

Duke University Superfund Research Center: Research Translation and Community Engagement Cores



Who We Are



Charlotte Clark

RTC Director



Elizabeth Shapiro-Garza

CEC Director



Chiara Klein

Community Engagement Program Coordinator



Sam Cohen

Senior Program Coordinator

Research Translation Core

Mission

- Translate the science of the Center for impacted communities and broader stakeholder networks
- Provide RT/CE training and support for Center personnel
- Promote the work of the Center to the broader public

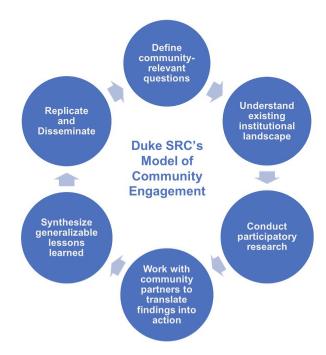




Community Engagement Core

Mission

Promote and support bidirectional communication between the Center and impacted communities



Prior work (2017-2022)

Recapping RTC: Translating Research

Some of our stakeholders



















Recapping RTC: Training and support

- DC trip 2018
- Communicating Science to Policymakers
- Media Training 101
- Designing academic posters
- Narrative and storytelling in communicating science







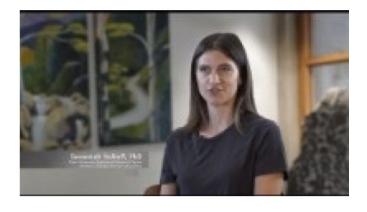
Congratulations to our graduate student, Sam Murphy, for winning 1st place in the graduate student poster competition at SETAC this year!





Recapping RTC: Promoting the Center's work

- Websites
- Social media
- Newsletters
- Blogs
- Videos



Welcome to the Duke Superfund Spring 2022 Newsletter!



Honors and Awards

Kate Hoffman awarded \$3.4 million NIH grant to study how early-life exposure to SVOCs affect immune function



Kate Hoffman was <u>awarded</u> a \$3.4M grant from the National Institute of Health's Stephen L. Katz Early-Stage Investigator Research <u>grant program</u>. Dr.



Recapping CEC: Subsistence fish consumption



Partners

- Cape Fear River Watch & NC Coastal Federation
- NAACP of New Hanover County
- County public health departments
- NC WRC, NC DMF, and NC DHHS

Do you eat fish from the Cape Fear River?











Selected Outcomes

- New fish consumption advisories based on our sampling and collaboration with DHHS
- Increased understanding and awareness of subsistence fish consumption patterns in LCFR
- Widely shared materials/messages encouraging safer fish consumption practices





Recapping CEC: Gardening and soil contamination



Partners

- NC Cooperative Extension
- NC garden partners





Selected Outcomes

- Created decision tool for gardeners and 4-part video series on soil contamination and steps gardeners can take to limit exposure and potential health risks
- Sampled and tested soil at 8 community gardens across the state and reported back results
- Various Duke CEC materials are now hosted on NC Coop Extension website
- Train-the-trainer for master gardeners on soil contamination topics





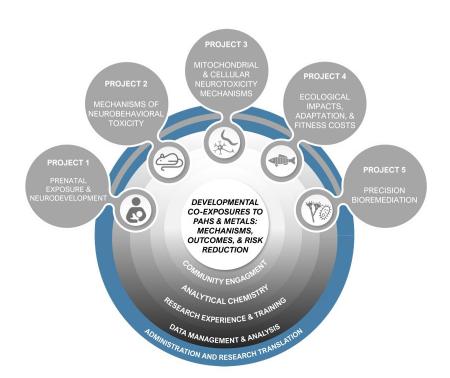


Current work (2022-2027) & What we can offer

Research Translation

Aims:

- Communicate research and engage beyond the Center and facilitate effective research application
- Build Center Investigator and Trainee capacity for timely and effective science communication and research translation

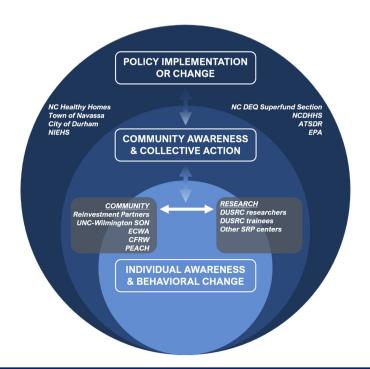




Community Engagement Core

Aims

- Promote awareness and self-efficacy to reduce exposure to PAHs and metals among HOPE 1000 pregnancy cohort in Durham, NC
- Foster community level awareness of and capacity to address early life exposures via Environmental Health Academies (Durham + SE North Carolina)
- Build capacity of impacted communities to assess and use EH data to promote policies and practices aimed at reducing early life exposures





CEC: Suite of educational offerings

- In-school curriculum
- Hands-on activities for events
- Webinars/lectures
- Longer-term community science project

Topics:

- In-home contamination
- Contaminants in water
- Subsistence fish consumption
- Garden soil





Thank you!

Please visit our website to access materials and further resources: https://sites.nicholas.duke.edu/superfundcec/

And please reach out with any inquiries: Chiara Klein, Program Coordinator, cak69@duke.edu

