

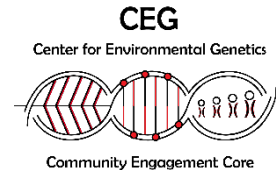


Community Engagement Core

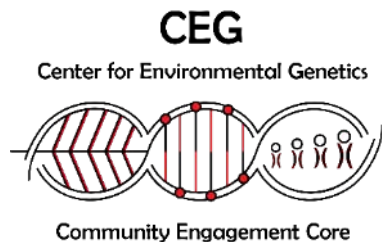
Stakeholder Advisory Board Meeting

April 16, 2021

Center for Environmental Genetics



AGENDA



- Housekeeping
- Welcome from Dr. Pinney, CEG Director
- Introductions from SAB members
- New members
- Recap and update from November Meeting
- Discussion of role of CEC
- Presentation: Air Pollution and Fetal Growth – Percy
- Short Break
- NIEHS Community Forum – Pinney
- Introduce Environmental Justice – Newman
- Overview of UC Social Justice projects on West Campus – Hyland
- Breakout rooms to reflect on questions
- Reconvene and discuss questions
- Closing - Newman

INTRODUCTIONS



Nick Newman, DO, MS
CEC Director
Cincinnati Children's
Hospital Medical Center
University of Cincinnati



Michelle Burbage, PhD
CEC Co-Director
University of Cincinnati



Angela Larck, MSOL
CEC Program Manager
University of Cincinnati

INTRODUCTIONS

1. Name

2. Affiliation

3. Projects – pick your preferred question

1. What is something new or exciting happening within your organization?
2. What is a recent accomplishment that you are proud of?



Melinda
Butsch
Kovacic –
We Engage
4 Health

Stories for learning more about the coronavirus, COVID-19, and vaccines:

Coping with COVID-19

Teenage asthma patient, Jazzy, has a telemedicine visit with Dr. Breeze. Jazzy asks about coronavirus, COVID-19, and her risks as an asthma patient. Dr. Breeze gives Jazzy information in an easy to understand way.



Vaccine Victory

Pops, Vito, and Big Sam enjoy a socially distanced community picnic while learning about how vaccines create immunity to diseases.



Making the Most of Masks

Jazzy's tired of wearing masks, but her mom encourages her to keep it up and adds some fun with cute new masks for her. Jazzy forgets to wash her new masks after wearing at school for a week, so she and mom wash them together.



Take Your Best Shot

Miss Georgia is worried about getting a COVID-19 vaccination. Pops and Jazzy help Miss Georgia learn about why getting a COVID-19 vaccine is safe and how getting it will protect her and those around her.



Activity Stories

Soap Surprises

Jazzy and her mom discover why washing with soap and water is the number one way to get rid of coronavirus —and any other germs — on your hands.

Foamy Soap Fun

Jazzy and her mom continue exploring the properties of soap

RAP RECOGNIZE our health needs ▶ ASK questions ▶ PROMOTE healthy actions

www.WeEngage4Health.life



SCIENCE of WHY Cincinnati groups can request free printed storybooks at <https://WE4H.life/best-shot#bestshotrequest>

Submitting “Cincinnati COVID-19 Literacy Champions” to Biden’s Advancing Health Literacy to Enhance Equitable Community Responses to COVID-19 RFP. Program has 10 community partners in high SVI areas and will use WE4H stories to educate and facilitate meaningful community discussions around COVID.

Check out our
2 workshops & 2 posters
at the CitSci Virtual
Conference in May!

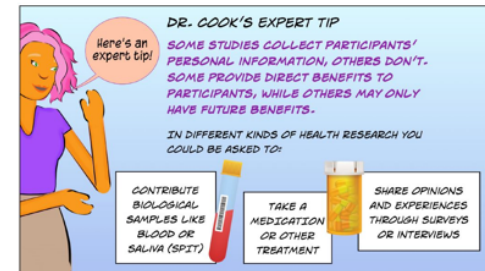
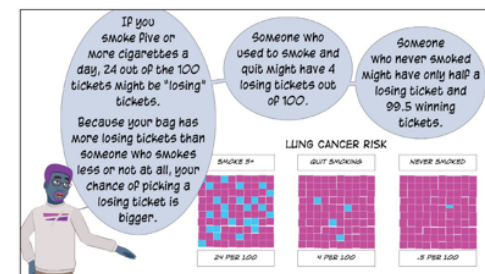


