JOINT SEMINAR ANNOUNCEMENT

from the
Department of Biomedical Informatics
and the
Cancer Epidemiology & Prevention Program
of the University of Pittsburgh Cancer Institute

The Offices at Baum
5607 Baum Boulevard
Fourth Floor - 407 A/B

Thursday, July 23, 2015
10:30 – 11:30 am

“Big Data Integration for Precision Medicine: From Population to Single Cells”

Lana X. Garmire, PhD
Assistant Professor
Cancer Epidemiology Program
University of Hawaii Cancer Center

Dr. Lana Garmire is a tenure track faculty member in translational bioinformatics at the University of Hawaii Cancer Center (UHCC). During her time at UHCC, she has led the Translational Informatics Research Group (TIRG) and has established three major models to: (1) initiate and conduct computational and bioinformatics projects using public data and sources; (2) partner with experimental groups (such as the single cell sequencing projects at Yale University, and (3) initiate translational research projects. With the engagement of clinicians, experimental biologists, epidemiologists, computer scientists and engineers, Dr. Garmire has received $1.4 million in funding since her appointment at the UHCC. Current projects of the TIRG include:

- Translational informatics of cancers and immune-related diseases, such as classifying biomarkers for cancer prognosis and diagnosis
- Use of high-throughput methods (next-generation sequencing method etc.) to study non-coding RNAs, such as microRNAs and intergenic non-coding RNAs
- Integrative omics/clinic data analysis
- Development of computational methods to analyze high-throughput data from next-generation sequencing et al., and
- Systems biology modeling

Hosted by: Drs. Michael Becich & Jian-Min Yuan
REFRESHMENTS PROVIDED
Contact Person: Brooke Spencer
412-864-7861 or spencerbd@upmc.edu