Big Data and Individual Health
Monday, June 15, 2020 | 12:00pm - 1:00pm
This will be a virtual session via Zoom.

REGISTER HERE:
https://stanford.zoom.us/webinar/register/WN_Du0KgfU2Tx-yRm5KktcRKw

MICHAEL SNYDER, MD, FACS
Stanford W. Ascherman Professor and Chair,
Department of Genetics
Director of the Center for Genomics and
Personalized Medicine
Recipient of MCHRI Cardiovascular Institute
Pilot Award (FY19)

Talk Description:
Michael Snyder, PhD will demonstrate the power of using advanced
technologies (genomics, immunomics, transcriptomics, proteomics,
metabolomics, microbiomics and wearables, etc) and longitudinal
profiling to better manage human health, detect disease early and
follow how people age in an actionable time frame. The talk will cover
longitudinal profiling during pregnancy, revealing a metabolic clock
that predicts gestational age and time to delivery.

About the Speaker:
Michael Snyder, PhD, is the Stanford W. Ascherman Professor and Chair,
in the Department of Genetics and Director of the Center for Genomics
and Personalized Medicine. Dr. Snyder received his Ph.D. training at the
California Institute of Technology and carried out postdoctoral training
at Stanford University. He is a leader in the field of functional genomics
and proteomics, and one of the major participants of the ENCODE
project.

His laboratory study was the first to perform a large-scale functional
genomics project in any organism, and has developed many
technologies in genomics and proteomics. These including the
development of proteome chips, high resolution tiling arrays for the
entire human genome, methods for global mapping of transcription
factor binding sites (ChIP-chip now replaced by ChIP-seq), paired end
sequencing for mapping of structural variation in eukaryotes, de novo
genoome sequencing of genomes using high throughput technologies
and RNA-Seq. These technologies have been used for characterizing
genomes, proteomes and regulatory networks.

The seminars series is open to all, including faculty, staff, trainees, postdocs, and all members of the research community.