

# BREAK THE CYCLE **11**

**BREAK THE CYCLE OF ENVIRONMENTAL HEALTH DISPARITIES**

**APRIL 18-19, 2016**

ROLLINS AUDITORIUM, 1ST FLOOR  
HEALTH SCIENCES RESEARCH BUILDING, EMORY UNIVERSITY  
1760 HAYGOOD DRIVE NE, ATLANTA, GEORGIA 30322

A PROJECT OF:

Southeast Pediatric Environmental Health Specialty Unit at Emory

Innovative Solutions for Disadvantage & Disability

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**Break the Cycle of Environmental  
Health Disparities **11****

**MONDAY APRIL 18, 2016  
8:30AM - 5:00PM**

**Community Engagement:  
Making a Visible Difference  
in Promoting Health and Wellbeing**

**TUESDAY APRIL 19, 2016  
8:30AM - 12:00PM**

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# MONDAY APRIL 18, 2016

## 8:00 AM REGISTRATION & BREAKFAST

### 8:30 AM OPENING OF PROGRAM

Robert Geller MD, Director, Southeast PEHSU, Professor of Pediatrics, Emory University, Atlanta, GA

### 8:40 AM MESSAGE FROM THE ATSDR

Michael Hatcher, DrPH, Chief, Environmental Medicine Branch, Division of Toxicology and Human Health Sciences, ATSDR, CDC, Atlanta GA

### 8:50 AM MESSAGE FROM THE EPA

Latisha P. Mapp, Acting Director, Program Implementation and Coordination Division, United States EPA Office of Children's Health Protection, Washington DC

### 9:00 AM MESSAGE FROM THE AAP

Jerome A. Paulson, MD, Medical Director, Pediatric Environmental Health Specialty Units – Eastand Medical Director, AAP Initiative on Climate Change and Health

### 9:10 AM INTRODUCTION TO BREAK THE CYCLE

Leslie Rubin, MD, Director, Break the Cycle Program, Associate Professor, Morehouse School of Medicine, President, ISDD, Atlanta GA

### 9:45 AM ACCESS TO EARLY INTERVENTION SERVICES FOR PRETERM SURVIVORS

Marie Feffermen, student, Dr. Bree Andrews and Dr. Michael Msall, mentors, University of Chicago, Department of Pediatrics

### 10:05 AM BARRIERS TO BLOOD LEAD SCREENING PRACTICES AMONG HEALTHCARE PROVIDERS

Jennifer Ross, student, Dr. Nicholas Newman, mentor, University of Cincinnati, College of Medicine, Department of Environmental Health

### 10:25 AM REVISITING FLINT MICHIGAN: AN ISSUE OF HEALTH DISPARITIES

Robert Geller, MD

## 10:40 AM HEALTH BREAK

### 11:00 AM AN ECOLOGICAL MODEL OF HEALTHCARE DISPARITIES FOR POOR CHILDREN IN THE SOUTH

Kammy Kuang, student, Dr. David Wood and Dr. Kiana Johnson, mentors, East Tennessee State University, Department of Pediatrics

## KEYNOTE SPEAKER

### 11:20 COMMUNITY ENGAGEMENT: A FRAMEWORK FOR SCIENCE THAT MATTERS

Community engaged research is in many ways very traditional and in others- radically novel. It uses community building principles of cooperation, commitment, dialogue and negotiation of shared values to drive science into areas of health disparity research and other unsolved health problems of our time.

Linda A. McCauley, RN, PhD, Dean and Professor, Nell Hodgson Woodruff School of Nursing, Emory University, Atlanta GA

## **12:00 PM LUNCH**

### **1:30 PM HEALTH VULNERABILITIES OF UTAH'S IMMIGRANT CHILDREN: BREAKING THE CYCLE**

Grant Holyoak and Morgann Holyoak, students, Dr. Courtney Flint, mentor, Utah State University, Department of Sociology, Social Work and Anthropology (Grant), Department of Education and Human Services (Morgann)

### **1:50 PM ADDRESSING SOCIAL DETERMINANTS OF HEALTH AT A FEDERALLY QUALIFIED HEALTH CENTER**

Caroline Hensley, student, Dr. Kelley Carmelli, mentor, University of Cincinnati, Public Health Sciences Department of Environmental Health