Community Research Advocates (CRAs): Research Ready Program



- An outreach program offered by CRAs to community members to help them become “Research Ready”.
- CRAs are community representatives with a personal connection to communities and/or specific diseases
- CRAs share the Research Ready story which explains what research is, how research participants are protected, and the critical value of having people of all backgrounds participate.
- CRAs can work with traditionally trained researchers to help them tailor their community messaging, expand populations.
- Awarded funding from UCCC COE/Urban Health to create a cancer-focused Research Ready CRA program

Melinda
Butsch
Kovacic –
We Engage
4 Health



NEW SAB MEMBERS

- Jack Rubinstein, MD, FACC
 - University of Cincinnati
- Kim Yolton, PhD
 - Cincinnati Children's
- Bob Hyland, MA
 - University of Cincinnati



Jack Rubinstein MD, FACC

50% Research

University of Cincinnati
(NIH/AHA)

- Gene-Environment Interactions in the Fetal Origin of Adult Cardiac Disease
- Endocrine Disruptors and Heart Health

Cincinnati VAMC (CSRD)

- Repurposing Probenecid for IV Treatment of Acute Decompensated Heart Failure (ADHF)

50% Clinical

University of Cincinnati

- Outpatient
- Echocardiography
- Teaching attending

Cincinnati VAMC

- Inpatient
- Outpatient
- Noninvasive
- Echocardiography
- Teaching attending

50% Administrative

University of Cincinnati

- Director, Physician Scientist Training Program and IMSTAR
- PI, R38, Stimulating Access to Research in the University of Cincinnati Internal Medicine Residency Program
- Program Leader, IHSF Core, CEG

Cincinnati VAMC

- Director, Clinical Research Unit

KIMBERLY YOLTON, PHD

kimberly.yolton@cchmc.org

- Professor of Pediatrics, and Environmental & Public Health Sciences
- Director of Research, Division of General & Community Pediatrics
- Associate Director, General Pediatrics Research Fellowship
- Developmental psychologist
- Research focus: Exposures and experiences that may alter the trajectory of development across childhood
- MPI of HOME Study – Longitudinal pregnancy/birth cohort examining exposure to ~100 environmental toxicants on child health and neurobehavior from infancy to young adulthood
- MPI of newly funded C4 study combining HOME with CCAAPS
- Collaborate on studies of maternal stress and opiate exposure during gestation
- Consult regarding assessment of neurobehavioral outcomes from infancy through adulthood for multisite and single site studies



RECAP OF CEC AIMS

CEC *Target Audiences*: community members, healthcare professionals, policy makers.

Community is a unit of identity.



Residents within a town



An ethnic or cultural population



Set of workers

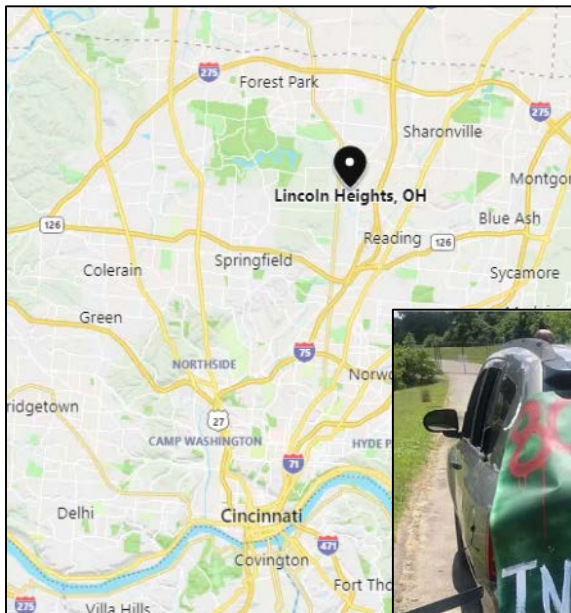


Apartment building residents

CEC Aims

1. Increase awareness and understanding of CEG research for *target audiences*.
2. Develop and facilitate community-engaged (CEnR) research partnerships between CEG members and *target audiences*.
3. Advance the field of community engagement in environmental health.

CEC NEW DEVELOPMENTS



Credit: Heights Movement <https://theheightsmovement.org/cpdgunrange>

Lincoln Heights

- 1st majority African-American, self-governing municipality north of the Mason-Dixon line.
- Borders a Cincinnati Police Department Firearms Training Center – 80 years
- Concern: Lead exposure to children along “fence line” of firing range
- Partners: Heights Movement, St. Simon of Cyrene Episcopal Church, Princeton City School District, University of Cincinnati
- Episcopal Church’s *Creation Care and Environmental Justice* Grant due today, April 16th.

