



Yale SCHOOL OF MEDICINE

GENETICS DEPARTMENT SEMINAR SERIES

African evolutionary genomics: Implications for reconstructing human evolution and the genetic basis of complex adaptive traits

Africa is thought to be the ancestral homeland of all modern human populations within the past 300,000 years. It is also a region of tremendous cultural, linguistic, climatic, and genetic diversity. Despite the important role that African populations have played in human history; they remain one of the most underrepresented groups in human genomics studies. A comprehensive knowledge of patterns of variation in African genomes is critical for a deeper understanding of human genomic diversity, the identification of functionally important genetic variation, the genetic basis of adaptation to diverse environments and diets, and the origins of modern humans. We have characterized genomic variation in thousands of ethnically and geographically diverse Africans in order to reconstruct human population history and we use functional genomics approaches to identify genetic variants influencing adaptive traits.



Dr. Sarah Tishkoff, PhD

Professor

Departments of Genetics and Biology

David and Lyn Silfen University

University of Pennsylvania

Hosts:

Dr. Valerie Reinke, PhD & Dr. Zhaoxia Sun, PhD

Professor & Associate Professor

YSM Department of Genetics

Tuesday, October 11th, 2022

11:30am - 12:30pm

TAC N107- 300 Cedar Street

Zoom link

PW: 080122

The Genetics Calendar of Events can be viewed on-line at
<https://medicine.yale.edu/genetics/news-and-events/seminars/>