36th Annual Conference of the International Society for Environmental Epidemiology
August 25 - 28, 2024 / Santiago, CHILE

August 25, 2024 - SUNDAY

TIME		HALL								
START	END	SAN CRISTOBAL A	SAN CRISTOBAL B	SAN CRISTOBAL C	VALDIVIA A	VALDIVIA B	VALDIVIA C	QUIXOTE	DIRECTORIO E	
09:00	13:00					**Full Day Workshop** Bayesian spatiotemporal modelling for environmental data with NIMBLE Faculty: **Garyfallos Konstantinoudis, Robbie Parks**	**Half Day Workshop** Biomonitoring of contaminants: methodological challenges for action in Ibero-American populations Faculty: **Sandra Cortes , Katarzyna Kordas, Martha M Téllez-Rojo, Marcela Tamayo, Nelly Mañay**			
13:00	14:00					**BREAK**				
14:00	18:00					**Full Day Workshop** Bayesian spatiotemporal modelling for environmental data with NIMBLE Faculty: **Garyfallos Konstantinoudis, Robbie Parks**	**Half Day Workshop** Climate crisis and health – from research to policy. A primer with the focus on United Nations COP climate negotiations Faculty: **Kurt Straif, George Thurston, Mary Rice, Luis Abdon Cifuentes, Milena Sergeeva**			
18:30	19:15	**NEW MEMBERS NETWORKING EVENT**								
19:15	20:15	**WELCOME RECEPTION / COMMITTEES FAIR**								

August 26, 2024 - MONDAY

TIME		HALL								
START	END	SAN CRISTOBAL A	SAN CRISTOBAL B	SAN CRISTOBAL C	VALDIVIA A	VALDIVIA B	VALDIVIA C	QUIXOTE	DIRECTORIO E	VIRTUAL PLATFORM
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**	**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**	**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**	**Traditional Oral Session 01** Exposure assessment methods and applications around the world Chairs: **Matthew Bozigar & Stephanie E Cleland** Co-occurence 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**	**Traditional Oral Session 02** Water pollution: Current studies of arsenic in drinking water Chairs: **Maria Medina-Pizzali & Torben Sigsgaard** 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**	**Flash Oral Session 01** Particles and perils: exploring the health impacts of particulate matter Chairs: **Richard V Remigio & Morgan Narain** 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**	**Flash Oral Session 02** The health co-benefits of taking action on climate change Chairs: **Neeta Thakur & Wael Al-Delaimy** 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**	**Flash Oral Session 03** Environmental exposure and neurodegenerative diseases Chairs: **Peter Larson & Tamara Schikowski** 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** Investigation of combined environmental exposures, mental health	**Virtual Session** **Europe/Africa 1: Air pollution and health outcomes** Chairs: **Kim van Daalen, Stéphane Tuffier** 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 Thoelke** 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**
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**	**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**	**Traditional Oral Session 03** Addressing Disparities and Health Impacts of Air Pollution Exposure Chair: **Garam Byun** Ethics Discussants: **Adetoun Mustapha and Osuolale Olayinka** 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**	**Traditional Oral Session 04** Perspectives on environmental policy and public health Chairs: **Anna Hansell & Kristen Cowan** 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**	**Traditional Oral Session 05** Inequities in Drinking Water Quality and Health Outcomes Chairs: **Ronnie Levin** & **Ilan Cerna Turoff** 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**	**Flash Oral Session 04** Haze hazards: long-term exposure to air pollution and chronic health effects Chairs: **Isabell Rumrich & Josiah Kephart** Airborne nanoparticle concentrations are associated with brain cancer incidence in Canada's two largest cities **- Marshall Lloyd** PM2.5 components mixture and atherosclerotic cardiovascular disease 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**	**Flash Oral Session 05** Green Space and Health Outcomes Chairs: **Wei Lun Tsai & Peter James** 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** Recognizing Priority Areas for Urban Green Interventions: A Multi-Criteria Decision Analysis for Health Promotion and Environmental Justice - **Evelise Pereira Barboza**	**Flash Oral Session 06** Occupational Health Risks Chairs: **Aaron Specht & María José Rivero Treviño** 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**	
13:15	14:45	**LUNCH BREAK & GENERAL MEMBERSHIP MEETING**								
