health: The Role of Breastfeeding and Residential Greenspace - Sarah Phae Acute impact of air pollution on infant mortality in the San Joaquin Valley, California: A time-stratified case-crossover study - Sneha Ghimire Prenatal Exposure to Ambient Air Pollution is Associated with the Gut Microbiome during the First 2 Years of Life - Elizabeth A Holzhausen Associations of pre- and postnatal air pollution exposures with transfer RNA fragments in human milk extracellular vesicles - Abigail Gaylord Poor housing conditions are associated with neighborhood variation in childhood asthma emergency department visit rates in Austin, Texas - Zichuan Li Association between wild vascular plant species richness and preterm birth in urban areas: a retrospective cohort study in Southern California - Mengyi Li Associations of Cord Blood Concentrations of Perfluoroalkyl Substances and Benzophenones with Autistic Traits at Age Seven in Singaporean Children - Nathan Cohen</p>



36th Annual Conference
of the International Society
for Environmental
Epidemiology

August 25-28, 2024



DAILY PROGRAM

DAY 2
AUGUST 27, 2024
TUESDAY



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL A
08:00	08:45	<p>J. GOLDSMITH AWARD LECTURE</p> <p>Chairs: Jaime E. Hart, Tanya Singh</p> <p>Pesticides and the brain: is epidemiologic research informing policy? Beate Ritz</p>
08:45	09:30	<p>Keynote Lecture 3</p> <p>Chair: Ruth Etzel</p> <p>Building bridges with a community: success stories and cautionary tales - Brenda Eskenazi</p>
09:30	10:00	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:00	11:30	<p>Symposium 10 Why Countering Harmful Industry Impacts and Exposures on Health is Critical for Environmental Justice</p> <p>Chairs: Tracey J Woodruff & Nicholas Chartres</p> <p>Industry as the 21st Century Vector of Disease - Tracey Woodruff How can the integrity of occupational and environmental health research be maintained in the presence of conflicting interests? - Lisa Bero A Case Study in Scientific Integrity: The IARC Monograph Programme Glyphosate Review - Kurt Straif Glyphosate and Chemical Regulatory Anomalies - Yogi Hendlin The science of spin: targeted strategies to manufacture doubt with detrimental effects on environmental and public health - Laura Vandenberg</p>
11:30	13:00	<p>Symposium 13 TROPIC Network: A Tropical Cyclone Network for International Health and Resilience</p> <p>Chairs: Robbie M. Parks & Marianthi-Anna Kioumourtzoglou</p> <p>Evolution of global tropical cyclone exposure risk - Victoria D. Lynch Excess mortality and disease incidence following tropical cyclones in Korea - Changwoo Han Impacts of tropical cyclones to diarrhoeal diseases in the Northwest Pacific Basin countries - Szu Yu Lin The burden of mortality attributable to tropical cyclones and heavy rainfall events in Japan - Lisa Yamasaki Long-term effects of tropical cyclones on community social vulnerability in the United States: A novel quasi-experimental study - Lincole Jiang</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL A
14:30	16:00	<p>Symposium 15 Environmental Injustice and health disparities in global contexts</p> <p>Chairs: Kwaku Poku Asante & Sokhna Thiam</p> <p>Environmental racism and triple burden of diseases in the Brazilian context - Homègnon A. Ferréol Bah Challenges associated with implementing cost-effective nutrition strategies to reduce health effects associated with air-pollution among vulnerable groups in Africa - Sylvia Akpene Takyi Sustainable Environmental Justice and Indigenous Communities: Empowering Voices, Protecting Rights - Rosemary Anderson Akolaa Birth Lottery or Environmental Roulette? Exploring the Multifaceted environmental challenges in Rural Northern Ghana - Ali Moro Fine outdoor particulate matter and behavioral problems in school-age children in Accra, Ghana - Youssef Oulhote</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>Pecha Kucha Session 08 Uncovering the health impacts of air pollution</p> <p>Chairs: Dimitris Evangelopoulos & Tiana Moreira</p> <p>Indoor/Outdoor Air Quality Measurements near a Highway in Somerville, MA - Francesca Majluf Air pollution mixture associated with oxidative stress exacerbation and symptoms deterioration in allergic rhinitis patients: evidence from a panel study - Jinhui Li GEOHealth Health Effects of Selected Environmental Exposomes Across the Life Course (HEALS)-India - Dorairaj Prabhakaran Characterising carbon monoxide exposure in household dwellings in middle- and high-income countries - a literature review - Sarah V Williams How are air pollution and meteorological factors related to Covid-19 infections? - Leona Hoffmann Air pollution exposure and DNA methylation of clock and clock-related genes: results from the DeprAir study - Michele Carugno Scoping Review on Health Effects of Air Pollution in East Africa - Pallavi Pant Health benefits of air pollution control policies targeting mobile vehicles and electricity generating units - Haisu Zhang Knowledge and practices related to Ambient Air Pollution in an urban population in the Capital City of India - Harshal Ramesh Salve Estimating global trends of air pollution, air pollution-attributable disease burdens, and CO2 emissions in 13,000 cities using large geospatial datasets - Soo-Yeon Kim Evaluation of the performance of a passive air sampling technique to measure current-use pesticides in a tropical environment - Karla Solano</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL A
17:30	19:00	<p>Symposium 17 Stories of Policy Success: Real Examples of Inspiring Science-based Air Quality and Climate Action Around the World</p> <p>Chairs: Hanna Boogaard & Ebba Malmqvist</p> <p>Taking Stock of the Revision to the Ambient Air Quality Directives in Europe - Barbara Hoffmann The USA Outlook on Air Quality Action – from Science to Policy - Mary Rice Pursuit of Clean Air in India - Pallavi Pant Opportunities for Promoting Integrated Action on Air Pollution and Climate Change in Africa - Evelyne Touré Clean Air and Climate in Chile and beyond: Protecting the Most Susceptible and Vulnerable Populations - María Elisa Quinteros Cáceres Air Quality and Climate Actions in the Oil Fields of Ecuador: protecting the local population in the Amazon - Alexandra Almeida</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL B
08:00	08:45	<p>J. GOLDSMITH AWARD LECTURE</p> <p>Chairs: Jaime E. Hart, Tanya Singh</p> <p>Pesticides and the brain: is epidemiologic research informing policy? Beate Ritz</p>
08:45	09:30	<p>Keynote Lecture 3</p> <p>Chair: Ruth Etzel</p> <p>Building bridges with a community: success stories and cautionary tales - Brenda Eskenazi</p>
09:30	10:00	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:00	11:30	<p>Symposium 11 Wood heaters – assessing health impacts, environmental justice, and sustainable development implications</p> <p>Chairs: Sotiris Vardoulakis & Geoffrey Morgan</p> <p>It takes a village: Big data and community science to support local action on residential woodsmoke in Canada - Sarah Henderson</p> <p>The health burden of residential wood heating in Australia, a health impact assessment - Nicolas Borchers Arriagada</p> <p>Residential wood burning in Southern Chile: a perinatal health study in Temuco - Estela Blanco</p> <p>Residential wood smoke exposure and hypertension in the Helsinki Capital Region, Finland - Enembe Okokon</p> <p>Reducing exposure to residential wood smoke in Australia: health equity, environmental justice, and implementation challenges and opportunities - Sotiris Vardoulakis</p>
11:30	13:00	<p>Symposium 14 Exploring Methodologies and Applications of Multicentric Epidemiological Studies in Environmental Health: Lessons and Insights</p> <p>Chairs: Manolis Kogevinas & Maggie Clark</p> <p>Design issues in observational multicentric studies - Manolis Kogevinas</p> <p>Multicentric environmental health intervention trials: insights from the Household Air Pollution Intervention Network (HAPIN) trial - Maggie Clark</p> <p>Biomarker data in multicentric cohort studies: insights from European early-life exposome projects - Martine Vrijheid</p> <p>The Multi-Country Multi-City (MCC) Collaborative Research Network: novel study designs and methodological advancements for multicentric studies - Antonio Gasparrini</p> <p>CIDACS-Clima Platform: A resource to study the environment, climate and health in Brazil - Mauricio Barreto</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL B
13:20	14:10	Sponsored Collaboration Workshop
14:30	16:00	<p>Symposium 16 Pesticides and Health in Latin America: Investigating novel insights into neurobehavior and birth outcomes within the context of impacted communities.</p> <p>Chairs: Jose Ricardo Suarez-Lopez & María Teresa Muñoz-Quezada</p> <p>Pesticide Exposure and Children’s Neurodevelopment at Five and Six Years in the ISA Birth Cohort Costa Rica - L. Diego Conejo-Bolaños Pesticide Exposure and Pregnancy Outcomes Among Women Living in the Brazilian Amazon - Rafael Buralli Pesticide Exposure and Neurobehavioral Performance across various Agricultural Spray Seasons in Ecuador, and implementation of Agroecological Production Alternatives - Dolores Lopez-Paredes Pesticide Exposure and Neurophysiological and Neurobehavioral Effects in Chilean Rural Communities: Health Impacts and Challenges from Scientific Evidence” - Boris Lucero Mondaca</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>Pecha Kucha Session 09 Chemical exposures and health outcomes II</p> <p>Chairs: Shannon Sullivan & Sotiris Vardoulakis</p> <p>Unraveling chemical exposures in household dust and their impact on children’s health - Paula Marcineková A case-control study of early-life residential exposure to perchloroethylene and risks of childhood leukemia and congenital anomalies - Mark P. Purdue Associations of gestational phthalate and phenol exposure with infant cognition - Nicholas G. Cragoe Respiratory Changes in Children Exposed to Mining Waste Dust in Brumadinho, Minas Gerais, Brazil. Bruminha Project - Ana Paula Natividade de Oliveira Returning chemical exposure results to women in environmental justice communities: involving clinicians to improve outcomes. - Nobel O Hernández Otero Chemical exposomics in plasma from Swedish women and associations with breast cancer risk factors - Jessica Edlund Genome-wide DNA methylation profiles and breast cancer among WTC survivors - Stephanie Tuminello Metabolism-Disrupting Chemical Mixtures in Pregnancy, Folic Acid Supplementation, and Liver Injury in Mother-Child Pairs - Sandra India Aldana Lipophilic Persistent Organic Pollutant and Percentage Changes of Blood Pressure Five Years after Bariatric Surgery among Adolescents: A Mixtures Approach - Shudi Pan</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL B
17:30	19:00	<p>Symposium 18 10 years after the IARC Monograph: What do we know now about air pollution as a carcinogen?</p> <p>Chairs: Rena Jones & Alexandra White</p> <p>How air pollution is related to the incidence of hormone-sensitive cancers in women - Alexandra White Industrial and other point source air pollution and cancer risk - Rena Jones Particulate matter air pollution as a complex mixture - George Thurston Health disparities in air pollution exposure sources/levels - Iona Cheng Air pollution and cancers other than lung: evidence from ESCAPE and ELAPSE projects - Zorana Jovanovic Andersen</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL C
08:00	08:45	<p>J. GOLDSMITH AWARD LECTURE</p> <p>Chairs: Jaime E. Hart, Tanya Singh</p> <p>Pesticides and the brain: is epidemiologic research informing policy? Beate Ritz</p>
08:45	09:30	<p>Keynote Lecture 3</p> <p>Chair: Ruth Etzel</p> <p>Building bridges with a community: success stories and cautionary tales - Brenda Eskenazi</p>
09:30	10:00	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:00	11:30	<p>Symposium 12 Occurrence and Health Impacts on Exposure to Per- and Polyfluoroalkyl Substances (PFASs)</p> <p>Chairs: Po-Chin Huang & Shoji F. Nakayama</p> <p>Occurrence and Temporal Changes of Emerging and Legacy Per- and Polyfluoroalkyl Substances in the General Population of Taiwan and East-Asian After 2013 - Po-Chin Huang Association of PFAS with thyroid hormone levels in women from a highly exposed community in North Carolina, USA - Jane Hoppin Serum concentrations of per- and polyfluoroalkyl substances (PFAS) and risk of renal cell carcinoma: Recent findings from prospective cohorts - Jonathan N Hofmann Association between per- and polyfluoroalkyl substances and Japanese children's health and development - Yu Ait Bamai Per- and polyfluoroalkyl substances and children's health in JECS - Shoji F. Nakayama</p>
11:30	13:00	<p>Traditional Oral Session 15 Health Impacts of Chemical Exposure: From Vulnerable Populations to Global Concerns</p> <p>Chairs: Laura C. Arboleda Merino & TBA</p> <p>Social and Environmental Injustice of Plastic Pollution: Report of the Minderoo-Monaco Commission on Plastics and Human Health - Adetoun Mustapha Association between PFAS and inflammation biomarkers among U.S adolescents - Chan Li Loss of Cognitive Function in Mexican children due to lead exposure and the associated economic costs - Jose Luis Figueroa Social vulnerability and cadmium's impact on cognition among older adults in the United States National Health and Nutrition Examination Survey - Laura C. Arboleda Merino Exposure to uncommon industrial toxicants in an environmental justice community in coastal GA, USA - Noah Scovronick</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL C
14:30	16:00	<p>Traditional Oral Session 17 Temperature variability and health effects</p> <p>Chairs: Kenza Khomsi & Luis Cifuentes</p> <p>Set when the sun rises, rise when the sun sets: Climate change adaptive strategies of small holder farmers in Vietnam - Miranda Dally Subnational analysis of the burden of mortality attributable to non-optimal temperature in Colombia, 2010-2019 - Rodrigo Sarmiento Suarez Children's Cardiovascular Health in a Changing Climate: Associations of Prenatal Heat Stress and Nature-Based Adaptation Features with Child Blood Pressure - Shohreh F Farzan Mortality burden from Heat and extreme heat exposure in Chile, 1990-2017 - Luis Cifuentes Spatial patterns of heat exposure and child hospital admissions in Aotearoa New Zealand - Hakkan Lai</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>Pecha Kucha Session 10 Climate change, temperature variations and health effects</p> <p>Chairs: Stella Hartinger & Malebo Makunyane</p> <p>Higher temperatures are associated with lower birthweight in Bangladesh - Elizabeth Ludwig Borycz Residential green space and summer heat stress: a repeated cross-sectional study - Eva Beele Association between Climatic Factors and Pregnancy Loss - Aashna Pranav Shah Examination of the association between temperature variability and cardiovascular and respiratory mortality in South Africa, 2006-2016 - Malebo Makunyane Estimating excess mortality during heat waves using a causal inference framework and non-randomized time series - Marie Abele Bind Heat-related deaths in England and Wales: contributions of climate change and vulnerability - Kai Wan Body Mass Index as Effect Modifier of Heatwave and Cold Spell Mortalities: Longitudinal Study in China - Di Xi DLNMs, extreme heat and the risk of mortality in the 27 State Brazilian Capitals - Alindomar Lacerda Silva Heat-related mortality in Mexico: A multi-scale perspective on health effects and vulnerability to extreme heat over space - Lara Schwarz Projections of the Future Heat Health Burden: The Influence of Climate, Socioeconomic and Demographic Change - Rebecca Cole</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	SAN CRISTOBAL C
17:30	19:00	<p>Traditional Oral Session 20 Community-Driven Approaches to Environmental Justice</p> <p>Chair: Matthew J. Ward</p> <p>Principles for Robust Cumulative Risk Assessment - Jessica Trowbridge Promotion of environmental health literacy through culturally competent educational materials - Chrystal M Galán Rivera Cold and costly to sweaty and stressed: how an NGO-led citizen science project measures indoor temperature to advocate for change - Adelle Mansour Implementing community-based participatory research for environmental justice: Insights from the West London Healthy Home and Environment study - Munira Suleiman Elmi Hair Care Product Exposure Among Pregnant Women of Color in New York City: Feasibility of a Mixed-Methods Educational Intervention Study - Jasmine A Mcdonald Two-way community engagement in environmental (in)justice research: lessons learned from northwest Indiana, USA - Ellen M Wells</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA A
09:30	10:00	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:00	11:30	<p>Traditional Oral Session 11 Climate change and disparities</p> <p>Chairs: Risto Conte Keivabu & Ang Li</p> <p>Are frail populations more vulnerable to temperature-related mortality? The case of Sweden, 2001-2020 - Risto Conte Keivabu Health risks from non-optimal temperatures in different populations and regions in China: tailored intervention strategies are needed - Yonghong Li Amplified Harm: LGBTQ+ Disaster Displacement - Jessica Geiger Disparities of Electronic Vehicle Adoption in California and Urban Gentrification: A Community Dialogue Informed Approach - Erika Garcia Sickle cell, thalassemia, and heat - an environmental justice concern: results from a pilot study using California hospitalization records, 1999-2019 - Dharshani Pearson</p>
11:30	13:00	<p>Traditional Oral Session 16 Impact of pesticide exposure: from developmental neurobehavior to cardiovascular health</p> <p>Chairs: Jessica Madrigal & Boris Lucero</p> <p>Interrelationships of Prenatal Pyrethroid Exposure, Placental Gene Network Modules, and Neonatal Neurobehavior - Yewei Wang Association of Prenatal Pesticide Exposure with Measures of Cognitive Performance in Midlife: Evidence from the Child Health and Development Studies - Pam Factor Litvak Assessment of associations between exposure to pesticide mixtures and neurobehavioral outcomes in Ugandan farmers employing state-of-the-art multi-pollutant models - Anouk Petitpierre Urinary Glyphosate and mortality in the 2013-2016 National Health and Nutrition Examination Survey (NHANES) - Emanuela Taioli Effects of pesticides on cardiovascular health assessed through heart rate variability: a systematic review - María Victoria Rodríguez Contreras Associations between Pesticide Metabolites and Inflammatory Biomarkers in Adolescents and Children Living in an Agricultural Region - Mohammed Nour Hussari</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA A
14:30	16:00	<p>Traditional Oral Session 18 Methods in Modeling for environmental epidemiology and exposure assessment</p> <p>Chairs: Nikolaos Stratakis & Marianthi-Anna Kioumourtzoglou</p> <p>Modeling time-varying dispersion to improve estimation of the short-term health effect of environmental exposure in a time-series design - Danlu Zhang Modeling joint health effects of temperature and air pollution mixtures using Bayesian regression tree ensembles - Jacob Englert Distributed Lag Models for Estimating Acute Effects of Mixed Environmental Exposures in the Case-crossover Design - Yue Zhang Assessing the impact of air pollution and temperature on population health: a question of effect modification or interaction? - Michela Baccini Unbiased temperature-mortality estimates using weekly and monthly health data - Joan Ballester Improved Selection of Pairwise Interaction Effects via Automated Calibration of Hierarchical Group-LASSO Regularization in a Stability Selection Framework. - Ruben Julius Colindres Zuehlke</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>Pecha Kucha Session 11 Old pollutants, new boundaries: expanding the knowledge on air pollution and health</p> <p>Chairs: Laura Andrea Rodriguez Villamizar & TBA</p> <p>Associations Between Experiences of Discrimination, Socioeconomic and Racial Polarization, and Birth Outcomes in the Atlanta African American Maternal Child Cohort - Jasmin A Eatman The Effect of Coke Plant Shutdown on Air Pollution: An Interrupted Time Series Analysis of Source-Appportioned PM2.5 - Wuyue Yu Gene-environment interaction between exposure to smoky coal combustion and a polygenic risk score with the risk of lung cancer - Batel Blechter A history of environmental injustice: segregation and air pollution in 1940 and 2010 in the United States - Jenni A Shearston Chemical characterization and source identification of indoor PM2.5 in urban and rural households in India - Jyothi S Menon Modification effects of fish oil supplementation on the association between ozone and arterial stiffness - Xiaochuan Pan Patterns of health by gender in a "zone of sacrifice": social and environmental factors for chronic diseases in Coronel, Chile - Sandra Cortés Household air pollution exposure assessment using low-cost air monitors: results from a large prospective cohort (HEALS-AIR) study in Bangladesh. - Saira Tasmin Use of satellite data to increase public health advisories for poor air quality in the sugarcane growing region of Florida - Laura C Myers Lung function and symptoms of exposure to the approximately 3 months volcanic eruption in La Palma Island (Spain) 2021 - Ruano Alberto Ravino</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA A
