



2023 NIEHS EHSCC MEETING

Agenda-Scientific Schedule

The agenda is scheduled in Houston time (CT)

Hosted by GC-CPEH
 Community Forum, October 16, 2023
 EHSCC Meeting, October 17 – 19, 2023
 The Westin Houston Medical
 Center/Museum District
 1709 Dryden Rd, Houston, TX 77030

Monday, October 16, 2023: Pre-Meeting Event – Community Forum (Draft)

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|--------------------|--|
| 8:00 am | Leave on shuttle bus. |
| 9:30 am – 11:00 am | Stop 1: Tour of Jones Rd. Superfund neighborhood |
| 11:30 am -12:45 pm | Lunch with Community Partners |
| 1:15 pm- 2:15 pm | Stop 2: Ship channel and adjacent neighborhoods. |
| 4:00 pm - 5:30 pm | Community Forum at the Houston Health Museum - <u>Sharon Croisant</u> and <u>Claire Hallmark</u> |

Tuesday, October 17, 2023

| | All | Science Section | CEC Team | Business Admin |
|----------------------|--|--|--|----------------------------|
| Session Organizer(s) | General Planning committee | | Sharon/Liam | Jennifer/Heyreoun |
| 10:00 am - 11:30 am | | | (TBA) CEC Welcome and Icebreaker | |
| 11:30 am - 1:00 pm | (Lobby) Registration & Poster setup - pick up welcome packet, credentials | | (TBA) Itineraries for CEC participants | |
| 12:00 pm -1:00 pm | (Ball Room) Lunch and Meet & Greet – Lunch Buffet | | | |
| 1:00 pm - 1:15 pm | (Ball Room) Conference Opening: GC-CPEH Director | | | |
| | Cheryl Walker | Gulf Coast Center for Precision Environmental Health (GC-CPEH) | | |
| 1:15 pm - 2:00 pm | (Ball Room) Opening Keynote (45 min) | | Title TBA | |
| | Speaker | Rick Woychik-confirmed | National Institute of Environmental Health Sciences | |
| | Chair | Cheryl Walker - confirmed | GC-CPEH | |
| 2:00 pm - 2:20 pm | (Lobby) Coffee Break | | | |
| 2:20 pm - 3:40 pm | (Ball Room) Plenary Session A – Environmental Contributions to Health Disparities: 4 Speakers, 20 min each (15+5) | | | (Room3) BA Session-TBA |
| | Chair | Gail S. Prins -confirmed | UIC CACHET | |
| | Co-Chair | Marsha Wills-Karp-confirmed | Hopkins CHARMED | |
| | 2:20-2:40 | Ami Zota-Confirmed | Population health scientist with expertise in environmental health, environmental justice, and maternal and reproductive health | Columbia N. Manhattan |
| | 2:40-3:00 | Kirsten Koehler-confirmed | Particulate Exposures in Inner-city Asthmatic Kids | Hopkins CHARMED |
| | 3:00-3:20 | Ayca Erkin-Cakmak-confirmed | Early-life exposure to persistent organic pollutants and cardiometabolic health in young adults from the CHAMACOS cohort | UCSF EaRTH |
| | 3:20-3:40 | Nicholas J. Spada-confirmed | Computer Vision and AI for Monitoring Mobile Sources in Front-Line Communities: A Case-Study Quantifying Air Quality Impacts from Coal-Carrying Trains in Richmond, CA | UC Davis EHSC |
| 4:00pm - 5:30 pm | (Lobby) Networking and Poster Session | | (Rooms 2) Shark Tank Talks | (Rooms 3) BA Networking |
| 5:30 pm - 6:00 pm | Shuttle Buses Depart Hotel for Reception at the Museum | | | |
| 6:00 pm - 9:00 pm | Reception at the Houston Museum of Natural Science Morian Hall of Paleontology - Heavy Hors d'oeuvres / Group Photo | | | |
| 8:30 pm - 9:30 pm | Shuttle Buses Depart Reception for Hotel | | | |