14:45	16:15	**Symposium 06** Assessing environmental justice for communities living in industrially contaminated areas: sharing approaches and experiences Chairs: **Ivano Iavarone & Marcela Tamayo-Ortiz** 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**	**Symposium 07** Multi-omics applications in the era of precision environmental health Chairs: **Donghai Liang & Tanya Alderete** 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**	**Traditional Oral Session 06** Our changing world: Climate change and natural disasters Chairs: **Abiodun Oluyomi & Nancy Raquel Cardona** 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**	**Traditional Oral Session 07** Occupational and Environmental Cancer Risks Chairs: **David F. Goldsmith & Ilce Ferreira da Silva** 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**	**Flash Oral Session 07** Highway to health: the impacts of traffic-related air pollution Chairs: **Marie O'Neill & Alan Dominguez** 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**	**Flash Oral Session 08** Environmental Pollutants and Maternal-Child Health Chairs: **Ahlam Abuawad & Manolis Kogevinas** 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 particular 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**	**Flash Oral Session 09** Health effects of pesticide and industrial chemical exposure Chairs: **Lesliam Quirós Alcalá & Jonathan Chevrier** 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**	**Flash Oral Session 10** Impact of Prenatal and Early Life Metal Exposure on Cognitive and Physical Health Across the Lifespan Chairs: **Marion Ouidir & Homegnon Antonin Ferreol Bah** 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**	**Virtual Session** **North & Latin America 1: Air pollution and health impacts** **Chairs: Oscar Alberto Rojas Sánchez, TBA** 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**
16:15	16:45	**COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING**								

16:45	17:45	**Pecha Kucha Session 01** The invisible health threat: short- and long-term impacts of air pollution Chairs: **Michelle Turner & Nasser Louali** 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**	**Pecha Kucha Session 02** Regulatory Changes, Global Challenges, and Maternal Health Chairs: **Diana Alcantara & José F. Cordero** 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 Alice 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**	**Pecha Kucha Session 03** Environmental Inequalities and Public Health Chairs: **Richard V Remigio, TBA** Exploring the pathways linking prenatal and early childhood greenness exposure to attention-deficit/hyperactivity disorder symptoms during childhood - **Laire Luque Garcia** 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 - **Ruy Yeager** Residential exposure to green and non-photosynthesizing 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	**Pecha Kucha Session 04** Spatial and Temporal Cancer Trends and Exposome Studies Chairs: **Charles B Hall & Nicole Dezial** 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 Dezial** 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**	**Pecha Kucha Session 05** Chemical exposures and health outcomes I Chairs: **Martha M Téllez-Rojo & Mike Z. He** 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** 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** 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**	**Pecha Kucha Session 06** Climate change, extreme temperature and health in USA Chairs: **Stephanie Cleland & Marcela Tamayo Ortiz** 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 Zabor** 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** Temperature extremes and mortality during summer months in federal prisons across the United State, 2010-2021 - **Kristen N Cowan**	**Pecha Kucha Session 07** Environmental Chemicals and Health: Insights from Biomonitoring and Epidemiological Studies Chairs: **Paige Bommarito & Katlyn McGraw** 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 - **Angel 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**	**Flash Oral Session 11** Environmental epidemiology and one health: global perspectives I Chairs: **Samuel Cai & Neelam Iqbal** 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 Feuer** 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**	
17:45	19:15	**Symposium 08** Bayesian models for Environmental Health Chairs: **Garyfallos Konstantinoudis & Robbie Parks** 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 Kioumourtzoglou**	**Symposium 09** Strengthening environmental surveillance to advance health-promoting policies Chairs: **Yi Lu, Hassan Ali Dalvi Shirazi & Sumi Mehta** Promoting child health and environmental equity through a children's environmental health information system - **Qiang Wang** Strengthening government's surveillance and clinical responses to lead exposure in Peru - **Maria Elena Arias Coronel** Leveraging air quality monitoring data in Jakarta, Indonesia – local impact assessments to guide government regulations - **Ginanjar Syuhada** Role of frontline health professionals in improving air quality and climate health surveillance in India - **Ambrish Kumar Chandan**	**Traditional Oral Session 08** Exposure assessment in air pollution studies Chairs: **Samuel Etajak & Xiaorong Shan** Estimating Air Quality Exposure in 1940 and 2010 For Future Application to Health Analyses - **Xiaorong Shan** Increasing Capacity to Assess Air Pollution Disparities in Atlantic Canada - **Tuz 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**	**Traditional Oral Session 09** Environmental factors and reproductive health Chairs: **José F. Cordero & Melissa Fiffer** Exposure to traffic-related air pollutants in vitrified oocyte donors and male recipient partners in relation to fertilization and embryo quality - **Sarah Lapoine** 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**	**Traditional Oral Session 10** Environmental exposure and mental health Chairs: **Ellen Wells & Raphael Arku** Associations between traffic noise and incident dementia in UK Biobank - **Enock Havarimana** 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 - **Dinga Kumar Lamichhane** Drought and Despair: Investigating the Link Between Severe Weather Events and Suicide Mortality in the U.S. - **Azar M Abadi**	**Flash Oral Session 12** Chemical Exposures and Child Development Chairs: **Shiwen Li & Vida Rebello** 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** Placenta 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 - **Azaunia 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 Damascena 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**	**Flash Oral Session 13** Prenatal and post-natal exposure to air pollution and children's effects Chairs: **Rafael Buralli & Rachel Tham** 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** Characterizing 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**	**Flash Oral Session 14** Impact of exposure to environmental contaminants on health outcomes Chairs: **Juwel Rana & Carmen J Marsit** 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 triphenyl A and phthalates with emotional and behavioral problems through adolescence - **Lilly Morris**	**Virtual Session** **North & Latin America 2: Environmental exposure and children's health** Chairs: **Mildred Maisonet, TBA** 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 - **Mengqi Li** Associations of Cord Blood Concentrations of Perfluoroalkyl Substances and Benzophenones with Autistic Traits at Age Seven in Singaporean Children - **Nathan Cohen**
19:15	20:00	**Women's Networking and Social Event**								
20:30	23:45	**SNIRN EVENT (invitation only)**								

August 27, 2024 - TUESDAY										
TIME		HALL								
START	END	SAN CRISTOBAL A	SAN CRISTOBAL B	SAN CRISTOBAL C	VALDIVIA A	VALDIVIA B	VALDIVIA C	QUIXOTE	DIRECTORIO E	VIRTUAL PLATFORM
06:00	07:30									**Virtual Session** **Asia / Pacific 1: Global environmental exposures and health impacts** Chairs: **Yohannes Tefera Damtew, Priya Dutta** 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**
08:00	08:45	**J. GOLDSMITH AWARD LECTURE** **Chairs: Jaime E. Hart, Tanya Singh** Pesticides and the brain: is epidemiologic research informing policy? **Beate Ritz**								
08:45	09:30	**Keynote Lecture 3** **Chair: Ruth Etzel** Building bridges with a community: success stories and cautionary tales **- Brenda Eskenazi**								
09:30	10:00	**COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING**								
10:00	11:30	**Symposium 10** Why Countering Harmful Industry Impacts and Exposures on Health is Critical for Environmental Justice Chairs: **Tracey J Woodruff & Nicholas Chartres** 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**	**Symposium 11** Wood heaters – assessing health impacts, environmental justice, and sustainable development implications Chairs: **Sotiris Vardoulakis & Geoffrey Morgan** It takes a village: Big data and community science to support local action on residential woodsmoke in Canada - **Sarah Henderson** The health burden of residential wood heating in Australia, a health impact assessment - **Nicolas Borchers Arriagada** Residential wood burning in Southern Chile: a perinatal health study in Temuco - **Estela Blanco** Residential wood smoke exposure and hypertension in the Helsinki Capital Region, Finland - **Enembe Okokon** Reducing exposure to residential wood smoke in Australia: health equity, environmental justice, and implementation challenges and opportunities - **Sotiris Vardoulakis**	**Symposium 12** Occurrence and Health Impacts on Exposure to Per- and Polyfluoroalkyl Substances (PFASs) Chairs: **Po-Chin Huang & Shoji F. Nakayama** 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**	**Traditional Oral Session 11** Climate change and disparities Chairs: **Risto Conte Keivabu & Ang Li** 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**	**Traditional Oral Session 12** Respiratory health and environmental exposures I Chairs: **Ashtyn Tracey Areal & Bénédicte Jacquemin** 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**	**Traditional Oral Session 13** Prenatal exposure and neurodevelopmental outcomes Chairs: **Josh Alampi & Katarzyna Kordas** 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**	**Traditional Oral Session 14** Chemical Exposures and Cancer Incidence Chairs: **Mohammad Rahman & Sandra Cortes** 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**	**Flash Oral Session 15** Water pollution: modern challenges Chairs: **Citlalli Osorio & Maya Spaur** 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**	**Virtual Session** **Europe/Africa 2: Environmental exposures and biological impacts** **Chairs: TBA** 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**