17:30	19:00	<p>Traditional Oral Session 21 Environmental and planetary health insights</p> <p>Chairs: Tamara Schikowski & Zulkhairul Naim Bin Sidek Ahmad</p> <p>Epidemiological situation of melioidosis with economic characteristics and health service influence, Thailand, 2016-2020 - Patcharaporn Dejburum Anthropogenic origin pollutants shape microbial metabolites in an alpine soil, Romania - Emoke Dalma Kovacs Association of Biodiversity and Greenness with Cardiovascular Disease Incidence in a Nationwide US Prospective Cohort Study of Women (1988-2018) - Charlotte Roscoe Land use impact on soil microbial community in Continental Transylvania (Romania) - Melinda Haydee Kovacs Health and environmental impacts of reducing animal-source foods in diet, comparing dietary distances from reference diets in EPIC - Lorenzo Mangone Does intermittent water supply influence beverage consumption patterns among adolescents and adults in Mexico? A nationally representative, cross-sectional analysis - Juan Carlos Figueroa</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA B
09:30	10:00	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:00	11:30	<p>Traditional Oral Session 12 Respiratory health and environmental exposures I</p> <p>Chairs: Ashtyn Tracey Areal & Bénédicte Jacquemin</p> <p>Air pollution, genetic susceptibility and risk of progression from asthma to chronic obstructive pulmonary disease - Yutong Samuel Cai Meteorological associations of maximum temperature on airway obstruction in elderly German women - Ashtyn Tracey Areal Long-Term Exposure to Air Pollution and Lower Respiratory Infection in Adults: Evidence From Over 16-Years' Follow-Up for Danish National Cohort - Jiawei Zhang Traffic emissions and greenspace exposure and associations with respiratory outcomes among urban children and adolescents in India - Sowmya Malamardi Mediation of immunological markers in the association between per- and polyfluorinated substances (PFAS) and respiratory outcomes among Inuit adults - Amira M Aker</p>
11:30	13:00	<p>Flash Oral Session 16 Unveiling the links between short-term exposure to air pollution and health effects</p> <p>Chairs: Diana Alcantara & Youssef Oulhote</p> <p>Short-term association of oxidative stress and inflammation with personal exposure to ozone: A pilot study - Iván Yassmany Hernández Paniagua Effects of Air Pollution on Pediatric Incident Seizure: A Case-crossover Analysis - Junfeng (jim) Zhang Short-term exposure to ultrafine particles and respiratory infection hospital admissions in children - Marie Bergmann The association between the Daily Air Quality Index, inhaler prescriptions and mortality following Guy Fawkes Night celebrations in the UK - Laura J Horsfall Particulate Matter induces Renal Inflammation, Oxidative Stress and Fibrosis in Animal Model of Chronic Kidney Disease (CKD) - Duk Hee Kang Maternal exposure to air pollution and risk of stillbirth in São Paulo, Brazil - Results from the FetRisks case-control study - Rafael Buralli Changes in PM2.5 toxicity in three large US cities during 2005-2019 - Stefanie Ebelt Modification of the Association Between PM2.5 and Heart Rate by -Blocker Prescription Among Heart Failure Patients - Morgan Narain Characterizing air and noise pollution in elementary schools in Accra, Ghana - Raphael Edem Arku</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA B
14:30	16:00	<p>Traditional Oral Session 19 Environmental epidemiology and one health: global perspectives II</p> <p>Chairs: Atiqul Haque & Hannah McClymont</p> <p>Temporal dynamics of COVID-19 transmission and public health interventions: A multi-city analysis of Australian capital cities in different climate zones - Hannah McClymont Assessing the sentinel capacity of mollusks for monitoring antimicrobial resistance in the marine environment - Gabriel Arriagada A Habitat Suitability Analysis for Three {Culicoides} Species Implicated in Bluetongue Virus Transmission in the Southeastern United States - Peter Kessinger Animal waste management and antibiotic-resistant {E. coli} in subsistence farming households of rural Nepal - Heather K Amato Knowledge, attitudes, and practices towards the risk of zoonotic diseases, wildlife trade and wildlife consumption in Latin America - María Teresa Solís Soto Swine fecal waste source tracking on household surfaces proximal to swine concentrated animal feeding operations in southeastern North Carolina, USA. - Kathleen M Kurowski</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>Pecha Kucha Session 12 Urban drivers of environmental exposure disparities</p> <p>Chairs: Anmol Anand Pardeshi & Rebecca Bentley</p> <p>Simulating desegregation through affordable housing development: an environmental health impact assessment of Connecticut zoning law - Daniel Carrión Tenant Reports of Poor Housing Conditions Are Associated with Neighborhood Rate of Childhood Asthma Emergency Department Visits in Boston, MA - Sophia S Carry Indoor mould and population health: estimating the costs in Australia - Rebecca Bentley Environmental exposures and residential mobility among Hispanic and non-Hispanic White families in California - Anmol Anand Pardeshi Blackouts in Massachusetts, 2013 to 2022: Exposure Description and Environmental Justice - Amruta Nori-Sarma PM2.5 exposure disparities persist despite strict vehicle emissions controls in California - Libby H. Koolik Body dissatisfaction widens the racial disparities of Benzophenone-3, a chemical biomarker of personal care and consumer product usage - Vy Kim Nguyen Roads to Environmental Health Disparities: Unveiling the Effects of Early Life Stress on the Acute Inflammatory Response to Traffic Pollution - Hector Alfonso Olvera Alvarez Strengthening the Consideration of Social Susceptibility/Vulnerability in Human Health Risk Assessment: Data and Methodological Needs - Onyemaechi Nweke Systematic evidence maps of psychosocial stressors, environmental exposures, and cardiovascular diseases to inform health disparities research and action - Ruth M Lunn</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA B
17:30	19:00	<p>Flash Oral Session 24 Modeling and predicting on air pollution and health effects</p> <p>Chairs: Christian Sewor & TBA</p> <p>Number of samples needed to estimate long-term household air pollution - Kyle Steenland WellHome: A Community-Based Study for Investigating Indoor Air Pollution in an Urban Community in London, England. - Diana Varaden Assessing atmospheric pollution concentrations in Mexico for chronic exposure models: a remote sensing approach - J. Miguel Salazar Advancing Air Quality Prediction: An Evaluation of WRF Model Configurations and Their Impact on Meteorological Parameters in Hungary - Houria Bouzghiba Multinational modelling of fine particulate matter and carbon monoxide exposures from household air pollution in peri-urban Sub-Saharan Africa - Matt Suppler A simulation study analyzing the impact of differential exposure measurement error of air pollution on preterm birth - Marianthi-Anna Kioumourtoglou Machine Learning Methods for Source Characterization of Ambient Ultrafine Particles in an Urban Community - Sean C Mueller Estimation of 15 Particulate Matter Components in the U.S. from 2000-2019 using 3-Stage Ensemble of Machine Learning Models - Bryan N. Vu</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA C
10:00	11:30	<p>Traditional Oral Session 13 Prenatal exposure and neurodevelopmental outcomes</p> <p>Chairs: Josh Alampi & Katarzyna Kordas</p> <p>Associations between mixtures of placental PFAS levels and neurodevelopmental outcomes at 12 and 24 months of age in Arkansas, US - Neha Sehgal Early Life Phthalate Exposure Impacts Gray Matter, White Matter, and Total Cortical Volume in Infants and Young Children - Emily J Werder Prenatal exposure to a metal mixture and sleep disturbance in preschool-aged children - Francheska M. Merced Nieves Exposure to air pollutants on maternal internal exposome during pregnancy and its impact on the child neurodevelopment at first year. - Jonatan Alejandro Mendoza Ortega Prenatal exposure to metals and metalloids and child neurodevelopment outcomes in Puerto Rico - Savannah M. Sturla Irizarry Facial and content validity of the CDC-NIOSH "Dampness and Mold Assessment Tool. General Buildings" into Latin American Spanish - Raquel Rivera Carvajal Prenatal chlorpyrifos and pyrethroid exposure and children's cortical brain activation in the ISA birth cohort, Costa Rica: an exploratory study - Berna Van Wendel De Joode</p>
11:30	13:00	<p>Flash Oral Session 17 Health impacts of per- and polyfluoroalkyl substances (PFAS) exposure</p> <p>Chairs: Brittney O. Baumert & Maria Jose Talayero</p> <p>Cross-sectional associations between prenatal maternal per-/poly-fluoroalkyl substances (PFAS) and bioactive lipids in three Environmental influences on Child Health Outcomes cohorts - Himal Sunil Suthar Association between prenatal plasma concentrations of perfluoroalkyl substances and long-term maternal metabolic health - Jana Palaniyandi Pharmacokinetic (PK) modeling of per- and polyfluoroalkyl substances (PFAS) exposure among children in the general population - Yerin Jung Exposure to Perfluoroalkyl Substances is Associated with Longitudinal Changes in Adiposity in a Hispanic Adolescent Cohort - Emily Beglarian Determinants of Per- and Polyfluoroalkyl Substances (PFAS) Exposure among Wisconsin Residents - Rachel Pomazal Predictors and temporal trends of maternal plasma per and poly-fluoroalkyl substances at delivery: Boston Birth Cohort, 1998-2016 - Giehae Choi Investigating trace concentrations of per- and poly-fluoroalkyl substances (PFAS) in London drinking water - Alexandra Kate Richardson Placental DNA methylation levels associated with individual and mixtures of PFAS in healthy human pregnancies - Todd Everson PFHpA alters lipid metabolism and increases the risk of metabolic dysfunction-associated steatotic liver disease (MASLD) in youth—a translational research framework - Brittney Olivia Baumert</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA C
14:30	16:00	<p>Flash Oral Session 20 Wildfires, air pollution, and health impacts - from understanding to acting</p> <p>Chairs: Dwan Vilcins & Kelvin Fong</p> <p>The prolonged impact of a one-day wildfire on community health: Findings from the 2023 Gangneung wildfire in Korea - Changwoo Han Associations between wildfire smoke PM2.5 and respiratory emergency department (ED) visits in the Western United States, 2007 to 2018 - Wenhao Wang Wildfire-Induced Shifts in PM2.5 Speciation Across the Contiguous US and Southern Canada - Zhihao Jin Climate Resiliency in Action: Building Community Resilience To Reduce Wildfire Smoke Exposure in British Columbia, Canada - Ravneet Mundi Prenatal Wildfire Smoke Exposure and Child Neurodevelopmental and Behavioral Outcomes - Rebecca J Schmidt Climate Vulnerability Modifies Fetal Growth with Heat Stress and Wildfire Smoke Exposure during Preconception and Pregnancy - Roxana Khalili Long-term exposure to wildfire smoke PM2.5 and mortality in the contiguous United States - Yiqun Ma Impact of Wildfire Smoke on Pediatric Asthma Hospital and Emergency Department Visits in Northern California - Rebecca A. Sugrue Modelling the mortality burden attributable to future fire-related PM2.5 for Paraguay under CMIP6 climate projections - Nicolas Borchers Arriagada</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>Pecha Kucha Session 13 Food contamination and health risks</p> <p>Chairs: Alejandra Cantoral & Homegnon Antonin Ferreol Bah</p> <p>Spatio-temporal modeling of aflatoxin contamination in Texas corn and liver cancer incidence - Sean Gregory Young Big data and machine learning-based nutritional and health assessment of dietary patterns - Teresa Rebelo Human milk and environmental pollutants: exploratory study in a maternity in Rio de Janeiro - Laís Araújo Da Silva Association between food insecurity and colorectal cancer screening using the New York State Behavioral Risk Factor Surveillance System (BRFSS) - Tara Ivic Pavlicic Food insecurity and social vulnerability in children affected by an environmental disaster - Maira Lopes Mazoto Reverse-Engineered Exclusive Enteral Nutrition As Induction Therapy In Pediatric Crohn's Disease: Effects on Systemic Immunity and Environmental Toxin Exposure - Elizabeth Alexandra Reznikov Risk factors for enteric diseases transmission through street vended juices: Assessment from empirical data in La Paz, Bolivia - Freddy Soria Content of heavy metals in baby foods and most consumed foods in Mexican Population - Alejandra Cantoral Mycotoxin exposure and their potential risk in the Maule Cohort (MAUCO), Chile. - Claudia Foerster</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VALDIVIA C
17:30	19:00	<p>Flash Oral Session 25 Climate change and health outcomes</p> <p>Chairs: Mislael A. Valentin Cortes & TBA</p> <p>Analyzing the Saharan oscillation index, and its correlation with climate indices - Younes Tebbaai Examining the effects of power outages on cardiovascular hospitalizations among Medicare enrollees in New York State, 2007-2008 - Vivian Do Short-term exposure to relative humidity and lung health in early adolescents - Nicholas J Nassikas Ultraviolet radiation and systemic lupus erythematosus: combining evidence from mendelian randomization with a time series distributed lag non-linear model - Ting Gan Compounding Disasters, Reproductive Health Outcomes and Colonialism: Analysis from Puerto Rico, Texas and Florida, 2017-2022 - Mislael A. Valentin Cortes A novel application of Standard Precipitation Index estimates to identify climate-related mortality risks in the Agricultural Health Study - Richard V Remigio Associations between local 30-day averages of weather variables and notifications of Shiga toxin-producing E. coli in Aotearoa New Zealand 2010-2019 - Farnaz Pourzand</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	QUIXOTE
10:00	11:30	<p>Traditional Oral Session 14 Chemical Exposures and Cancer Incidence</p> <p>Chairs: Mohammad Rahman & Sandra Cortes</p> <p>Decoding Chemical Exposome of a Typical Regionally Prevalent Disease: Esophageal Squamous Cell Carcinoma in North China - Shenxi Deng Dose response analysis of protracted absorbed organ dose and site-specific cancer incidence in Sweden after the Chernobyl accident - Martin Tondel Spatial Distribution of PFAS-Contaminated Public Water Systems and Incidence of Kidney and Thyroid Cancer - Resa M Jones Metabolomics signatures of air pollution mixtures and lung cancer risk: Large-Scale Metabolome-Wide Association Study in the Cancer Prevention Study Cohorts - Sabrina S. Chow Serum concentrations of per- and polyfluoroalkyl substances and risk of ovarian cancer - Rena R. Jones Maternal serum concentrations of persistent organic pollutants and childhood leukemia among offspring in the Finnish Maternity Cohort - Mary H Ward</p>
11:30	13:00	<p>Flash Oral Session 18 Prenatal Exposures and Neonatal Outcomes</p> <p>Chairs: TBA & Benjamin Barratt</p> <p>Maternal Exposure to Submicronic Particulate Matter (PM1) and Risk of Birth Defects in Shanghai, China - Cheng Li Association of Preconception Air Pollution Exposure with Growth Trajectory in Children - Zhanghua Chen Pesticide exposure during pregnancy and risk of early onset asthma and wheeze in the offspring - Torben Sigsgaard Prenatal exposure to phenols and fetal growth across pregnancy - Paige Bommarito Gestational phthalate exposure and mitochondrial DNA copy number - Tessa R. Bloomquist Association of stillbirths and preterm birth with wildfires in Sydney, Australia between 2010 and 2020 - Tanya Singh Prenatal Per- and Polyfluoroalkyl Substances (PFAS) and Oxidative Stress: Evidence from the LIFECODES Study - Ram Siwakoti Prenatal urinary mycoestrogen exposure and birthweight in the TIDES pregnancy cohort - Zorimar Rivera Núñez Agricultural Pesticide Exposures During Preconception and Pregnancy and Associations With Apgar Scores - Audrey R. Yang</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	QUIXOTE
14:30	16:00	<p>Flash Oral Session 21 Health Impacts of PFAS Exposure</p> <p>Chairs: Cassandra Clark & Jose Suarez</p> <p>Blood lipid levels and exposure to perfluoroalkyl substances (PFAS), phthalates and DINCH in Slovak adolescents - Lucia Fabelova Gestational per- and polyfluoroalkyl substance mixtures in association with birth size and postnatal growth: The New Hampshire Birth Cohort Study - Megan Romano Associations Between PFAS and Longitudinal Changes in Insulin Sensitivity in Adolescents - Elizabeth Costello Per- and polyfluoroalkyl substances (PFAS) in drinking water and mortality across the United States counties - Karen Stephanie Valladares Exposure to per- and polyfluoroalkyl substances and inflammatory bowel disease: A Systematic Review and Meta-Analysis - Celina Nicole Phillipson Association of Per- and Polyfluoroalkyl Substances with Bilirubin during Pregnancy - Kaitlin R Taibl Poly- and Perfluoroalkyl Substances are Associated with the Composition of Human Milk - Nathan Young Exposure to per- and polyfluoroalkyl substances (PFAS) and health outcomes among a high exposure-risk population - Kathryn Crawford</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>SNRN Session 1 Transitioning from PhD to Postdoc</p> <p>Moderators: Maria Luisa Medina Pizzali, Jaime Reyes Sánchez</p> <p>Speakers: Rafael Buralli, Nicolas Borchers Arriagada, Charlie Roscoe</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	QUIXOTE
17:30	19:00	<p>Flash Oral Session 26 Advances in exposure assessment methods</p> <p>Chairs: Julia Anglen Bauer & Aaron James Specht</p> <p>Deciduous teeth from the New Hampshire Birth Cohort Study: Early life environmental and dietary predictors of dentin elements - Julia Anglen Bauer Co-occurrence of public safety power shutoffs and ambient heat in California, USA - Kate Burrows Residential proximity to sugarcane fields and kidney function among Nicaraguan youth - Samantha M Hall Two Tools for Including the Indoor Environment in Environmental Epidemiological Evaluations - Carl Grimes Multi-toxicant measurements of dried blood spots using x-ray fluorescence - Aaron James Specht Arsenic Exposure Assessment: Method Development and Application in Rural Populations - Valery Bühl Evaluation of Pesticide Exposure Assessment Strategies in Agriculture Adjacent Communities - Grant Erlandson Health Risk Assessment in Children Occupationally and Para-Occupationally Exposed to Benzene Using a Reverse-Translation PBPK Model - Kristal Regina Pech</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	DIRECTORIO E
10:00	11:30	<p>Flash Oral Session 15 Water pollution: modern challenges</p> <p>Chairs: Citlalli Osorio & Maya Spaur</p> <p>River plasmidome diversity increases with urban associated pollution in the Virilla River in Costa Rica - Kenia Barrantes Jiménez Human Oral Exposure to Nano- and Microplastics and Plastic Additives in Barcelona, Spain: a series of single-case studies - Emma Calikanzaros Prenatal exposure to perfluoroalkyl substances (PFAS) via water contamination and risk of childhood cancers in California, 2000-2015 - Natalie Rose Binczewski Overview of systematic reviews and exposure-response functions on nitrate in drinking water and colorectal cancer - Jörg Schullehner Associations between urinary perchlorate and thyroid health outcomes in Yuma County, Arizona - Jenna K. Honan Per and Polyfluoroalkyl Substances (PFAS) Concentrations in Serum and Drinking Water in Pregnant Women from the Greater Cincinnati HOME Study - Shelley Ehrlich Prevalence and determinants for antimicrobial resistance in drinking water in rural Cajamarca, Peru, analysis of a one-year home-based intervention - Maria Luisa Medina Pizzali Risk Perceptions and Behaviours of Beachgoers toward Recreational Water Quality in Canada: A Qualitative Study - Binyam Negussie Desta</p>
11:30	13:00	<p>Flash Oral Session 19 Advanced methods for environmental epidemiology</p> <p>Chairs: Anke Huels & Sindana Ilango</p> <p>Enhancement of low-resolution MRI contrast using super resolution for environmental neuroepidemiology - Jasmine D Cakmak Community Mini-Grants Related to Social Determinants of Health Affected by COVID-19 in Puerto Rico - Ana C Guzzi Vasques Examining Energy Insecurity in New York City Through StreetTalk: A Novel Street Intercept Interview Method for Rapid Social Media Dissemination - Nadav L Sprague International Research Collaboration Challenges in the Household Air Pollution Intervention Network Trial - Managing Ethical, Community, and Logistical Considerations - Shirin Jabbarzadeh Georeferenced community information system: a planning and research tool for economic, social, cultural and environmental determinants of health in Ecuador. - Jose Suarez Torres The impact of recall bias on the association between talc and ovarian cancer in case-control studies - Denali N Boon Maximising research in environmental epidemiology using large cohorts such as UK Biobank - opportunities and pitfalls - Anna Hansell Evolution and characteristics of studies estimating attributable mortality to second-hand smoke: a systematic review - Leonor Varela</p>
13:00	14:30	LUNCH BREAK



