

CFPR LUNCHTIME SEMINAR SERIES

# GENOMIC ADVANCES AND ITS IMPACTS ON SOCIAL SCIENCES

For near two decades, my **research interest** focuses on the integration of sociology with genetics and epigenetics in the studies of fundamental social science issues such as social and health behavior and outcomes, production of social stratification, and bio-ancestry and social construction of racial and ethnic identity. Dazzling developments in molecular genetics over the past quarter century have undermined completely an assumption still common in mainstream social science -- that individuals are about the same at birth (a "blank slate") and that the observed differences across individuals are due entirely to environmental influences.

**My future research** continues to focus on the integration of insights from social sciences and genomics. Studies of human genome have been undergoing rapid advances. More and more genetic loci are credibly linked with human traits. Many large-scale social science studies such as Add Health, HRS, and FHS measured >2,000,000 genetic variables for each of thousands of individuals. Using these data sources and genomic findings will significantly advance our understanding of how social context and genome influence many social and behavioral traits.

Guang Guo is Dr. George and Alice Welsh Distinguished Professor of Sociology at the University of North Carolina at Chapel Hill, where he is faculty member in the Department of Sociology, Carolina Population Center, and Carolina Center for Genome Sciences. His work focuses on social science genomics that integrates sociology with genomics and epigenetics in the studies of fundamental social science issues such as social stratification, health inequality, and bio-ancestry and social construction of racial and ethnic identity. He has made a number of contributions towards understanding the interplay between social environment and inheritance in social stratification, delinquency, alcohol and substance abuse, and sexual behaviors. His work has appeared in American Journal of Sociology, American Sociological Review, PLoS ONE, Demography, Social Forces, Social Science Research, Sociological Methodology, Journal of American Statistical Sociology, and Sociological Methods and Research.



Chaired by: **Provost's Chair Professor of Sociology, Wei-Jun Jean Yeung, Director of the Centre for Family and Population Research, Research Leader in the Asia Research Institute, National University of Singapore**

Date: **16 nov 2018** | Time: **12.00nn - 1.30pm** | Venue: **ventus evans room**  
**Refreshments will be served. Registration is required.**  
Register at: **<https://tinyurl.com/ybqf2795>**