11:30	13:00	**Symposium 13** TROPIC Network: A Tropical Cyclone Network for International Health and Resilience Chairs: **Robbie M. Parks & Marianthi-Anna Kioumourtzoglou** 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**	**Symposium 14** Exploring Methodologies and Applications of Multicentric Epidemiological Studies in Environmental Health: Lessons and Insights Chairs: **Manolis Kogevinas & Maggie Clark** Design issues in observational multicentric studies - **Manolis Kogevinas** Multicentric environmental health intervention trials: insights from the Household Air Pollution Intervention Network (HAPIN) trial - **Maggie Clark** Biomarker data in multicentric cohort studies: insights from European early-life exposome projects - **Martine Vrijheid** The Multi-Country Multi-City (MCC) Collaborative Research Network: novel study designs and methodological advancements for multicentric studies - **Antonio Gasparrini** CIDACS-Clima Platform: A resource to study the environment, climate and health in Brazil - **Mauricio Barreto**	**Traditional Oral Session 15** Health Impacts of Chemical Exposure: From Vulnerable Populations to Global Concerns Chair: **Laura C. Arboleda Merino** Ethics Discussants**: Lissa F Soares and Atanu Sarkar** 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**	**Traditional Oral Session 16** Impact of pesticide exposure: from developmental neurobehavior to cardiovascular health Chairs: **Jessica Madrigal & Boris Lucero** 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**	**Flash Oral Session 16** Unveleing the links between short-term exposure to air pollution and health effects Chairs: **Diana Alcantara & Youssef Oulhote** 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 β-Blocker Prescription Among Heart Failure Patients - **Morgan Narain** Characterizing air and noise pollution in elementary schools in Accra, Ghana - **Raphael Edem Arku**	**Flash Oral Session 17** Health impacts of per- and polyfluoroalkyl substances (PFAS) exposure Chairs: **Brittney O. Baumert & Maria Jose Talayero** 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	**Flash Oral Session 18** Prenatal Exposures and Neonatal Outcomes Chairs: **Grant Tore & Benjamin Barratt** 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**	**Flash Oral Session 19** Advanced methods for environmental epidemiology Chairs: **Anke Huels & Sindana Ilango** 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**	
13:00	14:30	**LUNCH BREAK**								
13:20	14:10		**Sponsored Collaboration Workshop**							
14:30	16:00	**Symposium 15** Environmental Injustice and health disparities in global contexts Chairs: **Kwaku Poku Asante & Sokhna Thiam** 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**	**Symposium 16** Pesticides and Health in Latin America: Investigating novel insights into neurobehavior and birth outcomes within the context of impacted communities Chairs: **Jose Ricardo Suarez-Lopez & María Teresa Muñoz-Quezada** 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**	**Traditional Oral Session 17** Temperature variability and health effects Chairs: **Kenza Khomsi & Luis Cifuentes** 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**	**Traditional Oral Session 18** Methods in Modeling for environmental epidemiology and exposure assessment Chairs: **Nikolaos Stratakis & Marianthi-Anna Kioumourtzoglou** 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**	**Traditional Oral Session 19** Environmental epidemiology and one health: global perspectives II Chairs: **Atiqul Haque & Hannah McClymont** 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**	**Flash Oral Session 20** Wildfires, air pollution, and health impacts - from understanding to acting Chairs: **Dwan Vilcins & Kelvin Fong** 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	**Flash Oral Session 21** Health Impacts of PFAS Exposure Chairs: **Cassandra Clark & Jose Suarez** 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** PFAS exposures during pregnancy are associated with infant growth and development during the first 2 years of life **- Aline Andres**	**Flash Oral Session 22** Characterization of internal and external exposome Chairs: **Nicholas B Defelice & Rafaela Soares Senra Da Costa** 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** Metallomic 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 'expotype' within the P4O2 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**	**Virtual Session** **North & Latin America 3: Chemical exposures and health outcomes** **Chairs: Dazhe Chen, TBA** 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**
16:00	16:30	**COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING**								

