



Genetics and Environmental Mutagenesis Society
of North Carolina

45th Annual Fall Meeting

November 6th, 2023

Omics/Multi-omics in Environmental Health

Friday Center, University of North Carolina, Chapel Hill, NC

8:30 – 9:10 am	Check in and Refreshments
9:10 – 9:15 am	Welcome <i>Shobhan Gaddameedhi, PhD, GEMS President</i>
	Introduction to meeting topic <i>Sury Vulimiri, PhD, Moderator and GEMS President-elect</i>
9:15 – 10:00 am	Imprinted Genes in the Programming of Liver Disease by Early Life Environmental Stressors. <i>Michael Cowley, PhD, NC State University, Raleigh, NC</i>
10:00 – 10:45 am	Omics Approaches, Toxicity Studies, and Epidemiology Analyses to Examine the Role of Environmental Exposures on Kidney Health in Tropical Farming Communities. <i>Nishad Jayasundara, PhD, Duke University, Durham, NC.</i>
10:45 – 12:00 pm	Poster session and Sponsor exhibits
12:00 – 1:00 pm	Lunch (provided with registration) and Business Meeting
1:00 – 1:45 pm	Trainee platform presentation
1:45 – 2:30 pm	Placental Multi-OMICS Research in Perinatal Environmental Health. <i>Lauren Eaves, PhD, Gillings School of Global Public Health, UNC, Chapel Hill, NC.</i>
2.30 – 2.45 pm	Break (Refreshments)
2:45 – 3:30 pm	Mechanisms of Mutagenesis in Humans Revealed by Oligonucleotide Motif-Centered Statistical Analyses. <i>Dmitry A Gordenin, PhD, National Institute of Environmental Health Sciences (NIH), Durham, NC.</i>
3.30 – 4.00 pm	Awards and Closing Remarks
4.30 pm	Adjourn