

**Baltimore Ecosystem Study Quarterly Science Meeting
Environment and Public Health**

July 9, 2025 at UMBC TRC Building

12:30 - 4:30

[UMBC Technology Research Center](#), 5200 Westland Blvd., Arbutus, Maryland 21227

Remote link: <https://umd.zoom.us/my/dexter.locke>

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Agenda

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| 12:30 | Refreshments and Conversation |
| 12:40 | Welcome, Introductions, and Announcements
Rylee Wernoch |
| 12:45 | Spatial Science for Better Health: The Role of GIS in Understanding Environmental Determinants
Paige Brochu, University of Vermont Spatial Analysis Lab |
| 1:00 | Environmental Determinants of Energy Burden and Implications for Heat-Health Vulnerability
Becky Shade, Johns Hopkins Bloomberg School of Public Health |
| 1:15 | A Spatiotemporal Analysis of Structural Racism, Firearm Homicide, and Fatal Opioid-Involved Overdose: An Injury-Related Syndemic
Mudia Uzzi, Johns Hopkins Bloomberg School of Public Health |
| 1:30 | Cross-cutting Questions |
| 1:45 | Break |
| 2:00 | What is the Association Between Greening Vacant Lots and Adolescent Health? A Snapshot of Findings from Project VITAL
Kristin Mmari, Johns Hopkins Bloomberg School of Public Health |
| 2:15 | Health Departments & Climate Change in the US
Megan Weil Latshaw, Johns Hopkins |
| 2:30 | Health Impacts of Place-Based Greening Interventions: A Systematic Review
Dustin Fry, Lehigh University College of Health |
| 2:45 | Wildfire & Preterm Birth - Current and Future research.
M. Luke Smith, Penn State University |
| 3:00 | Cross-cutting Questions |
| 3:45 | Break |
| 4:00 | Discussion, proposals, opportunities to collaborate & Next Steps? |
| 4:30 | Adjourn
Dexter Locke |