16:30	17:30	**Pecha Kucha Session 08** Uncovering the health impacts of air pollution Chairs: **Dimitris Evangelopoulos & Tiana Moreira** 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** Characterizing 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 DepArir 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 - **Haixu 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	**Pecha Kucha Session 09** Chemical exposures and health outcomes II Chairs: **Shannon Sullivan & Sotiris Vardoulakis** Unravelling 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**	**Pecha Kucha Session 10** Climate change, temperature variations and health effects Chairs: **Stella Hartinger & Malebo Makunyane** 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 - **Lana Schwarz** Projections of the Future Heat Health Burden: The Influence of Climate, Socioeconomic and Demographic Change - **Rebecca Cole**	**Pecha Kucha Session 11** Old pollutants, new boundaries: expanding the knowledge on air pollution and health Chairs: **Laura Andrea Rodriguez Villamizar & TBA** 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-Apportioned 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 - **Jonni 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**	**Pecha Kucha Session 12** Urban drivers of environmental exposure disparities Chairs: **Anmol Anand Pardeshi & Rebecca Bentley** 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 Carryl** 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** Road 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 -	**Pecha Kucha Session 13** Food contamination and health risks Chairs: **Alejandra Cantoral & Homegnon Antonin Ferreol Bah** 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 - **Luis 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**	**SNRN Session 1** **Transitioning from PhD to Postdoc** Moderators: **Maria Luisa Medina Pizzali, Jaime Reyes Sánchez** Speakers: **Rafael Buralli, Nicolas Borchers Arriagada, Charlie Roscoe**	**Flash Oral Session 23** Environmental Noise and Health Chairs: **Yu Chen & Marianthi-Anna Kioumourtzoglou** 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**	
17:30	19:00	**Symposium 17** Stories of Policy Success: Real Examples of Inspiring Science-based Air Quality and Climate Action Around the World Chairs: **Hanna Boogaard & Ebba Malmqvist** 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**	**Symposium 18** 10 years after the IARC Monograph: What do we know now about air pollution as a carcinogen? Chairs: **Rena Jones & Alexandra White** 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**	**Traditional Oral Session 20** Community-Driven Approaches to Environmental Justice Chairs: **Matthew J. Ward** Ethics Discussants: **Linda Kahn and Carl Grimes** 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**	**Traditional Oral Session 21** Environmental and planetary health insights Chairs: **Tamara Schikowski & Zulkhairul Naim Bin Sidek Ahmad** 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**	**Flash Oral Session 24** Modeling and predicting on air pollution and health effects Chairs: **Christian Sewor & TBA** 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 Varadan** 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 Bouaghba** Multinational modelling of fine particulate matter and carbon monoxide exposures from household air pollution in peri-urban Sub-Saharan Africa - **Matt Shupler** A simulation study analyzing the impact of differential exposure measurement error of air pollution on preterm birth - **Marianthi-Anna Kioumourtzoglou** 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**	**Flash Oral Session 25** Climate change and health outcomes Chairs: **Mislael A. Valentin Cortes & Kai Chen** 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**	**Flash Oral Session 26** Advances in exposure assessment methods Chairs: **Julia Anglen Bauer & Aaron James Specht** 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 Bohl** 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**	**Flash Oral Session 27** Health impact of metal exposures Chairs: **Ana Navas-Acien & Wending Li** 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**	**Virtual Session** **North & Latin America 4: Environmental justice and community health** Chairs: **Samendra Sherchan, TBA** A community-engaged approach to assess arsenic exposure in private well users in rural communities: The South Texas Arsenic Research Project - **Taehyun Roh** Poor rebirthing 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 - **Edu 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 - **María Teresa Cayubamba**
20:00	00:00	**CONFERENCE DINNER**							

August 28, 2024 - WEDNESDAY											
TIME		HALL									
START	END	SAN CRISTOBAL A	SAN CRISTOBAL B	SAN CRISTOBAL C	VALDIVIA A	VALDIVIA B	VALDIVIA C	QUIXOTE	DIRECTORIO E	VIRTUAL PLATFORM
06:00	07:30									