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	DIRECTORIO E
14:30	16:00	<p>Flash Oral Session 22 Characterization of internal and external exposome</p> <p>Chairs: Nicholas B Defelice & Rafaela Soares Senra Da Costa</p> <p>An environment-wide association study of chemical exposures and all-cause mortality in the National Health and Nutrition Examination Survey, 1999-2018 - Erika Walker Characterizing the heat stress and air pollution exposome to assess acute kidney injury in NYC runners - Nicholas B Defelice Associations between multiple environmental exposures and sleep duration and quality in the Nurses' Health Study 3 - Cindy R. Hu Metalloids insights into interstitial lung disease pathogenesis - Young Mi Go New insights about genetic polymorphisms associated with metal metabolism: a systematic review - Rafaela Soares Senra Da Costa Defining a long COVID 'exposure' within the P402 COVID-19 study - Judith Holtjer Exploratory Untargeted Metabolomics Analysis Reveals Differences in Metabolite Profiles Related to E-cigarette Exposure During Pregnancy in the NYU CHES Cohort - Haleigh Cavalier Mapping the maternal metabolome and internal exposome to identify biomarkers of preterm and early term birth among African Americans - Youran Tan The influence of legally prescribed and local pharmacy supplied opioids on small area suicide rates - Douglas S Tharp</p>
16:00	16:30	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:30	17:30	<p>Flash Oral Session 23 Environmental Noise and Health</p> <p>Chairs: Yu Chen & Marianthi-Anna Kioumourtoglou</p> <p>Environmental noise exposure effect on cortisol levels in children from seven European birth cohorts: preliminary results - Ane Arregi Transportation noise and cognitive functioning among older adults in the Chicago Health and Aging Project - Stephanie T Grady Measurement and analysis of intra-urban environmental noise in Melbourne, Australia - Rachel Tham Associations of road traffic noise, air pollutants and temperature with the prevalence of mental disorders: the Taiwan biobank-based study - Ta Yuan Chang Effects of combined exposure to railway vibration and noise on severe annoyance - Jurriaan Hoekstra</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	DIRECTORIO E
17:30	19:00	<p>Flash Oral Session 27 Health impact of metal exposures</p> <p>Chairs: Ana Navas-Acien & Wending Li</p> <p>The association of blood lead with cardiovascular disease incidence and mortality in the Strong Heart Study - Wil Lieberman Cribbin Lead exposures and case surveillance of children in England 2021-2023 - Neelam Iqbal Circulating metals, leukocyte miRNAs and cardiovascular effects: Potential role of inflammatory and immune-related pathways - Wending Li Prenatal exposure to metals and infant growth trajectories in a rural U.S. pregnancy cohort - Caitlin G Howe Halved mortality after reducing arsenic exposure in Bangladesh: a prospective cohort study with more than 20 years of follow-up - Yu Chen Prenatal exposure to metals and neurodevelopment outcomes in 1-year-old children living in an urban area - PIPA Project Brazil - Monica Seefelder De Assis Araujo Racial/ethnic, socioeconomic, and acculturation disparities in exposure to contaminant metals among US adults - Molly E Schwalb Analyzing the Joint Association of Early-life Ambient Cadmium and Elevated Blood Lead on Children's Test Scores Using Linked Data - Jeanette A Stingone Lead and Cancer Mortality among American Indian Populations: A Prospective Cohort Study - Harpriya Kaur</p>
20:30	23:30	CONFERENCE DINNER



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VIRTUAL PLATFORM
06:00	07:30	<p>Virtual Session Asia / Pacific 1: Global environmental exposures and health impacts</p> <p>Chairs: Yohannes Tefera Damtew, TBA</p> <p>A global effort to assess human exposure to daily landscape fire air pollution over two decades - Rongbin Xu Early Cardiovascular Effects of Indoor Environmental Quality During Sleep in Children: Insights from a Small Cohort Study in Taiwan - Nai Tzu Chen Ignorance Production in Fukushima: An Critical Review of Analysis of Thyroid Cancers in Fukushima - Yutaka Hamaoka Enhancing Epidermal Defense Against Air Pollution with Protective Cosmetics for residents in Taipei - Fu Yu Chan Exposure to herbicide mixtures and hypertensive disorders: a nested case-control study in rural China - Yilin Zhou Associations between heat waves and chronic kidney disease: The modifying role of land cover and urban-rural differences - Wanzhou Wang Compound heatwave and ozone pollution adaptation has higher health benefits than single-event adaptation under future climate change scenarios - Tiantian Li The impact of ambient temperature on Enteric infections in the context of climate change: A Systematic review and meta-analysis - Yohannes Tefera Damtew</p>
10:00	11:30	<p>Virtual Session Europe/Africa 2: Environmental exposures and biological impacts</p> <p>Chairs: Samendra Sherchan & TBA</p> <p>Sex-specific associations of traffic noise with adipose tissue traits and hepatic health - Fiona Niedermayer Within- and between-day variability and reproducibility of urinary glycol ethers metabolites in pregnant women - Cecile Chevrier Glyphosate exposure, muscular health and functional limitations in middle-aged and older adults. - Esther García Esquinas An operational framework for real-time forecast of temperature-related excess mortality at small-area level - Antonio Gasparrini Temperature-related mortality: evidence from 303 large cities of Russia - Natalia Shartova Hair-derived exposome exploration of cardiometabolic health: piloting a Bayesian multi-trait variable selection approach - Rin Wada High dimensional biology to assess the effects of the exposure to heavy metals, plasticizers and pesticides on child neurodevelopment - Nafsika Papaioannou</p>



DAILY PROGRAM

DAY 2 AUGUST 27, 2024 - TUESDAY

START	END	VIRTUAL PLATFORM
14:30	16:00	<p>Virtual Session North & Latin America 3: Chemical exposures and health outcomes</p> <p>Chairs: TBA</p> <p>Associations between Exposure to Perfluoroalkyl Substances at Preconception and BMI Z-Scores in Children from Singapore - Nathan J. Cohen Prenatal Exposure to Chemical Mixtures and Metabolic Syndrome Risk in European Children - Nuria Güil Oumrait Prenatal exposure to mixtures of endocrine-disrupting chemicals in association with obesity in childhood and adolescence - Nuria Güil Oumrait Pesticide use and inflammatory bowel disease in licensed pesticide applicators and spouses in the Agricultural Health Study - Dazhe Chen Quantitative measures of recent and lifetime agricultural pesticide use are associated with increased pesticide concentrations in house dust - Shuai Xie Review of scientific evidence presented at landmark US federal court trial on risk of developmental neurotoxicity from artificially fluoridated water - Chris Neurath Per- and Polyfluoroalkyl Substances, Perceived Stress, and Birthweight among Reproductive-aged Black Women from Detroit, MI - Samantha Schildroth</p>
17:30	19:00	<p>Virtual Session North & Latin America 4: Environmental justice and community health</p> <p>Chairs: TBA</p> <p>A community-engaged approach to assess arsenic exposure in private well users in rural communities: The South Texas Arsenic Research Project - Taehyun Roh A Participatory Intervention to Mitigate Arsenic Exposure from Drinking Water and Kidney Damage - Taehyun Roh From redlining to reproduction: Examining the influence of historical neighborhood disinvestment on fertility - Sharonda M. Lovett Neighborhood socioeconomic status and fertility in the Black Women’s Health Study - Amelia Kent Wesselink Assessing Risk Levels of Lead Presence in Residential Soils: A Case Study in Lima, Peru - Eda Palacios Who tests for lead and why? A 10-year analysis of blood lead screening & follow-up in a US healthcare system - Aaron Reuben Levels risk assessment of lead exposure in La Oroya City, Peru - Maria Teresa Cuyubamba</p>



36th Annual Conference
of the International Society
for Environmental
Epidemiology

August 25-28, 2024



DAILY PROGRAM

DAY 3
AUGUST 28, 2024
WEDNESDAY



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL A
08:00	08:15	AWARD CEREMONY
08:15	09:00	Keynote Lecture 4 Chairs: Pau Chung Chen Climate change and challenges for sustainable development - Stella Hartinger
09:00	09:45	Keynote Lecture 5 Chairs: Zorana Jovanovic Andersen Urban health in Latin America and the Caribbean - Ana Diez Roux
09:45	10:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:15	11:45	Symposium 19 Environmental justice, climate change and workers' health - what are the missing links? Chairs: Rafael Buralli & Mariana Butinof Outdoor temperature and green tobacco sickness in migrant farm workers - Marcela Tamayo y Ortiz In an increasing wildfire outbreaks scenario, do we need to worry about wildland firefighters? - Kelly Polido Kaneshiro Olympio Addressing Waste Pickers Livelihoods as Key to Cities Resilience - Sonia Dias Street vendors: Climate change impacts on the health of workers with subsistence jobs on the streets of Medellín - Colombia - María Osley Garzón Duque Climate-related health effects among MAUCO cohort, Chile - Sandra Cortés



