Date: Fri. May 5th / Time: 6-8 PM
Location: Johns Hopkins Homewood Campus
Hackerman Hall, 3rd floor - 320
"Spring 2017 Final Projects"

Identification of cancer-specific vs. pan-cancer drivers in TCGA data
Ertugrul Alemdar, Augusto Ramirez, Yifan Zhang

HMMs for Predicting Peptide Binding to Mouse H-2 Kb MHC Class I for Cancer Immunotherapy
Ariel Isser, Inez Lam, Christy Pickering

Modeling epitope affinity to MHC molecules using multiple SVM kernels
Peter DeFord

Comparing Machine Learning Methods for Predicting Binding Affinities of HLA to MHC
Nicolas Eng, Zach Heiman, Sunny Thodupunuri

Evaluating the relationship between driver gene mutations and immune cell infiltration
Emily Su and Emily Lo

Association of Driver Genes with Tumor Infiltrating Lymphocytes
Christopher Cherry and Brian Mog

OXA Beta Lactamase
Joseph Federico, Andrew Fraser, Yunfan Fan

Investigation of field defect involvement in development of multifocal intraductal papillary mucinous neoplasms (IPMNs)
Ravi Gaddipati, Qian Ke, Richard Liu, and Lily Zheng

Identification of Ancestry and Disease phenotypes from genotypes as reported by 23andMe
Saranga Arora, Kendrick Hougen, Josh Punnoose

Individualized Exercise Recommendations as Personalized Medicine with 23andMe
Yichao Du, Suraj Kannan, and Shannon Wongvibulsin

Design analytical null model for germline variant effect prediction algorithm
Gege Gui

Predict Clinical Descriptions and Disease Causing Variants from Clinical Gene Panel Data
Yi Chen, Daniel Yuan, Huilei Wang

Exploring the origin of kinks in transmembrane alpha-helices
Rebecca F. Alford