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**	**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-Martinez & Horacio Riojas-Rodriguez** 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-Marin** Health impact assessment in Mexico: AirQ+, other tools and methodological implications - **José Luis Texcalac-Sangrador**	**Symposium 21** Intervention studies for metal exposure reduction and mitigation Chairs: **Bonnie Joubert & Ana Navas-Acien** 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**	**Traditional Oral Session 22** Extreme temperatures and health Chairs: **Laura Andrea Rodriguez Villamizar & Luciana Rojas Granda** 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**	**Traditional Oral Session 23** Air Pollution and Health Implications Chairs: **Jaime Hart & Sandra India Aldana** 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 Fitter** 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 Frdes Asmus**	**Traditional Oral Session 24** Casual inference in environmental epidemiology Chairs: **Francesco Sera & Stephanie Grady** 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 causal 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 Kakhiani** 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 - **José David Schwartz**	**Traditional Oral Session 25** Socioeconomic Influences and Emergency Responses in Maternal Health Chairs: **Ahmed Al-Delaimy & Tanya Singh** 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**	**Flash Oral Session 28** Environmental health: epigenetics and metabolism Chairs: **Allison Kupsco & Ziyin Tang** 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 - **Denis 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. Deyssenroth** 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	**Virtual Session** **Europe/Africa 3: Epigenetics and environmental health** Chairs: **Lina Mu, TBA** A Comprehensive Physiology-based Toxicokinetic Model for Predicting Xenobiotics Concentrations in the Central Nervous System - **Achilleas Karakotsidis** 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 Karakotsidis** Navigating Biological Systems With PBPK, Text Mining And AI: in silico NAMs for the development of Reliable and Robust QAOPs - **Achilleas Karakotsidis** 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 Gérard Walton**
11:45	12:45	**Pecha Kucha Session 14** Pollution's pathways: exploring the air pollution impacts across populations and contexts Chairs: **Tarik Benmarhnia & Anjali Dakshina Kumar** 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 - **María Eduarda Da Silva Sabedotti** Disparities in exposure to PM2.5 according to MPI gradient by blocks in the city of Medellín (Colombia), 2019 - **Juan Gabriel Pineros**	**Pecha Kucha Session 15** Intersection of Environmental Factors and Public Health Chairs: **Rajendra P Parajuli & Zachary McCann** 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**	**Pecha Kucha Session 16** Environmental Exposures and Health Outcomes Chairs: **Diana Varaden & Mary Willis** 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**	**Pecha Kucha Session 17** Environmental Exposure and Neurological Health Outcomes Chairs: **Tara Jenson & Xu Gao** Environmental Exposures Continue to be a Possible Etiological Procedure in the Development Amyotrophic Lateral Sclerosis (ALS) - **Khandakar Fatema** Mental illness and nonlead 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**	**Pecha Kucha Session 18** From exposure to impact: health consequences of air pollution Chairs: **Rodrigo Ugalde-Resano & Isabell Rumrich** Association of maternal air pollution exposure and infant lung function is modified by genetic propensity to oxidative stress - **Dwan Vicins** 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 Kathrin 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	**SNRN Session 2** **Beyond Academia: Fulfilling and exciting non-academic careers** Moderator: **Rachel Shaffer** Panelists: **Suril Mehta, Pallavi Pant, Johny Ponce Canchihuamán**	**Flash Oral Session 29** Environmental factors and neurocognition Chairs: **Lía Maitre & Jordi Sunyer** 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**	**Flash Oral Session 30** Environmental exposures and health outcomes II Chairs: **Peng Gao & Gina Alejandra Castiblanco Rubio** 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 - **Maria Pia Muñoz** Association Between Environmental Fluoride Exposure and Bone Speed of Sound (SOS) at One Year Postpartum - **Gina Alejandra Castiblanco Rubio**	
12:45	14:15	LUNCH BREAK								
12:45	14:15		TOWN HALL **ISEE: Past and Present, and Its Role in Environmental and Public Health Advocacy**							
14:15	15:45	**Symposium 22** Challenges & Opportunities in Environmental Mixture Analyses: "Omics", Causal Inference, and Pooled Analyses Chairs: **Caitlin Howe & Megan Romano** 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**	**Symposium 23** Climate Change and Mental Health: From Local to Global Chairs: **Kate Burrows & Amruta Nori-Sarma** 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. - **Noemia Spriggs** Mental Health Impacts of Oil and Gas Development - **Mary Willis**	**Traditional Oral Session 26** Climate Justice and Health: Addressing Vulnerabilities and Disparities Chairs: **Nicholas Osborne** Ethics Discussants: **Ruth Ann Etzel and Nivine H. Abbas** Weather-related inconvenient mobility of trails used by Inuit subsistence harvesters does not significantly influence retail food sales in Nunavut, Canada - **Supphia 