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL A
11:45	12:45	<p>Pecha Kucha Session 14 Pollution's pathways: exploring the air pollution impacts across populations and contexts</p> <p>Chairs: Tarik Benmarhnia & Anjali Dakshina Kumar</p> <p>Bumper to Bumper: Evaluating Correlations Between Traffic Density and Traffic-Related Air Pollutants In North Carolina - Anjali Dakshina Kumar Cross-sectional associations between 48-hour fine particulate matter exposure and blood pressure amongst children in rural Rwanda - Christian Sewor Beyond individual race and income: the role of contextual deprivation in air pollution and cardiovascular disease - Jiajun Luo Association between air pollution exposure and menstrual cycle irregularity in a representative sample of premenopausal women in Korea - Kyoung Nam Kim Chemical composition and source analysis of PM2.5 in a Population Area from the Aburra Valley Colombia: COVID-19 pandemic effects - Miriam Gómez Prenatal and postnatal source-specific PM10 effects on child cognition at 4 and 18 months in an England birth cohort - Yingxin Chen Utilizing large-scale digital data for quantifying hyper-local urban greenspace and air pollution to study environmental associations and inform sustainable cities - Maria Eduarda Da Silva Sabedotti Air pollution, gut microbiota, and cognitive function alteration in older adults - Wenhao Qi Disparities in exposure to PM2.5 according to MPI gradient by blocks in the city of Medellín (Colombia), 2019 - Juan Gabriel Pineros Jimenez Impact of a liquefied petroleum gas stove and fuel intervention on glycated hemoglobin in the HAPIN trial - Lindsay J. Underhill</p>
12:45	14:15	LUNCH BREAK / TOWN HALL
14:15	15:45	<p>Symposium 22 Challenges & Opportunities in Environmental Mixture Analyses: "Omics", Causal Inference, and Pooled Analyses</p> <p>Chairs: Caitlin Howe & Megan Romano</p> <p>Data integration of multiple studies and environmental exposure mixture analyses - Elena Colicino Challenges in implementation of BKMR and other mixtures methods - Birgit Claus Henn Application of Quantile G-Computation to Epigenome-Wide Association Studies - Dennis Khodasevich Trying to See the Forests through the Trees: Causal Forests to Improve Inference from Multipollutant Models - Roel Vermeulen Application of Pattern Recognition and Mixture Methods in Exposome Profiling of Seminal Plasma and Associations with Semen Parameters - Haotian Wu</p>
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL A
16:15	17:45	<p>Symposium 24 Environmental health community case studies: Linking storytelling and qualitative research to environmental epidemiology</p> <p>Chairs: Michelle Burbage & Elizabeth Hom Thepaksorn</p> <p>Sowing Seeds of Wellness: Stories from the Schoolyard on Community-Engaged Environmental Health - Ali Hussaini Exploring the unexpressed local voice on saltwater intrusion and its health consequences in the coastal areas of Bangladesh - Atiqul Haque Symbio-allies: Working with Indigenous communities for relevant and impactful research - Lucy Grey Balancing the environment and community concerns: improving environmental health at national park in Satun, Thailand - Phayong Thepaksorn</p>
17:45	18:00	ISEE 2025
18:00	18:30	SNRN AWARDS and CLOSING CEREMONY



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL B
08:00	08:15	AWARD CEREMONY
08:15	09:00	Keynote Lecture 4 Chairs: Pau Chung Chen Climate change and challenges for sustainable development - Stella Hartinger
09:00	09:45	Keynote Lecture 5 Chairs: Zorana Jovanovic Andersen Urban health in Latin America and the Caribbean - Ana Diez Roux
09:45	10:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:15	11:45	Symposium 20 Emerging experiences and benefits of Health Impact Assessment using AirQ+ in Latin America and the Caribbean: the inception of a regional collaborative network Chairs: Karla Cervantes-Martínez & Horacio Riojas-Rodríguez The emerging regional collaborative network on AirQ+ - Juan José Castillo-Lugo Evolution of health impact assessment experiences in Bogotá, Colombia - Alejandro Peralta First health impact assessment of air pollution in San Jose, Costa Rica - José Felix Rojas-Marín Health impact assessment in Mexico: AirQ+, other tools and methodological implications - José Luis Texcalac-Sangrador



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL B
11:45	12:45	<p>Pecha Kucha Session 15 Intersection of Environmental Factors and Public Health</p> <p>Chairs: Rajendra P Parajuli & Zachary McCann</p> <p>Environmental Quality of Life (EQoL) Survey to Assess Climate Risk Perceptions in Urban Underserved Communities - Lori A Hoepner Air pollution and Cardiovascular Disease-Related Mortality in a Pooled Analysis of 6 U.S. Cohorts - Sabah M. Quraishi COVID-19 incidence and mortality in Chile: Socio-environmental indicators as measurement of health environmental justice - Sara E. Acevedo Extreme temperatures, air pollution and mental health: a critical review from an environmental justice perspective - Paula de Prado-Bert Mortality and hospitalization in Italian contaminated sites with petrochemical and steel plants: a meta-regression analysis - Fabrizio Minichilli Queering Environmental Justice: Unequal Environmental Health Burden on the LGBTQIA+ Community - Leo Maria Goldsmith Seasonal variation in indoor NO2 in urban residences in Mumbai and examining its determinants - Prince Vijay Family doctors play a crucial role in a comprehensive healthcare surveillance system. - Paolo Lauriola Extreme Heat and Suicide Watch Incidents Among Incarcerated Men - David H Cloud</p>
12:25	14:15	TOWN HALL
12:45	14:15	LUNCH BREAK
14:15	15:45	<p>Symposium 23 Climate Change and Mental Health: From Local to Global</p> <p>Chairs: Kate Burrows & Amruta Nori-Sarma</p> <p>Association between mental health disorders and extreme heat among Medicaid adolescents - Antonella Zanobetti Temperature And Mental health in Understudied Populations in Boston - Flannery Black-Ingersoll Adverse weather amplifies social media activity and worsens online sentiment: Evidence from over 10 billion social media posts - Kelton Minor Tropical cyclones and mental health-related mortality in the U.S. - Raenita Spriggs Mental Health Impacts of Oil and Gas Development - Mary Willis</p>
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL B
16:15	17:45	<p>Symposium 25 New Cohorts for Environmental Exposure and Cancer Risk among Environmental Justice and High-Risk Communities in the United States</p> <p>Chairs: Kristen Malecki & Wei Zheng</p> <p>The impact of urbanicity on environmental exposures of concern in Minnesota (10,000 Families) - Heather Nelson</p> <p>Improving understanding and early detection of environmental exposures on the development of liver disease and liver cancer: The Southern Liver Health Study (STRIVE) - Cynthia Moylan</p> <p>MI-CARES: Recruiting from Michigan’s Environmental In-Justice Hotspots – methods, rationale and preliminary findings (MI-CARES) - Leigh Pearce</p> <p>Searching the exposome to identify environmental chemical exposures for cancer risk in humans: the Southern Environmental Health Study - Wei Zheng</p> <p>The association between toxic metal exposure, race, gender, and liver enzymes in individuals with nonalcoholic fatty liver disease- Nikia Smith</p>
17:45	18:00	ISEE 2025
18:00	18:30	SNRN AWARDS and CLOSING CEREMONY



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL C
08:00	08:15	AWARD CEREMONY
08:15	09:00	<p>Keynote Lecture 4 Chairs: Pau Chung Chen Climate change and challenges for sustainable development - Stella Hartinger</p>
09:00	09:45	<p>Keynote Lecture 5 Chairs: Zorana Jovanovic Andersen Urban health in Latin America and the Caribbean - Ana Diez Roux</p>
09:45	10:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
10:15	11:45	<p>Symposium 21 Intervention studies for metal exposure reduction and mitigation Chairs: Bonnie Joubert & Ana Navas-Acien</p> <p>B vitamins for arsenic methylation in children and adults in Bangladesh - Irene Martinez-Morata Zinc supplementation for metal detoxification in Navajo Communities - Laurie Hudson Trial to Assess Chelation Therapy 2 (TACT2) and metal body burden - Ana Navas-Acien; Bonnie Joubert Metal exposure, the Arica case in Chile, and measures considered to reduce population exposure - Veronica Iglesias Metals, micronutrients, and a Mediterranean diet: Potential metabolomic and epigenomic pathways in the Boston Birth Cohort - Xiaobin Wang</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL C
11:45	12:45	<p>Pecha Kucha Session 16 Environmental Exposures and Health Outcomes</p> <p>Chairs: Diana Varaden & Mary Willis</p> <p>Exposure to Medical Radiation from CT Scans and Other Imaging Procedures in Relation to Increased Risk of Early-Onset Colorectal Cancer - De Kun Li A latent class analysis of NHANES reveals youth subgroups with different lifestyle, health, and sociodemographic characteristics and prediabetes/diabetes risk - Bian Liu Levels of particles radioactivity during desert dust events in the Eastern Mediterranean region: the case of Cyprus - Souzana Achilleos Supplemental Biomonitoring Study of Exposure During Activities Conducted on Synthetic Turf Fields with Tire Crumb Rubber Infill - Teresa Wang Long-term mercury exposure and visual field constriction in Grassy Narrows First Nation - Aline Philibert Should Pancreatic Cancer Be Recognized as Linked with Vietnam Military Service? - David F Goldsmith Changes in gene expression depending on diabetes mellitus and night shift work - Eunsoo Lee Mortality from malignant mesothelioma in Italy. A birth-cohort analysis on the effect of the 1992 asbestos ban - Lucia Fazzo Association Between Preventive Behavior for Infectious Diseases and Social Determinants of Health in a multiethnic community of Bangladesh - Khandakar Fatema</p>
12:45	14:15	LUNCH BREAK / TOWN HALL
14:15	15:45	<p>Traditional Oral Session 26 Climate Justice and Health: Addressing Vulnerabilities and Disparities</p> <p>Chairs: TBA</p> <p>Weather-related inaccessibility of trails used by Inuit subsistence harvesters does not significantly influence retail food sales in Nunavut, Canada - Sappho Zoe Gilbert Long-term health consequences of multiple exposures to climate-related disasters - Ang Li Toxic Tides: Environmental Justice Implications of Sea Level Rise and Flooding of Hazardous Sites in the United States - Lara Cushing Setting a Course Towards Climate Justice for Alaska Native Communities: The Alaska Alliance for Community Engagement - Climate and Health - Stacy Rasmus Disparities of heat wave-related preterm birth in climate types – China, 2012-2019 - Yafei Guo Mass Incarceration as an Environmental Justice Issue in the United States - Katherine Lemasters</p>
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	SAN CRISTOBAL C
16:15	17:45	<p>Traditional Oral Session 30 Urban Environments and Health: Exploring Safety, Green Spaces, and Socioeconomic Disparities</p> <p>Chairs: Daniel Carrión & Tara E. Jenson</p> <p>An evaluation of the 3-30-300 concept for urban green planning in relation to socioeconomic disparities in Flanders, Belgium - Melissa Kelley Lee Assessing Community Vulnerability to Neurological Diseases: A National Study of Source-Specific Noise and Air Pollution Exposures near the US Airports - Meng Wang Street-View Greenness in Residential Environments: Exploring Equity in Distribution of Natural Spaces in the Multi-Ethnic Study of Atherosclerosis - Tara E. Jenson Neighborhood disadvantage and breast cancer incidence among women living in the United States - Jennifer Woo Community severance and road safety in New York City - Jaime Benavides</p>
17:45	18:00	ISEE 2025
18:00	18:30	SNRN AWARDS and CLOSING CEREMONY



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VALDIVIA A
10:15	11:45	<p>Traditional Oral Session 22 Extreme temperatures and health</p> <p>Chairs: Laura Andrea Rodriguez Villamizar & Luciana Rojas Granda</p> <p>Climate trends and andean perceptions of climate change and its potential role in food security, San Marcos, Cajamarca - Luciana Rojas Granda Assessing the effects of the heat health warning system on mortality in 15 German cities: A difference-in-differences approach - Alexandra Schneider The effect of non-optimal ambient temperature on daily mortality in Colombia 2010-2019 - Laura Andrea Rodriguez Villamizar Characterizing Vulnerability for the Future Heat-Related Cardiovascular Morbidity Burden in U.S. Metropolitan Areas - Wei-Lun Tsai Temperature-related mortality in nine Latin American countries under climate change and population scenarios - Josiah L Kephart</p>
11:45	12:45	<p>Pecha Kucha Session 17 Environmental Exposure and Neurological Health Outcomes</p> <p>Chairs: Tara Jenson & Xu Gao</p> <p>Environmental Exposures Continue to be a Possible Etiological Factor in the Development Amyotrophic Lateral Sclerosis (ALS) - Khandakar Fatema Mental illness and household solid fuel use in women of childbearing age - Kate Abuaa Kyeremateng The interactive effect of temperature with humidity, and air pollution on depression in elderly women: a cross-sectional study from Germany - Tamara Schikowski Short-term Associations of Ambient Fine Particulate Matter on Mental Distress and Depression in Women of Southeastern Louisiana - Peter Edwards Early life critical windows of metal exposure associated with amygdala volume in young adolescents - Elza Rechtman Environmental Risk Factors for Schizophrenia and Bipolar Disorder Over the Life Course: A Swedish Nested Case-Control Study - Natassia Robinson Determination of Depression and Related Factors Among People Living in a Craft Village, Northern Vietnam - Hien Thi Thu Ngo The contribution of multiple short-term environmental exposures to the risk of suicide - Amanda V Bakian Environmental Determinants of Anxiety and Depression Amidst the COVID-19 Pandemic: A cohort study in Catalonia - Gemma Castaño Vinyals Consistency in metal dynamics during pregnancy predicts depression risk in late childhood - Vishal Midya Neuropsychomotor Development of children from 0 to 6 years old, after an environmental disaster. Brumadinho/MG, Brazil. - Michele Alves Costa</p>
12:45	14:15	LUNCH BREAK / TOWN HALL



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VALDIVIA A
14:15	15:45	<p>Traditional Oral Session 27 Assessment and analysis of effects of Internal exposome</p> <p>Chairs: Sung Kyun Park, TBA</p> <p>Relationships between the external exposome and proteome linked to mental health risk in adolescents - Zhiyang Wang Disentangling Environmental Influences on Aging: A Comprehensive Analysis of Phenotypic Age Acceleration and Urban Exposures - Pablo Knobel Circulating small molecules are associated with exposure to uranium and radon in people living near a former uranium processing site - Hui-Chen Wu An Environment-Wide Interaction Study to identify hidden environmental factors affecting susceptible populations: Application to chemical-social vulnerability interactions on cognitive function - Sung Kyun Park</p>
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:15	17:45	<p>Traditional Oral Session 31 Temperature variations and health effects</p> <p>Chairs: Jennifer L. Ish & Malebo Makunyane</p> <p>Seasonal temperature variability and hospital admission from infections among elderly in the US - Yijing Feng Heat exposure and breast cancer risk in the Sister Study - Jennifer L. Ish Extreme temperatures and mortality risk in urban and rural areas of Mexico: are associations sensitive to epidemiologic study design? - Ivan Gutierrez Avila Individual patient characteristics that heighten risk of Acute Kidney Injury during hot weather: evidence using a novel automated electronic-alerts system. - Shakoor Hajat</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VALDIVIA B
10:15	11:45	<p>Traditional Oral Session 23 Air Pollution and Health Implications</p> <p>Chairs: Jaime Hart & Sandra India Aldana</p> <p>Reductions in PM2.5 exposure and mortality risk following household cooking fuel interventions in Kenyan cities using a ‘synthetic population’ model - James Milner Prenatal greenness, air pollution, and birthweight: assessing critical windows of exposure and effect modification in a multi-exposure setting - Melissa R Fiffer Residential relocation and mental health. Are changes in greenness and air pollution contributing to recovery from common mental disorders? - Mikel Subiza Pérez The association between urban environment and drug poisoning deaths in Hong Kong - Hung Chak Ho The Childhood and Environmental Pollutants Project (PIPA’s Project) in Brazil. - Carmen Fróes Asmus</p>
11:45	12:45	<p>Pecha Kucha Session 18 From exposure to impact: health consequences of air pollution</p> <p>Chairs: Rodrigo Ugalde-Resano & TBA</p> <p>Association of maternal air pollution exposure and infant lung function is modified by genetic propensity to oxidative stress - Dwan Vilcins Spatial and Temporal Trends in PM2.5 Concentrations in Guatemala Between 1998-2021 - Eri Saikawa Association of microscale ultrafine particle (UFP) exposure with mortality in a cohort of older Puerto Rican adults - Doug Brugge Interactive effects of long-term exposure to PM10, NO2 and O3 on SARS-CoV-2 infection and severity: a population-based cohort study - Giovanni Veronesi Linkages between ambient PM2.5 and cardiovascular mortality in a large urban cohort in two Indian cities - Siddhartha Mandal Crossover Randomized Controlled Trial of a HEPA Filter Air Cleaner Intervention in Elementary School Classrooms in Los Angeles California - Veronica M Vieira Sex specific associations between gestational exposure to air pollutants and autistic traits in Canadian children: sensitive periods of susceptibility - Nasser Laouali The effect of low-level air pollution exposure on weight at birth - Isabell Katharina Rumrich Household Air Pollution and Postpartum Blood Pressure in the Ghana Randomized Air Pollution and Health Study - Seyram Kaali 5+ years trend in fine particulate matter (PM2.5) and black carbon (BC) pollution in Accra, Ghana - Barbara E Mottey</p>
12:45	14:15	LUNCH BREAK / TOWN HALL



