

Department of Medical-Surgical Specialties, Radiological
Sciences and Public Health

How foods can protect and improve your health: an exposome approach

June 16th 2022 - 11:00-12:30



In person, at School of Medicine – room H



On Microsoft Teams at this [link](#)

Presenter: **Chris Gennings**, PhD
Director, Biostatistics Division
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Public Health
Ichan School of Medicine at Mount Sinai, New York
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Moderator: **Stefano Renzetti**, PhD
Research Fellow, Department of Medical-Surgical Specialties, Radiological Sciences and
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Dr. [Chris Gennings](#) is Director of the Division of Biostatistics and Research Professor in the [Department of Environmental Medicine and Public Health](#) at the Icahn School of Medicine at Mount Sinai and holds a secondary appointment as Research Professor in the [Department of Population Health Science and Policy](#).

An expert in mixtures statistics, Dr. Gennings has been actively engaged in the field for more than 30 years. Her research interests have focused on design and analysis methodologies for studies of chemical mixtures. This has included methods for both toxicology and epidemiology/clinical studies.

Recent work includes development of a body burden index with empirically derived weights linked to health outcomes; development of a holistic measure of wellness using biomarkers of effect; development of a nutrition index; development of weighted quantile sum (WQS) regression – a method that is robust to confounding concerns based on complex correlations among exposure to environmental mixtures; and the development of tests for sufficient similarity, a novel approach that complements current cumulative risk assessment methods and does not require the default assumption of additivity.

Dr. Gennings currently serves as Vice-President Elect of the Society of Toxicology's Mixtures Specialty Session and as a Member of the EPA Board of Scientific Counselors' Chemical Safety for Sustainability Subcommittee.