



**STANFORD
MATERNAL & CHILD HEALTH
RESEARCH INSTITUTE
SEMINAR SERIES**

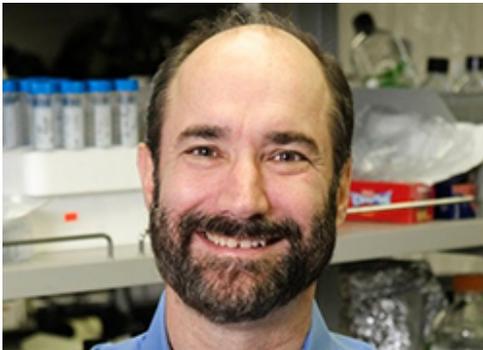
Big Data and Individual Health

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-yRm5KkctcRKw



MICHAEL SNYDER, PHD

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

Talk Description:

Dr. Michael Snyder 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, MD, FACS, and Chair in the Department of Genetics and Director of the Center for Genomics and Personalized Medicine. He received his PhD 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 included 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, and de novo genome 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.