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VALDIVIA B
14:15	15:45	<p>Traditional Oral Session 28 Understanding the complexities of environmental exposures: implications for health and justice</p> <p>Chairs: Berna Van Wendel & Hien Thi Thu Ngo</p> <p>Gestational environmental chemical mixtures, folate, and child autistic behaviors in a Canadian pregnancy and birth cohort - Joshua D. Alampi Blood Metal Mixture Effects on All-Cause Mortality in American Indian Populations, Strong Heart Study - Zheng Li Confounding or bias amplification? Clues for the researcher seeking causal inference - Michael Leung Prenatal dietary exposure to mixtures of chemicals and allergic or respiratory diseases up to 5 years - Manel Ghoza The Joint Effects of Prenatal Pesticide Exposure and Psychosocial Stressors on Child Psychopathology in a South African Birth Cohort - Sarina Abrishamcar Single index models for mixtures epidemiology: insights from toxicology - Thomas F Webster</p>
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:15	17:45	<p>Traditional Oral Session 32 Metal exposure and health outcomes</p> <p>Chairs: Miranda Jones & Verónica Iglesias</p> <p>Urinary Metals and Incident Heart Failure: A Multi-Cohort Study and Meta-Analysis - Irene Martinez Morata Metals in street dusts near industrial areas: the Quintero-Puchuncaví-Concón case, Chile - Alejandra Soledad Vega Community-level and race/ethnic differences in metal exposure in the Multi-Ethnic Study of Atherosclerosis (MESA) - Marisa H Sobel Prenatal lead exposure and newborn's hearing in a Birth Cohort in Rio de Janeiro - Anna Carolina Nascimento Waack Braga Villar Evaluation of Mercury Exposure in Two Artisanal and Small-Scale Gold Mining Communities in Peru - Johny Ponce Canchihumán Sentinel Surveillance for exposure to mercury and lead in children, Bogota, Colombia - Cesar Alejandro Geney</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VALDIVIA C
10:15	11:45	<p>Traditional Oral Session 24 Casual inference in environmental epidemiology</p> <p>Chairs: Francesco Sera & Stephanie Grady</p> <p>Robustness of effect modification estimates from two-stage multi-location designs to unmeasured covariates: A simulation study - Jaime Daniel Reyes Sánchez A potential outcomes approach to investigate the short-term casual effect of environmental stressors on health outcomes. A Multi-Country Multy-City study - Francesco Sera Data-driven causal structure discovery for agnostic analyses: current state and implications for exposome studies - Salome Kakhaia Post-Causal-Discovery Modeling Enhancing Short-term Air Pollution Epidemiology: a simulation study - Pei Zhang Air pollution exposure measurement error and its impact on morbidity effect estimates: the MELONS study - Dylan Wood A causal concentration-response curve Adjusted for Exposure Error between PM2.5 and Mortality using B splines - Joel David Schwartz</p>
11:45	12:45	<p>SNRN Session 2 Beyond Academia: Fulfilling and exciting non-academic careers</p> <p>Moderator: Rachel Shaffer</p> <p>Panelists: Suril Mehta, Pallavi Pant, Johny Ponce Canchihumán</p>
12:45	14:15	<p>LUNCH BREAK / TOWN HALL</p>
14:15	15:45	<p>Traditional Oral Session 29 Health impact of per- and polyfluoroalkyl substances (PFAS) exposure across the lifespan</p> <p>Chairs: Rena Jones & Katlyn E Mcgraw</p> <p>Household income modifies associations between prenatal PFAS exposure and sleep problems in early childhood - Sarah Dee Geiger Coupling observational study with computational toxicology to elucidate the relationships and potential mechanisms of per- and polyfluoroalkyl substances and sleep - Shiwen Li Cord blood metabolic signatures of {in utero} per- and polyfluoroalkyl substance exposure: a multicohort ECHO study - Sarah Rock Associations of serum per- and polyfluoroalkyl substances with liver biomarkers and urinary creatinine in Ecuadorian adolescents: the ESPINA study - Danilo Edison Martinez Associations of Per- and Polyfluoroalkyl Substances in Pregnancy and Midlife with Midlife Glycemic Outcomes in Project Viva - Katlyn E Mcgraw</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VALDIVIA C
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:15	17:45	<p>Traditional Oral Session 33 Assessment and analysis of effects of external exposome</p> <p>Chairs: Diana Marcela Marin Pineda & Samuel Fuhrmann</p> <p>Association of social and environmental exposures at the neighborhood level with child brain volume and persistent distressing psychotic-like experiences - Lina Valentina Dimitrov Independent and joint-effects of multiple environmental exposures on all-cause mortality:an analysis of European administrative and traditional cohorts in EXPANSE-project - Evangelia Samoli The influence of early-life exposome on children’s respiratory health in a Latin American country: a request for interregional exposome studies - Diana Marcela Marin Pineda Impact of Prenatal Environmental Exposures on Maternal and Child Thyroid Function - Carrie V Breton Early life environmental exposure and childhood morbidity in Southern Mozambique: An exposome approach - Stefan Sieber Assessing the pesticide exposome in low- and middle-income countries: the Global Pesticide Research Network (PestRes) - Samuel Fuhrmann</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	QUIXOTE
10:15	11:45	<p>Traditional Oral Session 25 Socioeconomic Influences and Emergency Responses in Maternal Health</p> <p>Chairs: Ahmed Al-Delaimy & Tanya Singh</p> <p>Association between exposure to fine particle matter and congenital abnormalities in Colombia: An ecological analysis (2016-2020) - Victor M Herrera Challenges and Protective Aspects Related to Maternal Health during Emergencies in Puerto Rico - Carmen M Velez Vega Birth Experiences and Mental Health in Puerto Rico Following COVID-19: Qualitative Results - Irene Lafarga Previdi The Influence of Neighborhood Displacement and Gentrification on Adverse Birth Outcomes in California - Xing Gao Maternal Residential Mobility Between Pregnancies: A California Statewide Sibling Study - Zeyan Liew Neighborhood environment and cardiometabolic health in pregnancy - Teresa Janevic</p>
11:45	12:45	<p>Flash Oral Session 29 Environmental factors and neurocognition</p> <p>Chairs: Léa Maitre, TBA</p> <p>Maternal prenatal urinary fluoride levels and internalizing and externalizing problems in 8- and 11-year-old children - Jesus Ibarluzea Eye-tracking as an objective phenotyping tool to identify associations between metal exposure and social cognition: A pilot study - Anna Ruth Sather Integrated Insights into Neurodevelopmental Effects of Trimethylamine N-Oxide (TMAO) and Trimethylamine (TMA): A Multi-Cohort Study Combining Epidemiology and Toxicology - Léa Maitre Fine outdoor particulate matter and behavioral problems in school-age children in Accra, Ghana - Youssef Oulhote Mercury exposure and risk of developmental delay in the CoNaMad birth cohort follow-up at five years, Madre de Dios, Peru - Beth Jamie Feingold</p>
12:45	14:15	LUNCH BREAK / TOWN HALL



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	QUIXOTE
14:15	15:45	<p>Flash Oral Session 31 Respiratory health and environmental exposures II</p> <p>Chairs: Jiawei Zhang & Maria José Rosa</p> <p>Associations between prenatal metal and metalloid mixtures in teeth and reductions in childhood lung function - Maria José Rosa Evaluating the impact of particulate matter pollution exposure on respiratory health among children in six Sub-Saharan African cities - Dimitris Evangelopoulos Early life liquefied petroleum gas intervention and pulmonary function in Guatemalan children from the Household Air Pollution Intervention Network trial - Laura M. Grajeda Association between prenatal and childhood exposure to particulate matter and asthmatic symptoms in the children of the Cyprus MEDEA Cohort - Nicole Alkhoury Estimating the impact of pollen and air pollution mixtures on respiratory morbidity in Atlanta, GA during 2005-2018 - Brooke Lappe Air Pollution and Post-acute Sequelae of COVID-19 in Southern California - Michael Jerrett Dietary patterns are associated with allergic sensitization at school age: the PARIS birth cohort - Hélène Amazouz Dust Storms and Respiratory Symptoms in a Rural Children’s Cohort near a Drying Saline Lake - Jill E Johnston Infant Sex Modifies the Effect of Indoor Air Pollution on Age of ALRI Onset among Infants in Rural Bangladesh - Talat Islam</p>
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:15	17:45	<p>Flash Oral Session 33 Environmental health frontiers: addressing emerging challenges in air pollution</p> <p>Chairs: Samuel Osorio & TBA</p> <p>Association between long-term air pollution exposure and risk of autoimmune diseases in South Korea - Jiwon Choi Gut microbiota partially mediates the effects of fine particulate matter on blood lipids metabolism - Jiaonan Wang Epigenome-wide association study of household air pollution exposure in an area with high lung cancer incidence. - Mohammad L. Rahman Ascertaining neighbourhood variation in PM2.5, representative of wood heater emissions, in Sydney, Australia: a case study - Christine T. Cowie DNA methylation as a potential mediator between ambient PM2.5 exposure and myocardial infarction in Indian population - Gagandeep Kaur Walia Epigenome-wide association study of ambient air pollution in a racially and ethnically diverse population of smokers: The Multiethnic Cohort Study - Brian Z Huang A novel air monitoring approach to support healthier active transport for schoolchildren - Amanda Jane Wheeler Does ambient Particulate Matter 1 Increase the Risk of Gastric Cancer? Empirical research in a high-risk, arid region in China - Yumin Li</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	DIRECTORIO E
10:15	11:45	<p>Flash Oral Session 28 Environmental health: epigenetics and metabolism</p> <p>Chairs: Allison Kupsco & Ziyin Tang</p> <p>A Systematic Review into the Association Between Adverse Childhood Experiences and Epigenetic Age Acceleration in Later Adult Life - Azam Saied Persistent Associations of Prenatal Phenol and Phthalate Exposure with DNA Methylation in Childhood - Dennis Khodasevich Behavioral and environmental predictors of a saliva-based epigenetic inflammation index and its association with allostatic load - Andrey I Egorov Childhood early life environment associated with GrimAge DNA methylation acceleration in the Health and Retirement Study - Nita M Kanney Placental metabolomic profiles are altered in association with gestational air pollution exposure and childhood brain dopamine function - Maya A. Deysenroth Alcohol consumption and DNA methylation: a case-cohort study within the E3N French cohort - Dzevka Dragic The association between maternal arsenic exposure/methylation and Gestational Diabetes Mellitus influenced through one-carbon metabolites - Ahlam Abuawad Perfluoroalkyl Substances and Risk of Early Diabetic Kidney Disease in Youth with Type 2 Diabetes: A Prospective Study - Jesse A. Goodrich Metabolomics Signatures of Exposure to Ambient Air Pollution: A Large-Scale Metabolome-Wide Association Study in the Cancer Prevention Study-II Nutrition Cohort - Ziyin Tang</p>
11:45	12:45	<p>Flash Oral Session 30 Environmental exposures and health outcomes II</p> <p>Chairs: Peng Gao & Gina Alejandra Castiblanco Rubio</p> <p>Thoracic aortic diameter and heart valves performance in children environmentally exposed to fluoride in Chihuahua México - Citlalli Osorio Yáñez Patterns of Pediatric Chronic Health Outcomes in the United States: The Environmental Influences on Child Health Outcomes (ECHO) Program - Christine Loftus School quality as a community-level asset buffering associations between air pollution and pediatric health - Lisa Frueh Hot-Dusty Days and Acute Diabetic Hospitalization in Kuwait's Harsh Summers - Barrak Alahmad Prenatal exposure to inorganic arsenic and body mass index: a retrospective cohort study in children from Arica, Chile - María Pía Muñoz Association Between Environmental Fluoride Exposure and Bone Speed of Sound (SOS) at One Year Postpartum - Gina Alejandra Castiblanco Rubio</p>
12:45	14:15	LUNCH BREAK / TOWN HALL



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	DIRECTORIO E
14:15	15:45	<p>Flash Oral Session 32 Urban Infrastructure and Health</p> <p>Chairs: Kelvin Fong & Sasha Khomenko</p> <p>Green inequality in Estonian cities – what does it mean in health and external costs perspectives - Hans Orru Indoor and outdoor artificial light at night (ALAN) and cancer risk: A systematic review and meta-analysis - Kurt Straif The impact of urban configuration types on urban heat islands, air pollution, CO2 emissions and mortality in Europe - Sasha Khomenko Association of urban infrastructure and physical activity in Santiago and its modifications by neighborhood and municipality level socio-economic characteristics (SES). - Marianela Castillo Riquelme The natural experiment of daylight saving time (DST) and acute myocardial infarction (AMI): A meta-analysis of studies in ten countries - Philip Lewis Exploring the association between school greenness and academic performance across diverse ecological regions - Raquel B Jimenez Leveraging Emerging Technologies for Sustainable & Healthy Cities of the Future - Marguerite Nyhan Association of Green Stormwater Infrastructure Installations in Philadelphia with Resident Perceptions of the Neighborhood Social Environment - Amber Palmer</p>
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING
16:15	17:45	<p>Flash Oral Session 34 Perspectives on environmental policy and public health</p> <p>Chairs: Ruth Etzel & TBA</p> <p>Racial differences in clinical characteristics of US patients enrolled in the National Amyotrophic Lateral Sclerosis (ALS) Registry - Paul Mehta Heat's Death Toll: A Comparative Assessment of Mortality Burden Associated with Heat Exposure Using Varied Data Sources, Methods, and Perspectives - Ambarish Vaidyanathan Recognizing Priority Areas for Urban Green Interventions: A Multi-Criteria Decision Analysis for Health Promotion and Environmental Justice - Evelise Pereira Barboza Design and Outcomes of Training Programs that Support the Next Generation of Environmental Health Scientists in Latin America - Luz Claudio A High-Resolution, Large-Scale Agent-Based Transport Model for Health Outcomes Evaluation from Policy Changes - Haitam Laarabi How influential are environmental hazard assessments on policy decision-making? An impact analysis approach and recommendations for environmental public health - Suril S. Mehta A perspective from U.S. Environmental Protection Agency (EPA) scientists: how your epidemiologic analyses can inform human health risk assessment - Rachel M. Shaffer Quantitative Bias Analysis: a next step in risk of bias determinations? - David J. Miller Risk of Bias in Air Pollution Epidemiology - Saumitra Rege</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VIRTUAL PLATFORM
10:15	11:45	<p>Virtual Session Europe/Africa 3: Epigenetics and environmental health</p> <p>Chairs: TBA</p> <p>A Comprehensive Physiology-based Toxicokinetic Model for Predicting Xenobiotics' Concentrations in the Central Nervous System - Achilleas Karakoltzidis Mediating effects of placental DNA methylation in the association between prenatal air pollution exposure and child lung function - Lucile Broséus A Read-Across Strategy for Assessing Blood-Brain Barrier Permeability - Achilleas Karakoltzidis Navigating Biological Systems With PBPK, Text Mining And AI: in silico NAMs for the development of Reliable and Robust QAOPs - Achilleas Karakoltzidis Mediating effect of physical activity on the association between surrounding greenness and mental health: Findings from the French CONSTANCES cohort - Zeinab Bitar Does placental DNA methylation mediate the association of prenatal exposure to air pollutants with child cognition? - Ariane Guilbert Epigenetic footprint of maternal tobacco smoking: replication of differentially methylated CpGs and regions in placenta - Chloé Masdoumier Prenatal exposure to persistent organic pollutants and its impact on the ovarian reserve at 12 years old - Maximilien Génard Walton</p>
14:15	15:45	<p>Virtual Session North & Latin America 5: Methods and models in environmental health research</p> <p>Chairs: Jonathan Chevrier, TBA</p> <p>Exposure measurement error in air pollution health effect studies: A pooled analysis of personal exposure validation studies across the US - Boya Zhang Health impacts of wildfire smoke in California: Creating vulnerability profiles using machine learning methods in high-dimensional settings - Noemie Letellier Neighborhood Temperature and Contextual Factors Improves Prediction of Childhood Obesity: An Application of Novel Graph Neural Networks - Keyu Li A review of spatial-temporal data sources for estimating population-level exposures to oil and gas development in the United States - Erin J Campbell Spatial analysis of the concentrations of criteria air pollutants in Bogotá's Sunday ciclovias - Luis Camilo Blanco Becerra Systems for rating bodies of evidence used in systematic reviews of air pollution exposure and reproductive/ children's health: Methodological survey - Sophie K F Michel A latent spatial class model for predicting a (semi-)metals mixture in private wells - Maria E Kamenetsky</p>



DAILY PROGRAM

DAY 3 AUGUST 28, 2024 - WEDNESDAY

START	END	VIRTUAL PLATFORM
16:15	17:45	<p>Virtual Session North & Latin America 6: Environmental stressors and health outcomes</p> <p>Chairs: Seulkee Heo, TBA</p> <p>Present and Future Associations Between Precipitation, Temperature, and Malaria Prevalence in Mali - Niklas Joseph Terrence Hayden Differential influence of sunscreens due to occlusive ingredients on local sweating rate between men and women - Julián Camilo Garzón Mosquera Chronic stress exposure and its association with metabolic syndrome components in women of the PROGRESS cohort. - Teresa Concepcion Garcia Aguilar Air pollution mixture associated with oxidative stress exacerbation and symptoms deterioration in allergic rhinitis patients: evidence from a panel study - Jinhui Li Associations among Clustered Energy Infrastructure and Adult Asthma Prevalence in the United States: A Nationwide Application of the [EI]3 Database - Fintan Mooney Comparison of associations between air pollution and cardiovascular mortality risks by exposure method in Rio de Janeiro, Brazil - Seulkee Heo Evaluating air pollution exposure levels for people living with HIV in the United States - Carolyn A. Fahey Factors associated with low handgrip strength in people with hypertension registered in family health strategy units Rio Branco, Acre, Brazil - Thatiana Lameira Maciel Amaral</p>



SOCIAL PROGRAM

We are excited to welcome you to Santiago for ISEE 2024! In addition to a stimulating scientific program, our 36th Annual Conference will also host a variety of social events. Please see below for details.

