# SMSS Colloquium Distinguished Speaker:
# Dr. Xihong Lin

*Department of Biostatistics and Department of Statistics, Harvard University.*
*Associate Member - Broad Institute of MIT and Harvard.*

*Coordinating Director of the Program in Quantitative Genomics at the Harvard T. H. Chan School of Public Health.*

*Elected member of the National Academy of Medicine. Fellow of: American Statistical Association (ASA), Institute of Mathematical Statistics, and International Statistical Institute.*

*Past awards include the 2006 Committee of Presidents of Statistical Societies (COPSS) Presidents' Award and the 2017 COPSS FN David Award.*
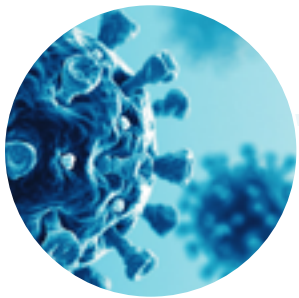
# Learning from COVID-19 Data

*on Transmission, Health Outcomes, Interventions and Vaccination*

• The effects of public health interventions on controlling the COVID-19 outbreak, such as social distancing, isolation and quarantine.

• Estimating transmission rates using Transmission regression models as well as factors including intervention effects using test-trace-isolate strategies that affect transmission rates.

• The demographic, social-economic, and comorbidity factors that are associated with COVID-19 case and death rates.

• Analysis results of >500,000 participants of the HowWeFeel project, discussing the factors associated with infection, behavior, and vaccine hesitancy.

• Analysis results of 32,000 lab-confirmed COVID-19 cases in Wuhan to estimate the transmission rates using Poisson Partial Differential Equation-based transmission dynamic models.

# March 19, 2021        11:30 A.M. - 1:00 P.M.

## This virtual event is open to the public.
Join us via Zoom: https://utrgv.zoom.us/j/84780642513