

ECEN489_689 Algorithms in Structural Bioinformatics
Final Project Presentations

Texas A&M University
Fall 2015

Wednesday, December 2, 2015

Paul Crouther

"A survey in global optimization with multi-start"

Sajad Sadeh

"Improve the performance of HIV-1 protease cleavage prediction using prior knowledge"

Hyundoo Jeong and Hyun-Myung Woo

"Functional module identification through novel network querying"

Friday, December 4, 2015

Shuilian Xie, Mostafa Karimi, Jordi Abante and Haoran Chen
"AstraZeneca-Sanger drug combination prediction DREAM challenge"

HuaYu Yuan and Xuan Dang

"Predicting HIV-1 protease cleavage site with different features of octamer"

Monday, December 7, 2015

Rene Martinez and Levi McClenny

"Classification of Glioblastoma Multiforme via machine learning"

Aky Chen and Kai He

"RNA structural alignment through interaction networks"

Yi Yan and Akanksh Basavaraju

"Drug-target interaction prediction from genomic and pharmacological data"

Wednesday, December 9, 2015

Kyle Stanley

“Predicting molecular binding to Thrombin using machine learning methods”

Paul McVay

“Multithread performance comparisons of genetic, metropolis, and particle swarm algorithms”

Ziwei Xuan and Qing Wan

“DCA (Direct Coupling Analysis) in coevolution and protein contact prediction”