New Members Networking Event

Date : Sunday, August 25, 2024

Time : 18:30 – 19:15

Location : Sheraton Santiago Hotel Conference Center foyers

Notice : Please proceed to the Registration Desk located at the lobby level to collect your name badge before heading to the event.

Welcome Reception

Date : Sunday, August 25, 2024

Time : 19:15 – 20:15

Location : Sheraton Santiago Hotel Conference Center foyers

Notice : Please proceed to the Registration Desk located at the lobby level to collect your name badge before heading to the Welcome Reception.

Women's Networking and Social Event

Date : Monday, August 26, 2024

Time : 19:15 – 20:00

Location : Sheraton Santiago Hotel Conference Center foyer

Notice : This networking event will serve as a space for women researchers to talk and interact with women colleagues.

Student and New Researcher Network (SNRN) Event

Date : Monday, August 26, 2024

Time : 20:30 – 23:45

Location : Quercus Bar

Address : Sta. Magdalena 61, local 6, 7510038 Providencia, Región Metropolitana

Meeting Point : The bar is a 20-minute walking distance from the Sheraton Santiago Hotel and Convention Center.

Point : Feel free to meet us at the bar directly or walk together from the conference hotel. We will meet in the Sheraton Hotel lobby at 20:00.

Notice : Exclusive event for ISEE Student and New Researcher Network (SNRN) members. A SNRN member is a paid ISEE member who is either a student, postdoctoral trainee, or new researcher / early career researcher (with less than 5 years of experience from their terminal degree). Registration is free but mandatory to take part in the event.

Conference Dinner

Date : Tuesday, August 27, 2024

Time : 20:00 – 00:00

Location : Alto San Francisco

Address : San Francisco 75, Santiago, Región Metropolitana



ISEE 2024 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.

Barrett M. Welch

“Racial and ethnic disparities in phthalate exposure and preterm birth: A pooled study of 16 US cohorts,” *Environmental Health Perspectives*

Rebecca James Baker Award 2024 Recipient



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.

Matthew Shupler

Tony McMichael Mid-Term Career Award 2024 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.

Tanya Alderete



ISEE 2024 AWARDS

ISEE Fellows 2024 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.



Pau-Chung Chen



Haidong Kan



Marcela Tamayo-Ortiz

LMIC Best Abstract Award



Jyothi S Menon, “Chemical characterization and source identification of indoor PM2.5 in urban and rural households in India”, Asia & Western Pacific Chapter



Nataly Damasceno De Figueiredo, “Early life metal mixture exposure and birth outcomes – PIPA Project – Brazil”, Latin America & the Caribbean Chapter

John Goldsmith Award for Outstanding Contributions to Environmental Epidemiology 2024 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.

Beate Ritz



POSTER PRESENTATIONS

ORAL DISCUSSION POSTERS

August 26, 2024 - MONDAY

Poster Number	Title	Presenter	Topic
OP-001	Associations between wildfire smoke PM2.5 concentrations and acute cardiorespiratory visits in Reno, Nevada, USA	Calvin S Riss	Air pollution
OP-002	Variations in levels of Black Carbon particulate matter by walkways and time of day in New York City	Jania Zenon	Air pollution
OP-003	PM2.5 exposure exacerbates allergic rhinitis through brain-splenic axis stimulated by TRPV1 in trigeminal nerve in Balb/c Mice	Jinzhuo Zhao	Air pollution
OP-004	Health Impact Assessment of long-term exposure to PM2.5, PM10, O3 and no2 in the central part of Mexico ("Megalópolis").	José Luis Texcalac Sangrador	Air pollution
OP-005	Household air pollution and telomere length among women in Guatemala and Peru: the Household Air Pollution Intervention Network (HAPIN) trial	Kaytlyn Salmons	Air pollution
OP-006	Long-term effects of air pollution on health in the five largest cities in Colombia	Laura Andrea Rodriguez Villamizar	Air pollution
OP-007	Life course air pollution exposure and later-life risk of all-cause and cardiovascular specific mortality in the Lothian Birth Cohort 1936	Otto Emil Ilmari Jutila	Air pollution
OP-008	Exposure to polycyclic aromatic hydrocarbons during pregnancy and subsequent biomarkers of chronic disease risk in adolescent girls and their mothers	Rebecca D Kehm	Air pollution
OP-009	Health burden and inequities of urban environmental stressors in Sofia, Bulgaria	Sasha Khomenko	Air pollution
OP-010	Risk of Cardiocerebrovascular diseases due to cumulative ozone exposure	So Yeon Kim	Air pollution
OP-011	Association between fine particulate matter (PM2.5) and infant mortality in a North Carolina, USA, Birth Cohort (2003-2015)	Sonya M Jampel	Air pollution
OP-012	Long-term exposure to ambient air pollution and epigenetic age acceleration in children	Wenli Ni	Air pollution
OP-013	Distribution Characteristics of the Number and Mass Concentrations of Respiratory Fine Particles in the Areas Around Coal-fired Power Plants	Yongsik Hwang	Air pollution
OP-014	Urban transportation infrastructure and environmental inequality: Exploring new methods in the study of segregation and environmental health	Audrey Amezcua Smith	Built environment
OP-015	Lessons learnt from the initial phase of the UBD Policy project	Tamara lungman	Built environment
OP-016	Space and space-time cluster at high risk of lung cancer mortality in the south-central macrozone, Chile (1990-2019)	Carlos Flores Angulo	Cancer and cancer-precursors



POSTER PRESENTATIONS

OP-017	Influence of an urban waste treatment plant in general population's PCDDs, PCDFs and dl-PCBs serum levels in Basque Country (Spain)	Ane Arregi	Chemical exposures
OP-018	Examining the Relationship Between Lead Exposures in Community Drinking Water Systems and Child Blood Lead Levels in Illinois	Chibuzor Abasilim	Chemical exposures
OP-019	PFAS Exposure Levels in a Family-based Cohort Study in Minnesota	Jenny N Poynter	Chemical exposures
OP-020	Associations of POPs with diabetes in women by acculturation level: the Hispanic Community Health Study/ Study of Latinos (HCHS/SOL)	Konstantina Tsintsifas	Chemical exposures
OP-021	Spatialization at a fine geographical level of environmental exposure to multiple pesticides used in agriculture in France (1979-2005)	Laëtitia Perrin	Chemical exposures
OP-022	Exposure to pesticides in Chile and its relationship with carcinogenic potential: a review	Maria Teresa Muñoz Quezada	Chemical exposures
OP-023	First Biomonitoring Study on Bisphenols, Parabens and Benzophenones in the Chilean population: Maule Cohort (MAUCO).	Sandra Cortés	Chemical exposures
OP-024	Gestational Exposure to Perfluoroalkyl Substances and Language Development in 2-Year-Old Children	Susan Schantz	Chemical exposures
OP-025	Assessing Mold-Specific Volatile Organic Compounds and Molds Using Sorbent Tubes and a CDC/NIOSH developed tool in Hurricane Ian affected Homes	Atin Adhikari	Climate
OP-026	Nighttime Heat and Road Mortality: A Time-stratified Case-crossover Study	Cheng Kai Hsu	Climate
OP-027	Impacts of extreme temperature conditions on acute health outcomes using clinical test and laboratory data in Minnesota, USA	Marie-Claire Meadows	Climate
OP-028	Climate change and workers' vulnerability: an analysis of occupational exposure to heat stress in the Brazilian legal framework	Mayara Ferrari Longuini	Climate
OP-029	Modeling the Association Between Diarrheal Disease and Extreme Precipitation in Western Kenya Using the IPCC Risk Index	Megan Kowalczyk	Climate
OP-030	Disparities in Climate Change Knowledge: Disconnect Between the Perceived Risk of Climate Change Opposed to Climate Change-Associated Events	Michelle Burbage	Climate
OP-031	Human Health Impacts of Energy Transitions Across the United States Among Sociodemographic Subpopulations in the Year 2050	Rory Stewart	Climate
OP-032	Outdoor Thermal Stress and Obesity in 112 Selected Cities of The United States: Analyzing The SMART BRFS Data	Xiaohui Xu	Climate
OP-033	Exploratory Data Analysis of Adverse Birth Outcomes and Exposure to Oxides of Nitrogen Using Interactive Parallel Coordinates Plot Technique	Aweke Mitku	Birth and pregnancy outcomes



POSTER PRESENTATIONS

OP-034	Radon exposure and gestational diabetes mellitus: the nuMoM2b study	Ka Kahe	Birth and pregnancy outcomes
OP-035	Unifying Forces for Global Exposome Research: INTERNATIONAL HUMAN EXPOSOME NETWORK (IHEN) PROJECT	Léa Maitre	Exposome
OP-036	Phthalates exposure estimation from personal care products usage in participants of The Mexican Teachers' Cohort.	María José Rivero Treviño	Exposure assessment methods
OP-037	Reliability of seminal plasma as a biomarker of trace elements exposure among the male partners of in vitro fertilization patients	Rooshna Mohsin	Exposure assessment methods
OP-038	Overcoming biomedical plastic contamination for detection of microplastics in human placental tissue	Eleanor Medley	Exposures
OP-039	Systematic review on dietary exposure to toxic environmental chemicals and health outcomes	Eun Kyung Lee	Exposures
OP-040	Cancer risk perception of adults including children in family-owned shoe-making workshops of Ticul, Yucatán: preliminary results	Kristina Brandveen	Exposures
OP-041	Air quality, chemical mixtures, and local governance: findings from a national environmental health research program in Colombia	Laura Andrea Rodriguez Villamizar	Exposures
OP-042	Socio economic and environmental disparities in chronic kidney disease mortality in Argentina: An Ecological Study from 2017 to 2019	María Lourdes Aparicio	Exposures
OP-043	Longitudinal study on prenatal arsenic exposure and its persistence up to 10 years: identification of associated factors	Paola Rubilar	Exposures
OP-044	Co-occurrence and estimation of the risk of total aflatoxins (AFs) and ochratoxin A (OTA) in agri-food products consumed in Chile	Paulina Palma	Food Contamination
OP-045	Recruitment strategies for studying occupational and environmental chemical exposures in a community-based birth cohort study in Ecuador	Fadya Orozco	Methods
OP-046	Bioethical Perspective on Environmental Justice in Chilean Rural Communities Impacted by Swine Farming	Maria Teresa Muñoz Quezada	Methods
OP-047	Innovative epidemiological design based on wearable microsensors to monitor mobility and related environmental exposures to better assess cardiovascular health risks	Stephan Gabet	Methods
OP-048	The Mental Health Impacts of Wildfire Exposure: A Scoping Review and Critical Evaluation of the Quantitative Evidence	Katharine Teigen	Neurologic and mental health outcomes
OP-049	Environmental illness in a biosocial perspective	Martin Tondel	Neurologic and mental health outcomes



POSTER PRESENTATIONS

OP-050	Exploring acute associations between climate and air pollution exposures and hospitalizations among older adults with dementia in Alberta, Canada	Samuel Albert Jack Lowe	Neurologic and mental health outcomes
OP-051	Disaggregating the Social Exposome's Role in Brain Development: A Study of Environmental and Contextual Factors Influencing Adolescents' Functional Connectivity	Vida Rebello	Neurologic and mental health outcomes
OP-052	Metabolomic analysis of a population living near a Brazilian steel mill	Isabelle Nogueira Leroux	Omics technologies
OP-053	Incorporating adapted One Health indicators in local Population Health Diagnoses	Cindya Limon Castillo	One health
OP-054	Green spaces, PM2.5 and COVID-19 in the first three months of pandemic year in South America's most polluted capital city	Diana Elizabeth Alcantara Zapata	One health
OP-055	Ethics Guidelines for Environmental Epidemiologists – 2023 Revision	Ruth A. Etzel	Other
OP-056	The Interconnectivity of Transmission Lines and Spiritual Anchors in Thai Customs: Exploring the Relationship between Technology and Tradition	Uma Langkullen	Other
OP-057	Chronicles of racial discrimination: redlining's influence on hypertension risk in women – Nurses Health Study II (1989 – 2019)	Yi Ting Hana Lee	Other
OP-058	Global epidemiology of paralytic shellfish poisoning	Matthew O Gribble	Planetary health
OP-059	Our limited and declining global access to uncontaminated omega3 polyunsaturated fatty acids requires attention	Timothy H Ciesielski	Planetary health
OP-060	Public perceptions of municipal solid waste among impacted communities in North America: a systematic review and qualitative synthesis	Kaitlyn Garrison	Policy
OP-061	The Crucial Role of Environmental Health Scientists and Healthcare Professionals in Plastics Treaty Negotiations	Maria Jose Talayero Schettino	Policy
OP-062	Insecticide exposure during pregnancy in interaction with Zika virus infection and infant neuropsychological and motor development scores at 18 months	Lola Menant	Reproductive outcomes
OP-063	Comparative assessment of pollen profiles in three cities of India	Arzoo Dhankhar	Respiratory and allergic outcomes
OP-064	Pattern and Trend of Particulate Matter (PM2.5) Pollution Over the past 6.5 years in Addis Ababa, Ethiopia	Dawit Siraw	Air pollution



POSTER PRESENTATIONS

ORAL DISCUSSION POSTERS

August 27, 2024 - TUESDAY

Poster Number	Title	Presenter	Topic
OP-065	Endocrine Disruptive Activity and Occurrence of Pharmaceuticals and Viral Content in Water Sources in Melusii Informal Settlement, Pretoria	Sean Mark Patrick	Water Pollution
OP-066	Quantitative lung cancer risk assessment associated with hexavalent chromium: Results using pooled analysis of three cohorts	Deborah M Proctor	Air pollution
OP-067	Cardiorespiratory diseases in an area characterized by anthropogenic pollution: a retrospective population-based cohort study	Fabrizio Minichilli	Air pollution
OP-068	Conversion of exposure-response functions from outdoor to indoor particle exposure	Isabell Katharina Rumrich	Air pollution
OP-069	Long-term Air Pollution and Physical Disability in Older U.S. Adults: A Multi-State Modeling Evaluation from the EPOCH Study	Jiaqi Gao	Air pollution
OP-070	Evaluation of trends in air pollution and daily mortality in The Netherlands over the period 1995 - 2019	Jose H Jacobs	Air pollution
OP-071	Health Impacts of Asian Dust Exposure in Mongolia: A Comparative Study between Ulaanbaatar and Zamyn-Uud	Kazunari Onishi	Air pollution
OP-072	Grandmother's PM10 Exposure and Preterm Birth among their Grandchildren in Black and White Families in South Carolina, United States	Miatta A. Buxton	Air pollution
OP-073	Association between annual concentration of air pollutants and incidence of metabolic syndrome among Korean adults: Korean Genome and Epidemiology Study	Mingkyo Song	Air pollution
OP-074	Intervention on indoor fine particulate matter induced by using solid fuel in rural houses in northern China	Ping Zheng	Air pollution
OP-075	Wildfire smoke events were not associated with healthcare utilization for pediatric asthma in a large New York City cohort	Sarah McCuskee	Air pollution
OP-076	Assessment of non-cancerous health risks due to inhalation exposure to ambient PM2.5 elements in Windsor, Canada	Xiaohong Xu	Air pollution
OP-077	Unequal Toll of the Traffic: An Investigation of Near-Roadway Air Pollution and Health Inequities	Xing Gao	Air pollution
OP-078	Decabromodiphenyl ether and thyroid hormone disruption: A detailed mapping of human biomarker studies to uncover heterogeneity	Suril S. Mehta	Cancer and cancer-precursors
OP-079	Breastfeeding duration and mixtures of serum organochlorine pesticides in women from Northern Mexico	Alma Rincón Rubio	Chemical exposures



