

**DEPARTMENT OF GENETICS &
HUMAN GENETICS INSTITUTE OF NEW JERSEY**

RESEARCH SEMINARS



Christina Bergey, Ph.D.
Postdoctoral fellow
Pennsylvania State University
Departments of Anthropology and
Biology
10:30 am – 11:30 am

The evolution of complex traits in rainforest hunter-gatherers (et alia)

Small body size (the "pygmy" phenotype) likely evolved as an adaptation to the harsh ecological challenges of tropical rainforests. Using this natural human model, Dr. Bergey studies the genetic, functional, and evolutionary bases of growth and body size, as well as the ecologically-mediated adaptation of other complex, polygenic traits.



Alison Taylor, Ph.D.
Postdoctoral fellow
Dana-Farber Cancer Institute/Broad Institute
Department of Medical Oncology
11:45 am – 12:45 pm

Genomic and Functional Approaches to Understanding Cancer Aneuploidy

We applied new genomic and experimental methods to study aneuploidy, whole chromosome or chromosome arm copy number imbalance that is a near-universal characteristic of human cancers. Our experimental system utilized CRISPR-Cas9 technology for developing in vitro models of chromosome arm alterations. This work defines genomic and phenotypic correlates of cancer aneuploidy.

Monday, January 28, 2019

Auditorium, Life Sciences Building, 145 Bevier Road, Busch Campus, Piscataway, New Jersey