Wednesday, October 18, 2023

| | All | Science Section | Center Director | CEC | BA |
|---------------------|---|--|--|--|--|
| 8:30 am - 9:30 am | <i>(Ball Room & Lobby)</i> Breakfast and Poster Viewing- Continental breakfast | | | <i>(Room 2)</i> CEC Breakfast/Informational Session | |
| 9:30 am - 11:15 am | <i>(Ball Room)</i> Informational Workshop: Precision Environmental Health Initiatives: 4 Speakers, followed by a 15min Q&A session. At the end of the presentation, all speakers will be asked how their programs/tools benefit the community. | | | <i>(Room 2)</i> CEC Panel Sessions 1 | <i>(Room 3)</i> BA |
| | Chair | Claudia Thompson - confirmed | | NIEHS | |
| | Co-Chair | Elaine Symanski - confirmed | | GC-CPEH | |
| | 9:30-10:00 | ECHO (Environmental influences on Child Health Outcomes) | Matthew W. Gillman- confirmed | ECHO Director | |
| | 10:00-10:20 | NCI/NIEHS Cancer and Environment Cohort (CEEER) | Cathrine Hoyo - confirmed | NC State CHHE | |
| | 10:20-10:40 | Newborn Bloodspot Registries | Janine M LaSalle- confirmed | UC Davis EHSC | |
| | 10:40-11:00 | All of Us | Brisa Aschebrook- confirmed | UIC CACHET | |
| | 11:00-11:15 | 15min Q&A session with speakers | Facilitators: Claudia and Elaine Symanski | | |
| 11:15 am - 12:30 pm | <i>(Lobby)</i> Lunch- Lunch Buffet | | <i>(Room 1)</i> Center Directors Meeting with NIEHS Director Woychik | | <i>(Room 2)</i> Method Workshop |
| 12:30 - 1:30 pm | <i>(Lobby)</i> Poster Viewing (PV) | | Chairs/Organizers: Claudia Thompson /Liam O'Fallon | | <i>(Room 2)</i> PV |
| 1:30 pm - 3:50 pm | <i>(Ball Room)</i> Plenary Session B- ESI Spotlight: 7 ESI Speakers, 20 min each (15+5) | | | <i>(Room 2)</i> CEC Panel Session 2 | <i>(Room 3)</i> BA |
| | Chair | Susan Pinney - confirmed | | UC CEG | |
| | Co-Chair | Weston Porter- confirmed | | Texas A&M TICER | |
| | 1:30-1:50 | Nadine Kotlarz- confirmed | Characterizing community exposure to emerging, drinking water-associated per- and polyfluoroalkyl ether acids | NC State CHHE | |
| | 1:50-2:10 | Corina Lesseur Perez- confirmed | Maternal PFAS exposure and SARS-CoV-2 IgG antibody levels during pregnancy | Mt. Sinai HEALS | |
| | 2:10-2:30 | Donghai Liang- confirmed | Use of single- and multi-omics to measure internal exposures and investigate the molecular mechanisms accounting for the complex health responses to air pollution | Emory HERCULES | |
| | 2:30-2:50 | Shelly Alexandra Buffington- confirmed | Maternal genome-microbiome-environment interactions influence neurodevelopment and risk for neurodevelopmental disorders in offspring | GC-CPEH | |
| | 2:50-3:10 | Bambarendage Pini Perera- confirmed | Emerging roles of PIWI-interacting RNA in toxicogenetics research: sex- and tissue-specific molecular mechanisms associated with perinatal exposure to lead (Pb) | Michigan M-LEEaD | |
| | 3:10-3:30 | Georgios Kelesidis- confirmed | Global warming air pollutants: From mobile sources to wildfires | Rutgers CEED | |
| | 3:30-3:50 | Manuel Garcia-Jaramillo- confirmed | Protecting human health by applying novel approaches to assess urban and rural drinking water. | OSU Pacific Northwest | |
| 3:50 pm - 4:10 pm | <i>(Lobby)</i> Coffee Break | | | | |
| 4:10 pm - 5:30 pm | <i>(Ball Room)</i> Plenary Session C: Multi Omic Approaches to Precision Environmental Health: 4 Speakers, 20 min each (15+5) | | | <i>(Room 2)</i> CEC Roundtables | <i>(Room 3)</i> BA |
| | Chair | Dana Dolinoy - confirmed | | Michigan M-LEEaD | |
| | Co-Chair | Andrea Baccarelli - confirmed | | Columbia N. Manhattan | |
| | 4:10-4:30 | Jarek Meller- confirmed | Multomics Signatures of Cancer Progression in ccRCC | UC CEG | |
| | 4:30-4:50 | Carolyn Klinge- confirmed | Diet and Exposures to Polychlorinated Biphenyls Regulate the Liver Epitranscriptome in a Mouse Model of Metabolic Dysfunction-Associated Steatotic Liver Disease | U. Louisville CIEHS | |
| | 4:50-5:10 | Cristian Coarfa - confirmed | TBA | GC-CPEH | |
| | 5:10-5:30 | Douglas Walker - confirmed | TBA | Emory HERCULES | |
| 5:30 pm | Dinner on your own | | | | |