POSTER PRESENTATIONS

OP-080	Associations between PFAS perceptions and consumer behaviors across Michigan	Andrew Hoover	Chemical exposures
OP-081	The Association between Exposure to Persistent Organic Pollutants and Semen Parameters: A Mixture Analysis	C. Rebecca Robbins	Chemical exposures
OP-082	Sex-dependent effects of placental PFAS levels on gestational age acceleration and cell composition of the placenta	Cynthia Michelle Perez	Chemical exposures
OP-083	Mixtures of per- and polyfluoroalkyl substances and testicular germ cell tumor risk in U.S. military personnel: A nested case-control study	Jordan McAdam	Chemical exposures
OP-084	Arsenic, lead, and mercury urinary levels of Brazilian families included in a home-based informal jewelry production	Kelly Polido Kaneshiro Olympio	Chemical exposures
OP-085	Prenatal phthalate exposure and anogenital distance in infants around 12 months	Kim N Cajachagua Torres	Chemical exposures
OP-086	Predictors of urinary glyphosate analytes among pregnant women in northern Puerto Rico	Luis Diego Palomo Cordero	Chemical exposures
OP-087	Prenatal glyphosate and AMPA exposure and child neurodevelopment in a Canadian birth cohort study	Meaghan Hall	Chemical exposures
OP-088	Drought exposure during pregnancy and birth outcomes in the Environmental influences on Child Health Outcomes (ECHO) Cohort	Amii M. Kress	Climate
OP-089	Thermoregulation in response to heat stress arising from wearing chemical protective clothing when performing cleaning and disinfection	Chen-Peng Chen	Climate
OP-090	Change in thermal perceptions when performing cleaning and disinfection wearing Level C protective clothing and carrying a disinfectant sprayer	Chen-Peng Chen	Climate
OP-091	CATALYSE: health impact assessment of active transport substitution of short car trips among European cities from 27 countries.	Daniel Velázquez Cortés	Climate
OP-092	Mortality effects associated with longer-term exposure to ambient temperature over and beyond short-term exposure	Evangelia Samoli	Climate
OP-093	Residential Indoor Temperatures and Health: A Systematic Review of Observational Studies	Janelle R. Edwards	Climate
OP-094	Heat-related mortality in Europe in 2023: Exploring the contributions of adaptation on reducing mortality burden	Joan Ballester	Climate
OP-095	Influencing the influx: did moderate and extreme heat affect ED visits from 2009-2018 in Chile?	Macarena De Lourdes Martínez Órdenes	Climate
OP-096	Short-term Effects of Ambient Temperature on Pediatric Incident Seizure: A Case-crossover Analysis Using Distributed Lag Non-linear Models	Shiyu Zhang	Climate
OP-097	Metals and Tobacco Exposure in Pregnant Women and Birth Outcomes in a Birth Cohort - PIPA-UFRJ, Brazil	Ana Paula Natividade De Oliveira	Birth and pregnancy outcomes



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OP-098	Satisfaction with the Cesarean birth experience among women in Puerto Rico	Krisyalie Morales Rivera	Birth and pregnancy outcomes
OP-099	Effect of prenatal exposure to organophosphates and pyrethroid pesticides on foetal growth	Marina Lacasaña	Birth and pregnancy outcomes
OP-100	Health benefits of Open Streets programmes in Latin America: a quantitative health impact assessment	Daniel Velázquez Cortés	Built environment
OP-101	Environmental exposures in human milk and infant physiology in Namqom, Formosa, Argentina and New Haven, Connecticut, USA	Carlye Chaney	Exposome
OP-102	Obesity and Arsenic Exposure in Chile: A cross-sectional analysis of the National Health Survey 2017	Patricia Matus	Exposome
OP-103	Evaluating the use of silicone wristbands and urine biomarkers for assessment of phthalate exposure	Alana Ferris	Exposure assessment methods
OP-104	Identification and characterisation of microplastics in human placenta by physicochemical analysis	María Valentina Suárez León	Exposure assessment methods
OP-105	Identifying Mixture Patterns of Arsenic, Cadmium, and Lead in US Women: Implications for Population Risk Assessment	Natalie F Price	Exposure assessment methods
OP-106	Frequency and factors associated with florfenicol-tolerant Escherichia coli isolated from molluscs in an area with intense aquaculture activity: preliminary results	Gabriel Arriagada	Exposures
OP-107	Glyphosate Internal Doses of Exposure and Health Effects in Populations from an Agricultural Area of the Province of Cordoba (Argentina)	Iohanna Filippi	Exposures
OP-108	Urinary methanol: A microbiome-linked biomarker for fibre-rich diet, health-related behaviours and mortality	Kristin Klier	Exposures
OP-109	Socio-sanitary vulnerability and pesticides exposure in horticultural work, Cordoba, Argentina.	Melisa Florencia Romero Asis	Exposures
OP-110	Bromate an Emerging Environmental Pollutant in Drinking Water and Vegetables: A Case Study in Chile	Raul Calderon	Exposures
OP-111	Mortality due to Silicosis in Spain: Two decades of decline and spatial patterns of distribution	Rodrigo Sarmiento	Exposures
OP-112	Exposure to phthalates and obesity among Latino/ Hispanic youth in the US and Latin America: cases from the HHEAR Repository	Sofia Bengoa	Exposures
OP-113	Do we need more flexible approaches to model the non-linear long-term fine particulate matter and mortality relationship in low concentrations?	Chen Chen	Methods
OP-114	Exploring Disease Risk Factors Using the R Shiny Package: Development of an Analysis Program Utilizing Health Examination Data	Dong Mug Kang	Methods
OP-115	Joint effects of time-varying air pollutant mixtures on health outcome: An extension of the Quantile G-computation method	Juwel Rana	Methods



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OP-116	Examining Ethical Issues Associated with the Growth of Participating Children in a Birth Cohort Study	Ryoko Matsuyama	Methods
OP-117	Prenatal exposure to greenspace and risk of children's neurodevelopmental outcomes: a national cohort study of Medicaid recipients	Hayon Michelle Choi	Neurologic and mental health outcomes
OP-118	Maternal depression and children's social-emotional development in the CRECE cohort in Puerto Rico	Ishwara Ayala Ortiz	Neurologic and mental health outcomes
OP-119	Prenatal exposure to pesticides and its effects on infant neurodevelopment: a systematic review	Janet Trujillo	Neurologic and mental health outcomes
OP-120	Depressive symptoms among young women living in agro-industrial environments in Costa Rica at 1-, 5- and 8-years post-partum	Luis Diego Palomo Cordero	Neurologic and mental health outcomes
OP-121	Prenatal and postnatal exposure to organophosphate flame retardants and neurodevelopment at 1 and 2 years of age	Marina Lacasaña	Neurologic and mental health outcomes
OP-122	Knowledge, practices, and awareness regarding antibiotics use in the general population in Chuquisaca, Bolivia.	María Teresa Solís Soto	One health
OP-123	Pollution of a tropical watershed with antibiotic residues and resistance genes: impact of human activities	Rocio D. Rodriguez Baez	One health
OP-124	Evaluating the Environmental Indicators of Ambient Air Quality at a Carlisle Midsize Farm	Alexander Clifton Jones	Planetary health
OP-125	Neighbourhood vulnerabilities to the health impact of climate change: an indicator-based assessment in Australia	Ang Li	Planetary health
OP-126	Analysis of cumulative burdens in US Justice40 disadvantaged communities and the potential to inform equitable interventions for improved health	Ray Yeager	Policy
OP-127	Prenatal exposure to persistent organic pollutants and pubertal development among 12-year-olds children	Lola Menant	Reproductive outcomes
OP-128	Method development to evaluate public buildings as safe air shelters during smoke episodes	Amanda Jane Wheeler	Air pollution
OP-129	An ultra-low-cost passive sampler for light-absorbing carbon (LAC): field evaluation in Mongolia	Bujin Bekbulat	Air pollution
OP-130	The Effect of PM2.5 Exposure on Survival of Adenocarcinoma Lung Cancer: A Nationwide Study	Chang Chuan Chan	Air pollution
OP-131	Cardiopulmonary effects of short-term ambient PM2.5 exposure: central air quality monitor data versus personal exposure models	Haiyan Tong	Air pollution
OP-132	Black carbon exposure and cardiovascular mortality in Peru: analysis of data from 2017 to 2023.	Johny Ponce Canchihuamán	Air pollution
OP-133	Is the prenatal PM2.5 exposure a risk factor of leukemia in young children?: Big Children's ENVIRONMENTAL health Study	Jongmin Oh	Air pollution
OP-134	Air Pollution Data for the Masses: An Open-Access, Test-Driven, and Reproducible Pipeline PM2.5 Hybrid Model for Epidemiology Applications	Kyle Messier	Air pollution



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ORAL DISCUSSION POSTERS

August 28, 2024 - WEDNESDAY

Poster Number	Title	Presenter	Topic
OP-135	Evaluating the Performance of Low-Cost Air Quality Monitors in Lima, Peru	Luciana Blanco Villafuerte	Air pollution
OP-136	Patterns of nitrogen dioxide (NO ₂) pollution in Holyoke, MA	Nathalie Beltran	Air pollution
OP-137	Pedaling Through Pollution: Seasonal PM _{2.5} Exposure in Midtown Manhattan Bicycle Commuters	Nicole Camacho Rivera	Air pollution
OP-138	Compounded health impacts of air pollution and allergens during extreme weather events in California, USA	Rosana Aguilera	Air pollution
OP-139	Fine particulate matter and birth outcomes: preliminary evidence for a potential threshold in the concentration-response relationship	Thomas J Luben	Air pollution
OP-140	The role of air pollution in the development of chronic kidney disease in inhabitants of São Paulo city, Brazil	Tiana Carla Lopes Moreira	Air pollution
OP-141	Adenocarcinoma Lung Cancer Mortality and 30-year Long-term Exposure to PM _{2.5} in Taiwan	Wei Chi Lin	Air pollution
OP-142	Investigating Volatile Organic Compounds in Older Municipal Buildings and Testing a Green and Sustainable Method to Reduce Employee Workplace Exposures	Atin Adhikari	Chemical exposures
OP-143	Risk assessment of heavy metals due to the consumption of sea products in the Chilean population	Claudia Foerster	Chemical exposures
OP-144	Associations of a metal mixture and vitamin D with sleep duration among U.S. adolescents and young adults	Danelly Rodriguez	Chemical exposures
OP-145	Prenatal Exposure to Metals and Blood Pressure During Pregnancy in Puerto Rico	Edith Mercado	Chemical exposures
OP-146	Sex-specific associations between co-exposure to multiple metals and externalizing symptoms in adolescence and young adulthood	Kristie Oluyemi	Chemical exposures
OP-147	Associations between prenatal PFAS exposure and preadolescents cardiometabolic health	Naomi Lejeune	Chemical exposures
OP-148	Endocrine Disruptors (perchlorate and thiocyanate) in Drinking Water: A Case Study in Chile	Raul Calderon	Chemical exposures
OP-149	Association between humidifier disinfectant and lung cancer incidence: A nationwide propensity score matched cohort study.	Su Hwan Kim	Chemical exposures
OP-150	Pesticide usage and working practices among farmers working in small-scale farms Kelantan State, Malaysia.	Zulhairul Naim Bin Sidek Ahmad	Chemical exposures
OP-151	Effect modification of temporally compounding wildfire smoke and extreme heat in California	Caitlin G Jones Ngo	Climate
OP-152	Prediction of Climate Change Impact on Acute Heat Illnesses: a Time-Series Analysis in Taiwan	Hsiao-Yu Yang	Climate



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OP-153	A New Approach to Assessing Vulnerable Factors to Heat-Related Illnesses: A Multi-City Analysis	Hsiao-Yu Yang	Climate
OP-154	Perceptions and Knowledge on the Impact of Climate Change on Health: A Multinational Study in Latin America	Luciana Blanco Villafuerte	Climate
OP-155	Launching the Southwest Center on Resilience for Climate Change and Health	Melissa Furlong	Climate
OP-156	Assessing the burden and health implications of service interruptions in New York City public housing.	Nina M Flores	Climate
OP-157	Precipitation isn't runoff: Exploring the potential bias associated with this often-used proxy in climate change epidemiology	Ryan Gavin	Climate
OP-158	Effects of extreme weather conditions on heart disease: nation-wide case-crossover study in Japan	Saori Kashima	Climate
OP-159	The role of gentrification in occurrence of extreme temperature events	Thomas J Luben	Climate
OP-160	Preconception maternal blood metals and birth weight among Black mother-infant pairs	Emily R Leonard	Birth and pregnancy outcomes
OP-161	The effects of adverse environmental exposures on risk for congenital Chagas transmission and adverse birth outcomes in Santa Cruz, Bolivia.	Matthew J. Ward	Birth and pregnancy outcomes
OP-162	Association between Greenspace and Adverse Pregnancy Outcomes in Colombia: evidence from the Demographic and Health Survey in 2010	Nazeeba Siddika	Birth and pregnancy outcomes
OP-163	The Utility of SaTScan to identify and map nightlife districts across the USA	Nicole G Itzkowitz	Built environment
OP-164	Childhood acute lymphoblastic leukemia survival and spatial analysis of socio-environmental risks in Mexico	Kristal Pech	Cancer and cancer-precursors
OP-165	Characterization of Targeted and Untargeted Per- and Polyfluoroalkyl Substances (PFAS) in Human Plasma and Their Temporal Variability Over Six Years	Che Jung Chang	Exposome
OP-166	Quantification and evaluation of the heat-stress hazard variability in Tuscany between 2003 and 2022	Francesco Sera	Exposure assessment methods
OP-167	Intraclass correlation coefficients of urinary biomarkers of neonicotinoid insecticides in Japanese pregnant women	Neeranuch Suwannarin	Exposure assessment methods
OP-168	Chemical Speciation of Ambient PM2.5 From Indian Seven Cities: GEOHealth HEALS Analytical Protocol	Prashant Rajput	Exposure assessment methods
OP-169	Prenatal exposure to inorganic arsenic and its association with the frequency of attending School Integration Programs in children from Arica	Claudia López Araya	Exposures
OP-170	The 3'UTR 3179 T/C Polymorphism of the ER Gene Influences Bone Resorption's Impact on Blood Pb in Pregnancy and Postpartum	Guadalupe Estrada Gutierrez	Exposures



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OP-171	Association between point sources of industrial pollution and child lead levels	Lee Friedman	Exposures
OP-172	Social determinants of pesticide exposure and health impacts on horticulturists in Córdoba, Argentina	Mariana Andrea Eandi	Exposures
OP-173	Disproportionate exposure to air pollution and social adversity among patients with sickle cell disease in New York City	Sarah McCuskee	Exposures
OP-174	Sex-specific associations of blood metal mixtures with thyroid hormone homeostasis among Chinese adults: Evidence from a national cross-sectional study	Zheng Li	Exposures
OP-175	Efficiency of case crossover vs time series designs for extreme heat exposures	Caleb Schimke	Methods
OP-176	Comparing Generalised Propensity Score and Propensity Function to investigate the short-term effect of environmental stressors on health-outcomes. A simulation study	Francesco Sera	Methods
OP-177	Explainable AI-based spatiotemporal analysis of cardiovascular mortality	Jungho Im	Methods
OP-178	Who, What, Where?: Assessing How the Environment Impacts Mental Health in Nova Scotia, Canada	Alexandra Del Favero Campbell	Neurologic and mental health outcomes
OP-179	Manganese exposure and neuromotor function among members of the U.S. military	Anna V Oppenheimer	Neurologic and mental health outcomes
OP-180	Evolution of mercury-related symptoms over a 5-year period in Grassy Narrows First Nation, Canada	Aline Philibert	Neurologic and mental health outcomes
OP-181	Cigarette smoking and increased serum neurofilament light chain levels among US adult participants	Yudan Wei	Neurologic and mental health outcomes
OP-182	Epigenotoxic Effects of Bisphenol A and Bisphenol S on the Imprinted {H19/IGF2} Domain in Human Placental JEG-3 Cells	Hyungkee Yoon	Omics technologies
OP-183	Examining the association between decentralized and centralized wastewater-based surveillance and COVID-19 epidemiologic data in Kisumu, Kenya	Abhilasha Shrestha	One health
OP-184	An Innovative Fellowship to Improve Early-Career Training in Research Translation and Communication and to Promote the Research Community	Lissa Fortes Soares	Other
OP-185	Health profiles, aging and climate change in Argentina	Maria Daniela Abraham	Other
OP-186	Atoyac River Museum / Memorial: a communication and education strategy for socio-environmental conflicts	Rocio Lopez Vargas	Other
OP-187	Socio-environmental variables as a PM2.5 prediction tool in a city with 11 million inhabitants and ten air quality monitors.	Rosa Milagros Chuchon Cisneros	Other



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OP-188	Disparities and trends in US Alzheimer's Disease and Related Dementia mortality by racialized and gendered groups, state, and climate vulnerability	Grace V. Santos	Outcomes
OP-189	Quantification of antibiotic resistance genes for environmental monitoring in the Peñas Blancas River Watershed: Insights from otter feces as bioindicators	Kinndle Blanco Peña	Planetary health
OP-190	Air quality forecasting and smoke messaging to protect priority populations – An Australian case study.	Amanda Jane Wheeler	Policy
OP-191	Silicosis risk hazard communication: barriers and challenges	Christopher Riegner	Respiratory and allergic outcomes



