

XPOSE DTU lectures

Exposomics crosses the Rubicon

Exposomics is transforming our understanding of health—revealing how environmental factors play a major role in disease. Join us for a lecture by an internationally renowned expert on this pivotal shift in health research.

15 JUNE 2026
Monday

Lecture 14.00 - 15.00 + Networking coffee

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ABSTRACT

The field of exposomics has advanced to the point where there is no turning back. Recent large-scale studies clearly demonstrate that non-genetic factors are the predominant drivers of nearly all chronic human health conditions. Therefore, it is necessary to scale up our efforts to incorporate exposomics into all facets of human health and disease research, and ultimately into health care. This will require a combination of technological development, data integration, computational analysis, and international collaboration. Prof Miller will explain the critical steps needed and offer suggestions for how to achieve success.

SPEAKER

Prof Gary W. Miller, Ph.D

Columbia University, New York, NY, USA

Prof Miller is Vice Dean for Research Strategy and Innovation, Adrienne Block Professor of Environmental Health Sciences, Professor of Molecular Pharmacology and Therapeutics, and Director of the Center for Innovative Exposomics. He is a leader in exposomics, studying how environmental factors influence biology and health, with a focus on neurodegeneration. His lab applies high-resolution mass spectrometry across diverse model systems and biological samples. Prof Miller is a Fellow of the AAAS, serves on the NIH All of Us advisory panel, and leads the NIH-funded NEXUS Exposome Coordinating Center and the ARPA-H IndiPHARM project.

RESPONSIBLE SCIENTIST

Prof Emma Schymanski from the LCSB/UL

HOST:

XPOSE doctoral training program focused on exposome and health and supported through funding by the FNR (PRIDE23/18356118)

Location:

Luxembourg Institute of Health
1 A-B Rue Thomas Edison, L-1445 Strassen
Room Marie Curie/ Louis Pastur

Online:

JOIN

Event number: 2790 492 4916
Password: cqTbtHRT333

Registration for in-person participation is mandatory. Please send an email to xpose.office@lih.lu to confirm your attendance.