### **2:10 PM MOMMY--A MATERNAL SURVEILLANCE SYSTEM**

Júlia Carmona Almeida Chaves, student, Dr. Enrique Cifuentes, mentor, University of Sao Paulo Medical School, Department of Computer Science and Mathematics

### **2:30 PM SCHOOL READINESS IN YOUNG CHILDREN**

Ellen Litkowski, student, Dr. Ann Kruger, mentor, Georgia State University, Department of Educational Psychology and Special Education

## **2:50 PM HEALTH BREAK**

### **3:30 PM LEARN, EAT, GROW: HEALTHY LIVING INITIATIVE**

Maya Bornstein, student, Dr. Melissa Pirkey, mentor, Emory University, Department of Sociology

### **3:50 PM ASSESSING THE HEALTH OF GRANDPARENTS WHO RAISE GRANDCHILDREN WITH DISABILITIES**

Kelly Brown, student, Dr. Lilly Immergluck, mentor, Morehouse School of Medicine, Department of Clinical Research

### **4:10 PM I WAS SCARED OVER THERE--FAMILY WELLBEING AFTER RELOCATION FROM A DISTRESSED PUBLIC HOUSING DEVELOPMENT**

Kirstin Frescoln, student, Dr. Mai Nyugen, mentor, the University of North Carolina at Chapel Hill, Department of City and Regional Planning

### **4:30 PM ART WORKS: CONVERTING ISSUES INTO ART**

Paul Nyugen, student, Dr. Caleb Peng, mentor, Emory University

### **4:50 PM REVIEW AND CONCLUSION**

Leslie Rubin, MD

### **5:00 PM ADJOURN**

## TUESDAY APRIL 19, 2016

### **8:30 AM INTRODUCTION**

Leslie Rubin MD, Director, Break the Cycle Program, Associate Professor, Morehouse School of Medicine, President, ISDD, Co-director Southeast PEHSU, Atlanta GA

### **8:50 AM COMMUNITY ENGAGEMENT ADDS VALUE TO ENVIRONMENTAL HEALTH SCIENCE AT EMORY**

Melanie A. Pearson, PhD, Director of Community Engagement, Michigan PBB Registry, HERCULES – Emory's Environmental Health Research Center, Rollins School of Public Health, Emory University, Atlanta GA

### **9:10 AM ENGAGING YOUTH IN COMMUNITY-ENVIRONMENT RESEARCH**

Courtney G. Flint, Ph.D. Associate Professor Dept of Sociology, Social Work & Anthropology, Utah State University, Logan UT

### **9:30 AM POSITING CHANGE IN LIVES THROUGH EVIDENCE-INSPIRED, UNITED ACTION AND COMMUNITY SERVICE (PLUS)**

Carol J. Rowland Hogue, PhD, MPH, Jules & Uldeen Terry Professor of Maternal and Child Health, Professor of Epidemiology, Director, Women's and Children's Center, Rollins School of Public Health, Emory University, Atlanta GA

### **9:50 AM CHALLENGES TO WORK GROUPS**

Leslie Rubin, MD

### **10:00 AM HEALTH BREAK**

### **10:15 AM GROUP DISCUSSIONS**

### **11:00 AM FEEDBACK FROM GROUPS AND CONCLUSION**

### **12:00 PM ADJOURN**

## **GUEST PRESENTERS:**

### **LINDA A. MCCAULEY RN, PHD, FAAN, FAAOHN, DEAN AND PROFESSOR, NELL HODGSON WOODRUFF SCHOOL OF NURSING, EMORY UNIVERSITY, ATLANTA GA**