Green Loop

Relationship between CEC & Community

- Build trust
- Gain awareness (needs, questions, EH concerns, skills, knowledge, etc)
- Share information (re: Center and re: community)
- Establish foundation/groundwork for collaborative efforts
- Build capacity for community-led/cit.sci. projects

Yellow Loop

Interaction between CEC & Center (members)

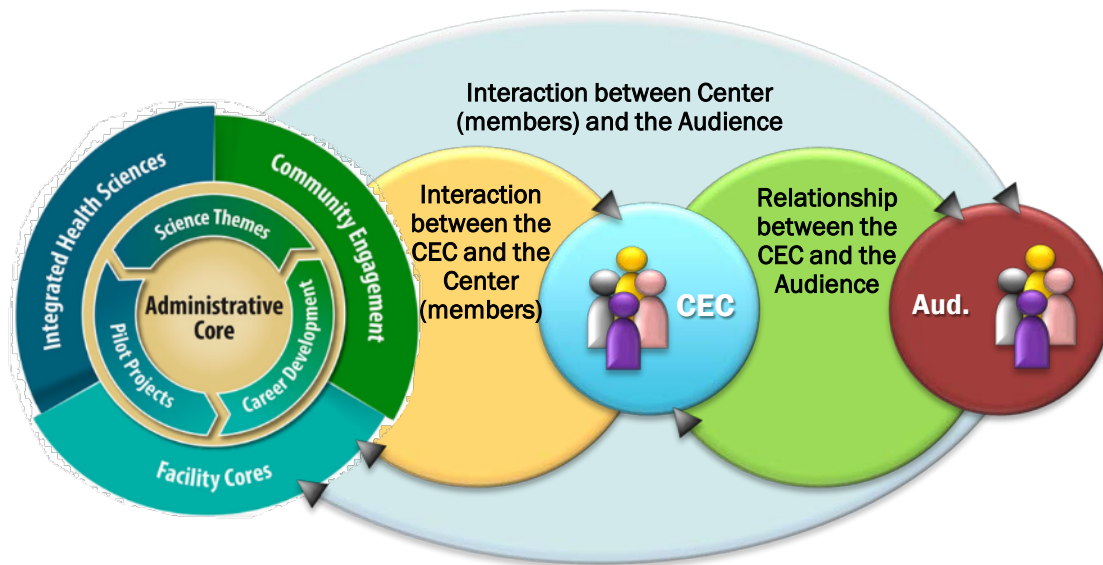
- Increase awareness of community questions/context
- Identify Center “assets” to address/meet community questions
 - Could include making connections between community groups and Center member(s)
- Identify gaps/opportunities within the Center (may include community participation in these discussions)

Light Blue Loop

Interaction between Center (members) & Community

- Center member(s) responding to community questions/concerns, which could include:
 - CEnR through pilot, career development, IHSFC, other
- CEC role could include Technical Assistance or Capacity building for Center member & residents
 - Enable/promote proper CEnR
 - Ensure sustainability
 - Promote communication/reporting back of results