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** **Traditional Oral Session 27** Assessment and analysis of effects of internal exposome Chairs: **Sung Kyun Park, Nikolaos Stratakis** 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-wide vulnerability interactions on cognitive function - **Sung Kyun Park**	**Traditional Oral Session 28** Understanding the complexities of environmental exposures: implications for health and justice Chairs: **Berna Van Wendel & Hien Thi Thu Ngo** 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**	**Traditional Oral Session 29** Health impact of per- and polyfluoroalkyl substances (PFAS) exposure across the lifespan Chairs: **Rena Jones & Katlyn E Mcgraw** 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** 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**	**Flash Oral Session 31** Respiratory health and environmental exposures II Chairs: **Jiawei Zhang & Maria José Rosa** 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**	**Flash Oral Session 32** Urban Infrastructure and Health Chairs: **Kelvin Fong & Sasha Khomenko** Green inequality in Estonian cities – what does it mean in health and environmental justice 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 D 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**	**Virtual Session** **North & Latin America 5: Methods and models in environmental health research** Chairs: **Jonathan Chevrier, Erin Campbell** Exposure measurement error in air pollution health effect studies: A pooled analysis of personal exposure validation studies across the US - **Doga Zheng** 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 ciclovías - **Luis Camilo Blanco Becerra** System 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**
15:45	16:15	COFFEE BREAK & POSTER DISCUSSION SESSION / FREE POSTER VIEWING								
16:15	17:45	**Symposium 24** Environmental health community case studies: Linking storytelling and qualitative research to environmental epidemiology Chairs: **Michelle Burbage & Elizabeth Hom Thepaksorn** 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**	**Symposium 25** New Cohorts for Environmental Exposure and Cancer Risk among Environmental Justice and High-Risk Communities in the United States Chairs: **Kristen Malecki & Wei Zheng** The impact of urbanicity on environmental exposures of concern in Minnesota (10,000 Families) - **Heather Nelson** 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** MI-CARES: Recruiting from Michigan's Environmental In-Justice Hotspots – methods, rationale and preliminary findings (MI-CARES) - **Leigh Pearce** Searching the exposome to identify environmental chemical exposures for cancer risk in humans: the Southern Environmental Health Study - **Wei Zheng** The association between toxic metal exposure, race, gender, and liver enzymes in individuals with nonalcoholic fatty liver disease - **Nikia Smith**	**Traditional Oral Session 30** Urban Environments and Health: Exploring Safety, Green Spaces, and Socioeconomic Disparities Chairs: **Daniel Carrión & Tara E. Jenson** 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**	**Traditional Oral Session 31** Temperature variations and health effects Chairs: **Jennifer L. Ish & Malebo Makunyane** 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** The impact of heatwaves in Québec on traffic safety: interventions needed to reduce collisions and injuries - **Jose Ignacio Nazif-Munoz**	**Traditional Oral Session 32** Metal exposure and health outcomes Chairs: **Miranda Jones & Verónica Iglesias** 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 racial/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 Canchihuamán** Sentinel Surveillance for exposure to mercury and lead in children, Bogota, Colombia - **Cesar Alejandro Geney**	**Traditional Oral Session 33** Assessment and analysis of effects of external exposome Chairs: **Diana Marcela Marin Pineda & Samuel Fuhrimann** 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 particle exposome in low and middle-income countries: the Global Pesticide Research Network (PestRes) - **Samuel Fuhrimann**	**Flash Oral Session 33** Environmental health frontiers: addressing emerging challenges in air pollution Chairs: **Samuel Osorio & Veronica Vieira** 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 neighborhood 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 school children - **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**	**Flash Oral Session 34** Perspectives on environmental policy and public health Chairs: **Ruth Etzel & TBA** 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** 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**	**Virtual Session** **North & Latin America 6: Environmental stressors and health outcomes** Chairs: **Seulkee Heo, TBA** 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 loss of 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 JEI3 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 - **Thaliana Lameira Maciel Amaral**
17:45	18:00	ISEE 2025								
18:00	18:30	SNRN AWARDS and CLOSING CEREMONY								