Linda A. McCauley is dean of the Nell Hodgson Woodruff School of Nursing. Dr. McCauley has special expertise in the design of epidemiological investigations of environmental hazards and is nationally recognized for her expertise in occupational and environmental health nursing. Her work aims to identify culturally appropriate interventions to decrease the impact of environmental and occupational health hazards in vulnerable populations, including farm workers and young children. She has been widely published in the fields of nursing and environmental health. She is a sought-after speaker and has been featured in national publications and broadcasts including Time, Business Week, the Atlanta Journal-Constitution, NPR, and the Weather Channel. Dr. McCauley is a member of the Institute of Medicine, she is active on the Membership Committee, Environmental Health Roundtable and the Board of Population Health. She currently serves as a member of the National Advisory Environmental Health Sciences Council. She also is a fellow of the American Academy of Nursing and the American Academy of Occupational Health Nurses

### **MELANIE A. PEARSON, PHD, DIRECTOR OF COMMUNITY ENGAGEMENT, MICHIGAN PBB REGISTRY, HERCULES – EMORY'S ENVIRONMENTAL HEALTH RESEARCH CENTER, ROLLINS SCHOOL OF PUBLIC HEALTH, EMORY UNIVERSITY, ATLANTA GA**

Melanie Pearson received her bachelor's degree from Clemson University and her graduate degrees from the University of Missouri-Columbia. She began working as an environmental scientist at Emory University, managing two longitudinal environmental exposures studies, publishing scholarly articles, and working with a local community to address environmental concerns and implement an alternative approach to pesticide applications for their municipal sports fields. Through this work, Dr. Pearson developed a strong interest in community-engaged research, playing a primary role in implementing and conducting community-based initiatives for three NIH-funded research centers. She currently works with a state-wide community of farmers, former chemical workers, residents, and their children who continue to suffer from an industrial mix-up that led to polybrominated biphenyls (PBB) being mixed into livestock feed, resulting in the contamination of food products distributed throughout the state of Michigan in the 1970s. This work has led to in-depth engagement with the community surrounding the former chemical plant responsible for both the industrial mix-up as well as waste practices that continue to plague the community with three Superfund sites. This collaboration with the affected community, a local non-profit, a district health department, and the research team has led to four additional research grants.

Dr. Pearson also co-leads the Community Outreach and Engagement Core of the Emory HERCULES Exposome Research Center for which she has developed strategies to engage the local Atlanta community with the dual-purpose of strengthening the Atlanta community in its capacity to address its environmental health concerns and to create a feedback system so that the community's concerns and ideas are shared with the scientists and integrated into the exposome concept. To this end, HERCULES offers a community grants program, a technical assistance program, and direct interaction between HERCULES scientists and community members. A highly engaged, 30 plus member Stakeholder Advisory Board (SAB) guides core activities via quarterly board meetings interspersed with smaller, focused SAB workgroups.

**COURTNEY G. FLINT, PH.D. ASSOCIATE PROFESSOR DEPT OF SOCIOLOGY, SOCIAL WORK & ANTHROPOLOGY  
UTAH STATE UNIVERSITY, LOGAN UT**

Dr. Courtney Flint is an Associate Professor of Sociology at Utah State University. Her research and teaching focus on natural resource sociology and community wellbeing and vulnerability. She is particularly interested in contributing to the development of a global mountain community observatory and works closely with the Mountain Research Initiative in Bern, Switzerland, to foster the integration of mountain social science. Dr. Flint serves as vice-chair of the U.S. EPA's Board of Scientific Counselors' Sustainable and Health Communities Committee as well as on the advisory board of the Afro-Montane Research Unit of the University of the Free State in South Africa.

**CAROL J. ROWLAND HOGUE, PHD, MPH, JULES & ULDEEN TERRY PROFESSOR OF MATERNAL AND CHILD  
HEALTH, PROFESSOR OF EPIDEMIOLOGY, DIRECTOR, WOMEN'S AND CHILDREN'S CENTER, ROLLINS SCHOOL  
OF PUBLIC HEALTH, EMORY UNIVERSITY, ATLANTA GA**

Carol Hogue PhD, MPH, is Terry Professor of Maternal and Child Health and Professor of Epidemiology in the Rollins School of Public Health of Emory University. She is also Director of Emory's Center of Excellence in MCH Education, Science, and Practice and Director of Emory's Women's and Children's Center. She is one of the founding mentors in the BTC program and has mentored many leading public health professionals. Her current research interests are how to eliminate racial disparities in perinatal health with focus on the intersection of biology, social science, and evidence-based practice.

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