| Thursday October 19, 2023 | | | | |
|---|---|--|--|---------------------|
| | All | Climate/DR2 | BA | |
| 8:00 am - 9:30 am | <i>(Ball Room; Lobby)</i> Breakfast & Poster Viewing- Continental Breakfast | | | |
| 8:30 am - 9:30 am | <i>(Ball Room)</i> Climate Change/DR2 Breakfast: Challenges of Communicating the Findings of Climate Change/DR2 Research with Diverse Audiences | | | |
| | Facilitator 1 | Aubrey Miller confirmed | NIH | |
| | Facilitator 2 | April Bennett confirmed | NIEHS | |
| | Facilitator 3 | Stephen Linder confirmed | GC-CPEH | |
| 9:30 am - 10:50 am | <i>(Ball Room)</i> Plenary Session D: Climate Change, DR2 and Health:4 Speakers: 20 min each (15+5) | | | <i>(Room 3)</i> BA |
| | Chair | Trevor Penning -confirmed | UPENN CEET | |
| | Co-chair | Abi Oluoyomi -confirmed | GC-CPEH | |
| | 9:30-9:50 | Mary Rice -confirmed | Temperature, Air Pollution and Daily Respiratory Health among Older Adults with COPD Living in an Urban Environment | Harvard Chan Center |
| | 9:50-10:10 | Blanca Himes -confirmed | Assessing the Impact of Climate Change on Asthma Risk Factors in Environmental Justice Areas in Philadelphia | UPENN CEET |
| | 10:10-10:30 | Keith Bein -confirmed | Wildfire Toxicology: Fingerprinting Chemo-Toxicological Triggers in Wildfire Emissions | UC Davis EHSC |
| | 10:30-10:50 | Judy Westrick Confirmed | How a VOC Community Monitoring Project led to Emergency Readiness in the East Palestine, Ohio Train Derailment. | Wayne CURES |
| 10:50 am - 11:15 am | <i>(Lobby)</i> Coffee Break & Take Down Posters | | | |
| 11:15 am- 12:00 pm | <i>(Ball Room)</i> Closing Keynote (45 min) | | Tentative Title: Insights in AI: Medicine and Public Health | |
| | Speaker | Thomas Hartung - confirmed | Hopkins CHARMED | |
| | Chair | Kees Elferink - confirmed | GC-CPEH | |
| 12:00 pm – 12:30 pm | <i>(Ball Room)</i> 2024 EHSC Meeting Announcement and Closing Thoughts | | | |
| | Cheryl Walker confirmed | GC-CPEH | | |
| | TBA | The 2024 EHSC Meeting's Hosting Center Director (TBA- Claudia, Liam) | | |
| 12:30 pm – 1:00 pm | <i>(Lobby)</i> Boxed Lunch, Take Down Posters | | | |
| Special Climate Change/DR2 Workshop Session | | | | |
| | Chair | Aubrey Miller -confirmed | NIH | |
| | Co-chair | Abi Oluoyomi -confirmed | GC-CPEH | |
| 1:00 pm - 1:20 pm | Selected ESI Flash Talks (10 min each) | | | |
| | Welcome/Intro | Abi Oluoyomi Confirmed | GC-CPEH | |
| | 1:00-1:10 | Kim Honghyok Confirmed | A triple threat in climate change: is the effect of heat waves on cause-specific mortality intensified by particulate matter and ozone exposure? | UIC CACHET |
| | 1:10-1:20 | Dongying Li Confirmed | A meta-analysis of Climatic and meteorological factors and mental health: recent progress and remaining questions | Texas A&M TICER |
| 1:20 pm - 2:10 pm | Panel Discussion 1: The BIG 4 – Hurricanes, Storms, Extreme Heat, and Wildfires 4 Panelists – Panelists' initial remarks (5 min each; Total=20 min) followed by 30 min. moderator-guided discussion. | | | |
| | Co-Chair | Marilyn Howarth- <i>representing CCH</i> confirmed | UPENN CEET | |
| | Co-Chair | Brian Buckley- <i>representing DR2</i> confirmed | Rutgers CEED | |
| | Panelist 1 | Irva Hertz-Piccio (Tentative) | UC Davis EHSC | |
| | Panelist 2 | Perry Hystad confirmed | OSU Pacific Northwest | |
| | Panelist 3 | Elizabeth Stone confirmed | UIOWA, EHSRC | |
| | Panelist 4 | Deborah Watkins confirmed | Michigan M-LEEaD | |
| 2:10 pm - 2:15 pm | Transition (10 min) | | | |
| 2:15 pm - 2:40 pm | Open Forum, 25min: Free-flowing suggestions from the audience about how to enhance the productivity of the CCH / DR2 community of practice across the NIH institutes. | | | |
| | Chair | Stephen Linder confirmed | GC-CPEH | |
| 2:40 pm - 3:30 pm | Panel Discussion 2: Effective Disaster Response and Adapting to Climate Change 4 Panelists – Panelists' initial remarks (5 min each; Total=20 min) followed by 30 min. moderator-guided discussion | | | |
| | Panelist 1 | Erin Haynes confirmed | UK CARES | |
| | Panelist 2 | Nicholas Newman confirmed | UC CEG | |
| | Panelist 3 | Kathleen M. Vandiver confirmed | MIP CEHS | |
| | Panelist 4 | Jeremy Hess (Tentative) | UW EDGE Center | |