The Role of the Community Engagement Core



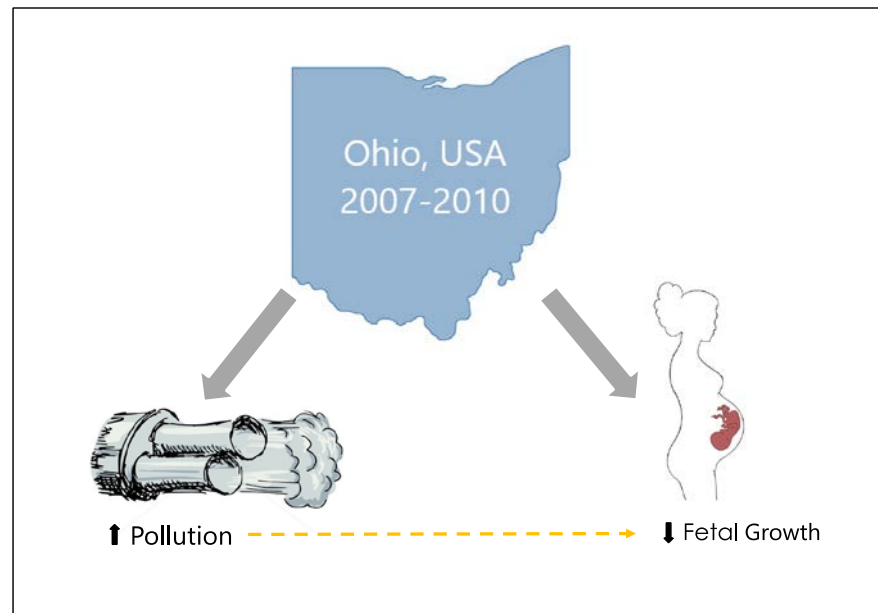
CEG RESEARCH – LAY ABSTRACT

Trimester specific PM2.5 exposure and fetal growth in Ohio, 2007–2010



Zana Percy is a student in UC's Medical Science Training program (PhD + MD). She has studied under many current and past CEG members, including Aimin Chen, former CEG Co-Director.

Full peer-reviewed article can be found here:
<https://doi.org/10.1016/j.envres.2019.01.031>



BREAK!



NIEHS
Community
Forum
Opportunity –
Fall 2021



National Institute of Environmental Health Sciences
Your Environment. Your Health.

WHAT IS ENVIRONMENTAL JUSTICE?

“...the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation and enforcement of environmental laws, regulations and policies.”
– US EPA

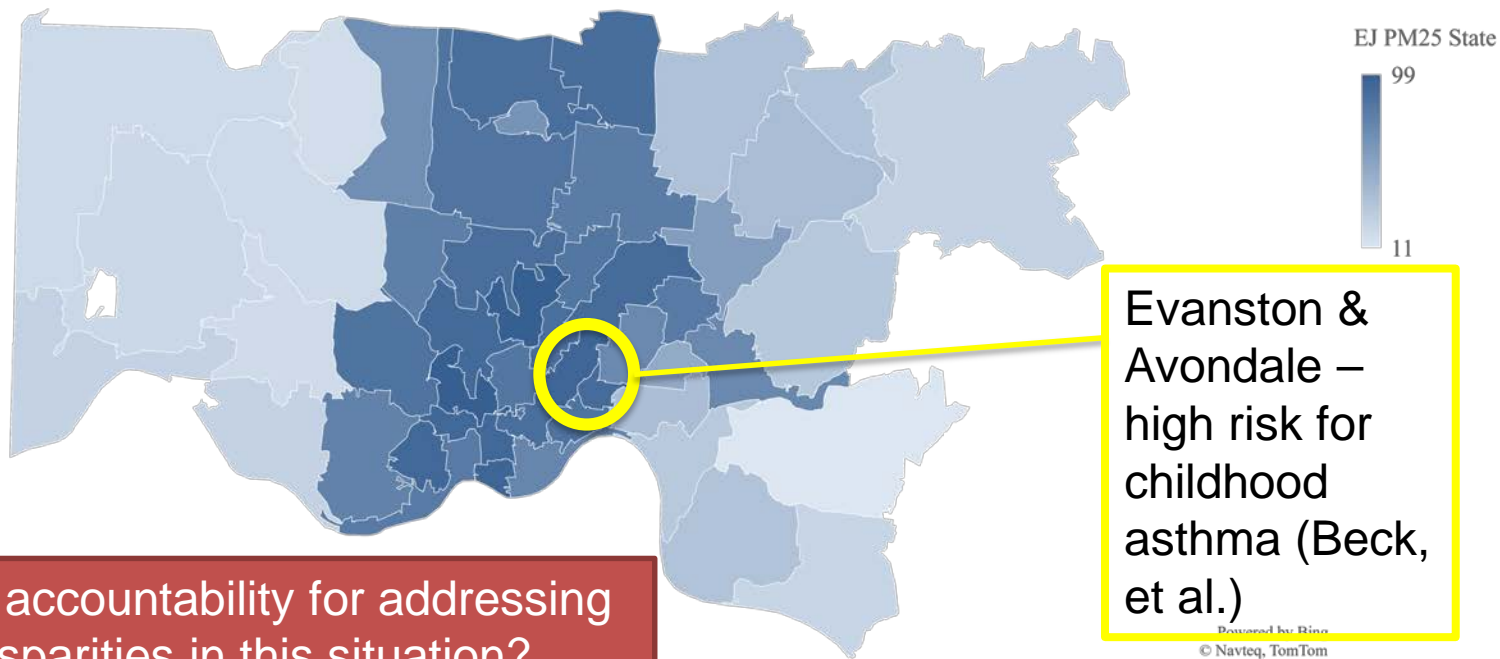
<https://www.epa.gov/environmentaljustice/learn-about-environmental-justice>

ENVIRONMENTAL INJUSTICE IS COMMON

- Toxicant exposures tend to occur in neighborhoods with lower SES & high minority populations
 - Lead
 - Air pollution
 - Toxic sites
- Example diseases
 - Childhood lead poisoning
 - Coronary heart disease
 - Asthma

Looking at it locally

Race-Income-Air Pollution Relationships Hamilton County, OH



What is the accountability for addressing the racial disparities in this situation?



