

EOHSI Seminar Series - Spring 2022



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*“The role of exposure science in addressing
current environmental challenges”*

Thursday, January 20, 2022 - 12:00 PM

Abstract: Our world demands an accelerated pace of transformation to face the catastrophic risks from a changing climate. Breaking the current impasse, however, requires evidence-based insights about the impacts of climate on human health and ways of mitigating them. Environmental exposure science offers a solution-based research framework by harnessing the latest technology in data infrastructure. Advancements in mobile health platforms allow us to understand climate-related risks at unprecedented spatiotemporal scales, as well as to document the efficacy of interventions from prospective observational studies. This talk showcases the development and implementation of scalable tools, such as low-cost environmental sensors, wearable devices, and smartphone apps, addressing current limitations and strengths, as well as future possibilities.

José Guillermo Cedeño Laurent is a research associate at the Department of Environmental Health at the Harvard TH Chan School of Public Health. His research interests include evaluating the effects of climate change on the indoor environments and their subsequent impacts on health, productivity and well-being. Dr. Cedeño oversees the development of environmental sensor networks and smartphone apps in environmental exposure research. His research also expands to advancing the understanding of chemical exposures and health through the Marilyn Hoffman Program, which aims to advance our understanding of the health consequences of chemicals among vulnerable populations. Dr. Cedeño holds a B.S. in Mechanical Engineering from Monterrey Tech, a M.S. degree in Energy Engineering from Aachen University, in German, and a Sc.D. degree in Environmental Health from Harvard School of Public Health.

All are invited to attend via Zoom

<https://rutgers.zoom.us/j/92864804641?pwd=eFBXR0ZuNElHbUZyRnMvakkRvjlVEdz09>

Meeting ID: 92864804641 Passcode: 794923

or

In person (fully vaccinated): EOHSI Room C - Attendance Limited - Please RSVP to Lisa Pek
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