| Planning Committee for the 2023 NIEHS EHSCC Meeting | | | | | |
|---|---|-------------|--|-------------------|--|
| | Name (*Co-chairs) | Institution | Center Name | Center Role | Email |
| 1 | Claudia Thompson | NIEHS | | | thomps01@niehs.nih.gov |
| 2 | Liam O'Fallon | NIEHS | | | ofallon@niehs.nih.gov |
| 3 | Cheryl Walker* | BCM | Gulf Coast Center for Precision Environmental Health (GC-CPEH) | Director | Cheryl.Walker@bcm.edu |
| 4 | Kees Elferink* | UTMB | GC-CPEH | Co-Director | coelferi@utmb.edu |
| 5 | Andrea Baccarelli* | Columbia | NIEHS Center for Environmental Health and Justice in Northern Manhattan | Director | ab4303@cumc.columbia.edu |
| 6 | Dana Dolinoy* | UMICH | Michigan Center on Lifestage Environmental Exposures and Disease (M-LEEaD) | Director | ddolinoy@umich.edu |
| 7 | Elaine Symanski | BCM | GC-CPEH | Deputy Director | Elaine.Symanski@bcm.edu |
| 8 | Sharon Croisant, <i>CEC Forum Organizer</i> | UTMB | GC-CPEH | CEC Director | spetrone@utmb.edu |
| 9 | Lea Steele | BCM | GC-CPEH | CEC Co-Director | Lea.Steele@bcm.edu |
| 10 | Stephen Linder | UTHealth | GC-CPEH | CEC Co-Director | Stephen.H.Linder@uth.tmc.edu |
| 11 | Abi Oluyomi, <i>Climate/DR2 Organizer</i> | BCM | GC-CPEH | LDP/Navigator | Abiodun.Oluyomi@bcm.edu |
| 12 | Heyreoun An Han | BCM | GC-CPEH | Administrator | heyreoun.anhan@bcm.edu |
| 13 | Irva Hertz-Picciotto | UC Davis | UC-Davis Environmental Health Sciences Core Center (EHSC) | Director | iher@ucdavis.edu |
| 14 | Janine M LaSalle | UC Davis | EHSC | Deputy Director | jmlasalle@ucdavis.edu |
| 15 | Judy van de Water | UC Davis | EHSC | Pilot Co-Director | javandewater@ucdavis.edu |
| 16 | Gail S Prins | UIC | ChicAgo Center for Health and Environment (CACHET) | Director | gprins@uic.edu |
| 17 | Susan Pinney | UC | Center for Environmental Genetics (CEG) | Director | PINNEYSM@UCMAIL.UC.EDU |
| 18 | Tracey Woodruff | UCSF | UCSF Environmental Research and Translation for Health Center (EaRTH Center) | Director | Tracey.Woodruff@ucsf.edu |
| 19 | Xin Hu | Emory | HERCULES: Health and Exposome Research Center at Emory | Center Member | xin.hu2@emory.edu |
| 20 | Weston Porter | TAMU | Texas A&M Center for Environmental Health Research (TICER) | Director | wporter@cvm.tamu.edu |