E-POSTERS

Poster Number	Title	Presenter	Topic
EP-001	Maternal health care and environmental changes in a mountainous region of Bangladesh	Nabhira Aftabi Binte Binte Islam	Climate
EP-002	The Experience of PA-MAP Project: an information path in primary schools to raise community awareness about air pollution	Ornella Salimbene	Methods
EP-003	The impact of Monsoon weather on food security in Pakistan	Risto Conte Keivabu	Planetary health
EP-004	Per- and polyfluoroalkyl substances in serum and breastmilk samples among pregnant farmworkers in Thailand	Neha Sehgal	Chemical exposures
EP-005	Exploring Internal Exposome and Biological Systems through Multi-Omics Integration: Insights into Gestational Age at Delivery among African Americans	Susan Sights Hoffman	Omics technologies
EP-006	User attitudes towards sustainable dentistry: a descriptive study	Maria Elisa Quinteros Caceres	Other
EP-007	Interactions of the Indoor Environment for Environmental Epidemiology	Carl Grimes	Built environment
EP-008	Health benefits of reducing ambient levels of fine particulate matter: a mortality impact assessment in Taiwan	Chun Yuh Yang	Air pollution
EP-009	The Impact of Covid-19 lockdowns on Particulate Matter (PM2.5) Pollution in Addis Ababa	Dawit Siraw	Air pollution
EP-010	Association of daytime-only, nighttime-only, compound heatwaves with preterm birth by urban-rural and regional socioeconomic status in China	Yafei Guo	Birth and pregnancy outcomes
EP-011	Blood levels of metal exposure patterns and associated factors in a population living in an Industrial District in Brazil	Maria Cristina Ferreira Lemos	Chemical exposures
EP-012	Cervical adenocarcinoma in young women versus older women: A five and ten-year hospital-based survival study in Brazil	Ilce Ferreira Da Silva	Cancer and cancer-precursors
EP-013	Association of ultrafine particle exposure with lung function in elementary school children in the Berlin-Brandenburg Air Study (BEAR)	Vanessa Soppa	Air pollution
EP-014	Air pollution and migraine: Using smartphone app attack records to examine environmental exposures and a transient health outcome	Andrea E. Portt	Neurologic and mental health outcomes
EP-015	Autoimmunity in SARS-CoV-2 convalescent individuals	Andrey I Egorov	Outcomes
EP-016	Urban environmental noise and depression causal pathway: Potential roll of chronic conditions as mediator	Rebeca Ramis	Exposures
EP-017	The Impact of Air Pollution and AHA's Life's Essential 8 in Cardiovascular-Kidney-Metabolic Multimorbidity and Mortality	Xu Gao	Air pollution
EP-018	Association between per- and polyfluoroalkyl substances (PFAS) exposure and kidney function in young adults	Shiwen Li	Chemical exposures



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EP-019	Association between density of food retailers and fitness centers and gestational diabetes mellitus in Eastern Massachusetts	Matthew Shupler	Reproductive outcomes
EP-020	Going Green Saves All? Association between greenness and mortality in persons with and without disabilities in South Korea	Sera Kim	Built environment
EP-021	The impact of socioeconomic factors on long-term mortality associated with exposure to PM2.5: a systematic literature review and meta-analysis	Hans Orru	Air pollution
EP-022	Best practices in the public health surveillance of chemical threats	Neelam Iqbal	Chemical exposures
EP-023	Air pollution exposure from wildfires in Alberta, Canada and respiratory emergency visits among children	Nandi Mwase	Air pollution
EP-024	Association of Postpartum Temperature Exposure and Postpartum Depression	Yi Sun	Birth and pregnancy outcomes
EP-025	Association of urban green space with metabolic syndrome and the role of air pollution	Yi Sun	Built environment
EP-026	Examining the effect of air pollutants on hospitalization with Parkinson's disease among Medicare beneficiaries using traditional and causal inference approaches	Veronica A Wang	Air pollution
EP-027	Urinary concentrations of non-essential and essential elements during weaning in infants from the NELA Cohort in Spain	Antonio Jose Signes Pastor	Exposures
EP-028	Net-Zero policies in the UK: The air pollution co-benefits on mortality and morbidity	Dimitris Evangelopoulos	Climate
EP-029	Systematic review and meta-analysis on short-term exposure to ambient ultrafine particles and all-cause, cardiovascular and respiratory mortality	Marie Bergmann	Air pollution
EP-030	Population exposures to extreme risk-temperature events and compound episodes with air pollution: an epidemiological modelling study in 1426 European regions	Joan Ballester	Air pollution
EP-031	Indoor Location Detection for Calculating In-Home Exposures in clinical trials of air purifiers	Doug Brugge	Air pollution
EP-032	In-home air purifiers and allergy symptoms: A randomized cross-over trial in older adults	Doug Brugge	Respiratory and allergic outcomes
EP-033	Reduced Arsenic Methylation Capacity in Young Chinese Adults After Short-Term Arsenic Exposure From Rice	Jingyu Liu	Chemical exposures
EP-034	Completed Suicide and Its Associated Factors: A Case Study of Thailand 2016 – 2020	Patcharaporn Dejburum	Neurologic and mental health outcomes
EP-035	Climate Change, Well-Being and Interpersonal Relationships Among Youth in the Caribbean [St. Kitts and Nevis]	Steve D Whittaker	Climate
EP-036	Identification of plasma microRNAs in association with urinary arsenic exposure	Wending Li	Omics technologies



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EP-037	Using parametric g-computation for time-to-event data and distributed lag models to identify critical exposure windows for preterm birth	Michael Leung	Methods
EP-038	Metabolomic Signature and OCM Metabolites in Relation to Arsenic Exposure and Methylation Capacity: Evidence from the Folic Acid and Creatine Trial (FACT)	Wending Li	Water Pollution
EP-039	Climate and Air Quality Challenges in the MENA Region: Location and Location and Location	Kenza Khomsi	Climate
EP-041	A systematic review of animal feeding operations including concentrated animal feeding operations (CAFOs) for exposure, health outcomes, and environmental justice	Ji-Young Son	Exposures
EP-042	Association between long-term exposure to mixture of ambient air pollutants and bladder cancer incidence	Bomi Park	Cancer and cancer-precursors
EP-043	Assessing Population Exposure to Biomass Burning: A Scoping Review on Current and Emerging Approaches	Sary Valenzuela	Exposure assessment methods
EP-044	Long-term heat exposure and increased risk of proteinuria	Youngrin Kwag	Climate
EP-045	DNA Methylation Biomarkers for Cumulative Lead Exposures and Cognitive Impairment	Kanghong Shao	Neurologic and mental health outcomes
EP-046	Green and blue space exposure and non-communicable disease related hospitalizations: A systematic review	Leire Luque García	Built environment
EP-047	Loss of labor productivity of manufacturing plants in India attributable to air pollution in India	Sagnik Dey	Air pollution
EP-048	Child maltreatment among male working children in a rural climate-affected area in Bangladesh	Khandakar Fatema	One health
EP-049	The Role of Paternal Occupational Data in Pregnancy Cohort Study in Puerto Rico (P.R.).	Hector R Torres Zayas	Exposures
EP-050	Cadmium, arsenic, and mercury urine levels of an environmental exposed Brazilian population	Isabelle Nogueira Leroux	Chemical exposures
EP-051	Effects of per- and polyfluoroalkyl substances on placental features in the New Hampshire Birth Cohort Study	Megan Elizabeth Romano	Birth and pregnancy outcomes
EP-052	Examining differences in associations between apparent temperature difference and preterm birth by census-tract level utility-bill burden, North Carolina, 2011-2015	Kristen N Cowan	Climate
EP-053	Scoping review of indices to monitor community health	Saumitra V. Rege	One health
EP-054	Associations of a Heavy Metal Mixture and Depressive Symptoms among Reproductive-aged Black Women	Samantha Schildroth	Neurologic and mental health outcomes
EP-055	Preconception Per- and Polyfluoroalkyl Substances and Breastfeeding Duration: Preliminary Findings from Pregnancy Study Online	Samantha Schildroth	Chemical exposures
EP-056	Brain-Environmental interactions: a time sensitive matter	Azzurra Invernizzi	Exposome



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EP-057	Long-term reorganization of structural and functional connectivity among World Trade Center responders with post-traumatic stress disorder: a data-driven multimodal approach	Azzurra Invernizzi	Neurologic and mental health outcomes
EP-058	Proximity of public K-12 schools to oil and gas development in the U.S.: Implications for environmental justice and children's health	Cassandra J Clark	Other
EP-059	Reducing air and noise pollution in schools in sub-Saharan African cities: Description of Accra School Health and Environment Study (ASHES)	Carissa Logan Lange	Air pollution
EP-060	PFAS exposure during pregnancy is associated with maternal cardiometabolic and birth outcomes	Aline Andres	Chemical exposures
EP-061	Tracking process in a birth cohort: How to do it? Lessons from the SEMILLA project in Ecuador	Stephanie Mireya Montenegro	Methods
EP-062	Attrition rates and predictor factors for follow-up in an Ecuadorian birth cohort study: Strengthening validity in the Latin American context	Nataly Cadena	Methods
EP-063	Language development and prenatal pesticide exposure in a sample of 18-month-old infants in the SEMILLA study in Ecuador	Karen Andrea Moreno	Methods
EP-064	Association Between Temperature and Work-Related Temporary Disability Claims in the Agriculture and Construction Workforces of Mexico	Miranda Dally	Climate
EP-065	Characterising carbon monoxide exposure in urban households in London, England 2023-2024	Sarah V Williams	Exposure assessment methods
EP-066	Geographic effect measure modification: tailoring traditional epidemiological methods for targeting extreme heat disparity mitigation interventions	Nadav L Sprague	Exposures
EP-067	US public drinking water: disparities in access and quality	Ronnie Levin	Exposures
EP-068	Personal exposure to quasi-ultrafine particles in university students from two areas of Mexico City	Sofía Contreras Fernández	Air pollution
EP-069	Differential Impacts of Life Course Exposure to PM2.5 and its Sources on Child Health Outcomes in India	Sagnik Dey	Outcomes
EP-070	Mind the Gap: Understanding Public Perception of Particulate Matter in South Korea	Jia Kim	Air pollution
EP-071	Physical activity in children with asthma: Associations with environmental, demographic, anthropometric and clinical parameters	Panayiotis Kouis	Respiratory and allergic outcomes
EP-072	Ambient PM2.5 and Mortality Risk Among People with Disability in Korea: National Health Insurance Database	Kyung Hwa Choi	Air pollution
EP-073	A health impact assessment of tuberculosis notifications attributable to long-term exposure to PM2.5 in Ningxia Hui Autonomous Region, China	Luke Knibbs	Air pollution
EP-074	Analyses of crop water use and environmental performance of small private irrigation along the white Volta basin of Northern Ghana	Rosemary Anderson Akolaa	Other



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EP-075	Drinking Water Arsenic Exposure and the Risk of Diabetes	Thoranna Gilbertsdottir	Water Pollution
EP-076	Maternal serum PFAS concentrations and child growth from second trimester of pregnancy to 3 years of age	Marion Ouidir	Chemical exposures
EP-077	Association of in-home HEPA filtration with cognitive function in a randomized cross over trial	Doug Brugge	Air pollution
EP-078	Policy and Implementation Insights from the Development of the Philippine National Environmental Health Action Plan 2030	Sary Valenzuela	Policy
EP-079	Projecting temperature-related dengue burden in the Philippines under various socioeconomic pathway scenarios	Sary Valenzuela	Methods
EP-080	Association between Residential Greenness and Risk of Stroke by Ecoregions: The REGARDs Study	Daniel W Riggs	Built environment
EP-081	Socioeconomic Disparity in Residential Greenspace Attributable COVID-19 Morbidity and Mortality: A Nationwide Cohort Study in Denmark	Jiawei Zhang	One health
EP-082	Assessing the impacts of climate change on insurance sectors, public safety, and economic sustainability in Canada and the United States	Kaitlyn Garrison	Climate
EP-083	Results of a Biodosimetric re-assessment of Three Mile Island (TMI) exposures using whole genome directional genomic hybridization (dGH)	Doug Brugge	Exposures
EP-084	The SEMILLA Birth Cohort Study: a study protocol	Alexis J Handal	Birth and pregnancy outcomes
EP-085	Long-term exposure to fine particulate matter and nitrogen dioxide and antibody response to SARS-CoV-2 vaccination in an Italian elderly population	Giovanni Veronesi	Air pollution
EP-086	Prospective metabolome-wide association study suggests environmental chemicals cause early-onset breast cancer through disruption of nutrient sensing mechanisms	Dean P Jones	Omics technologies
EP-087	Unveiling the Effects of Heat Waves on Perinatal Outcomes: An Analysis of the Metropolitan Region and Concepción (2015-2022)	Macarena De Lourdes Martínez Órdenes	Birth and pregnancy outcomes
EP-088	Reduced odor identification linked to long-term air pollution exposure: findings from the KORA FIT study in Augsburg, Germany	Alexandra Schneider	Air pollution
EP-089	The influence of built environment on grip strength, a marker of age-related health status	Jaclyn Parks	Built environment
EP-090	Systematic review and meta-analysis of studies of wood smoke exposure and nasopharyngeal	Ruth Lunn	Cancer and cancer-precursors
EP-091	The Small Area Health Indicators Project: Findings and challenges	Luke Knibbs	One health
EP-092	PM2.5 induced Phenotype Transition of Renal Tubular Kidney Cells via Oxidative Stress	Duk Hee Kang	Air pollution



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EP-093	Association between electrocardiographic abnormalities and flood exposure among middle-aged and elderly people: A national longitudinal study in China	Tao Xue	Climate
EP-094	Association between Outdoor and Indoor Air Pollution Sources and Atopic Eczema Among Preschool Children in South Africa	Mandla Freddy Bhuda	Respiratory and allergic outcomes
EP-095	Environmental health knowledge and skills in Catalan paediatricians. Description and predictors	Mikel Subiza Pérez	Other
EP-096	Trihalomethanes from residential community water supplies and chronic kidney disease risk among women in California	Danielle N Medgyesi	Water Pollution
EP-097	Disparities in access and quality in US public drinking water	Ronnie Levin	Exposures
EP-098	A comparative assessment of environmental conditions in two urban low-income communities in Accra, Ghana	Rosemary Anderson Akolaa	Other
EP-099	Impact of pollen on respiratory morbidity in the United States: a multi-city time series study	Brooke Lappe	Respiratory and allergic outcomes
EP-100	Association of Long-Term Air Pollution Exposure with Cerebrovascular and Other Dementia-Related Neuropathologies at Autopsy in a Community-Based Cohort	Tara E. Jenson	Air pollution
EP-101	Using machine learning to map research on implemented city-level climate action on health and wellbeing	James Milner	Policy
EP-102	Prenatal Exposure to an Endocrine Disrupting Chemical and Psychosocial Stress Mixture and Gestational Age: A Bayesian Kernel Machine Regression Analysis	Jasmin Africali Eatman	Birth and pregnancy outcomes
EP-103	Evaluating Human Health Risks Associated with Groundwater Chemical Exposure in a Rural Community of San Antonio, Uruguay	Paulina Pizzorno	Water Pollution
EP-104	Temporal associations between fine particulate matter exposure and breast cancer incidence in the Sister Study	Jennifer L. Ish	Air pollution
EP-105	Associations between high temperature exposure and overdose fatalities (amphetamine, cocaine, and opioid use) in Quebec from 2015 to 2022	José Guillermo Cedeño Laurent	Climate
EP-106	Identification and characterization of socio-environmental exposome changes due to cancer post-diagnosis mobility patterns in the California Teachers Study	Nasser Laouali	Cancer and cancer-precursors
EP-107	Innovative thinking for innovative approaches: examples from research with a First Nation community	Aline Philibert	Methods
EP-108	Cognitive and functional brain changes among Italian adolescents and young adults with COVID-19 infection: a longitudinal case control study	Azzurra Invernizzi	Exposome
EP-109	The Impact of Long-term Exposure to Air Pollution on Plasma Proteomic and Metabolomic Profiles in UK Biobank	Cavin K Ward Caviness	Omics technologies



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EP-110	The relationship between metal mixtures and oxidative stress biomarkers in adolescents from Montevideo, Uruguay	Katarzyna Kordas	Chemical exposures
EP-111	Eliminating PM2.5 Exposure-Disparities: optimal emission reduction strategies (Washington and in California, USA)	Arushi Sharma	Air pollution
EP-112	A proposed framework for assessing the Environmental Health Literacy	Ming Chieh Li	Methods
EP-113	Prevalence And Predicting Risk Factors Of Overweight And Obesity Among Primary School Pupils In Ramadi, Iraq	Ahmed Khalaf Al Delaimy	One health
EP-114	Factors associated with low handgrip strength in people with diabetes registered in family health strategy, Rio Branco, Acre, Brazil	Thatiana Lameira Maciel Amaral	Other
EP-115	Chronic Postnatal Exposure to Agricultural Pesticides: Effects on Child and Adolescent Neurodevelopment: A Systematic Review	Paola Viglietti	Neurologic and mental health outcomes
EP-116	Association between long-term exposure to fine particulate matter and mental health in women from Southeastern Louisiana, USA	Anke Huels	Neurologic and mental health outcomes
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