Environmental Justice

Case Studies of Community Partnerships, Research,
and Undergraduate Scholarship in the EJ Space

Background

- Late 90s: direct action work River Valley Schools, WTI Toxic Waste Incinerator, and Steel Plant
- Housing, lead, gentrification in over-the-rhine
- Treatment Technology Evaluation Branch — U.S. EPA
- Creating Healthy Community Coalition — Cincinnati Health Department
- Rhetoric and Professional Writing
 - Environmental Writing (4093), Scientific Writing in the Behavioral Sciences (3062), Intro to Environmental Writing (2193), Writing for Justice (2073)

Ongoing EJ Projects

- Equity in Access to Greenspace
- Sustainable Urban Agriculture and Community Building
- Justice and Relief from Exposure to PFAS in Clean Cape Fear River Basin
- Community Perceptions of Pollution Study in a Fenceline Community
- Environmental Justice and Advocacy Interdisciplinary Curriculum Development

Equity in Access to Greenspace

- Partner with Rockdale Academy and Preserve Burnet Woods
- Provide opportunity for underserved youth to experience and learn in greenspace
- Listen to and follow the lead of CRC and STEM instructor at Rockdale
- Collective Impact UC > Rockdale > PBW
- Nearly 100 engaged youth
- Approx. 40 engaged undergrads



Sustainable Urban Ag and Community Building

- Partner with Gamble Montessori and Enright Urban Ecovillage
- Provide capacity building for Enright and mentorship for youth
- Respond to Gamble Montessori faculty member's request for programming
- Authored capacity-building grant proposal for Enright
- Over 100 hrs. service to Enright
- Field trips/access to produce
- Collective Impact UC > Gamble > Enright



Justice and Relief from PFAS exposure

- Serve the Clean Cape Fear (CCF) group in North Carolina
- Conducted discovery meeting with CCF leadership to *listen*
- Developed and executed a petition to regulate PFAS as a class
- Building long-term partnership to support CCF
- Building on EJAS 2021, a national symposium with nearly 200 attendees

PETITION BY



UC JUSTICE WRITERS

Cincinnati, Ohio

Fenceline Research

- Partnering with Ohio Sierra Club and The Cincinnati Project
- Canvassing residents of fenceline neighborhoods to assess perceptions of health and property risks from source pollution
- CBPR: working with community members from inception through completion
- Participant compensation
- Two undergraduate RAs



Photo Credit: WCPO

Interdisciplinary EJ Curriculum at UC

- Awarded Interdisciplinary Faculty Team Development Grant
- Founded the EJ&A Task Force of 20+ Members
- Developing curriculum that will appeal to a wide range of students and prepare them for a wide range of professions in EJ work
- Listening to practitioners, the community, policy makers to develop effective curriculum responsive to the state of the EJ field
- EJAS 2021



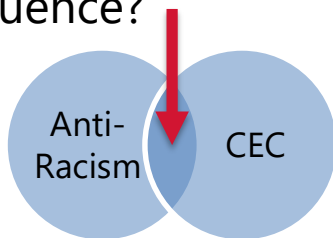
Takeaways from Cases of EJ Work

- **Listening:** shifting the *savior* paradigm to a *service* paradigm
- **Removing:** the town/gown barrier, stigma, and constraints
- **Shifting:** our perceptions of who is an expert
 - Testimonial justice
 - Hermeneutic justice
- **Engaging:** with members of the community from concept to completion (CBPR), and creating interdisciplinary spaces/action
- **Expanding:** our impact by pursuing collective approaches to the work
 - University > Community Stakeholders > NGOs > Undergraduates

ENVIRONMENTAL JUSTICE - BREAK OUT SESSION

Questions

1. What are the opportunities for action within the CEC's sphere of influence?



2. How will we hold ourselves accountable to the change/impact we seek?



PCB landfill protest in Afton, North Carolina, September 1982. (Jerome Friar/UNC Libraries)

CLOSING

- Summary from today's meeting
- Revision of Mission-Vision
- Next meeting ~6 months
- Thank you for coming today!