



THE UNIVERSITY OF ARIZONA HEALTH SCIENCES

Center for Applied Genetics & Genomic Medicine

PRESENTS

Genetics and Genomics Grand Rounds

September 16th | 4:00 – 5:00 pm | Zoom Presentation

Join from PC, Mac, Linux, iOS or Android: <https://arizona.zoom.us/j/96292892191>

For more information, please visit

<http://precisionhealth.uahs.arizona.edu/genetics-genomics-grand-rounds>

Speaker Host: Deborah A Meyers, PhD | dameyers@email.arizona.edu

Contact: Kathy Ben | kben@email.arizona.edu

USING GENETICALLY PREDICTED EXPRESSION IN MULTI-GENE SETS TO PROBE THE BIOLOGY OF COMMON DISEASES

Nancy Cox, PhD is a quantitative human geneticist with a long-standing interest in understanding the genetic basis of common human diseases and related traits. In 2015, she joined Vanderbilt to become the inaugural Director of the Vanderbilt Genetics Institute. She earned a PhD in Human Genetics at Yale University in 1982 and did post-doctoral research at Washington University and the University of PA before joining the University of Chicago, where she spent 28 years. In her presentation, she will discuss how building multi-gene sets can be used to probe the biology of common diseases in new ways, including testing the medical phenome associated with the genes involved in extracellular matrix, validating gene associations detected through phenome risk scores, and translating polygenic liability to disease between species using polygene risk scores.



Nancy Cox, PhD

Mary Phillips Edmonds Gray

Professor of Genetics

*Director, Vanderbilt Genetics
Institute*

*Director, Division of Genetic
Medicine*