

Biomedical Data Science Student Rotation Presentations

Wednesday December 4, 2019

12:30-2:30

1210 MSC

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Jojo Cheng

**“Towards the GILBERT architecture: Generalized Infinite Lite BERT”**

Rotation Advisor: Vikas Singh

Saniya Khullar

**PhyloHMGP**

Rotation Advisor: Sushmita Roy

Tuo Wang

**“Tissue-specific polygenic risk score”**

Rotation Advisor: Qiongshi Lu

Xiayuan Huang

**“Using of RBP Localization and Binding to Infer RBP”**

Rotation Advisor: Sunduz Keles

Ben Kaufman

**“Evaluating Graph Neural Networks on the Computation of Strain Energies of Molecular Conformer Ensembles”**

Rotation Advisor: Sebastian Raschka

Ting Jin

**“Interpretable neural network model identifies gene expression biomarkers for clinical outcomes in early cancer and reveals underlying molecular mechanisms”**

Rotation Advisor: Daifeng Wang

Lianlian Du

tbd

Rotation Advisor: Qiongshi Lu

Li Ge

**“Computer-vision-based surgical skill assessment for cataract surgeries”**

Rotation Advisor: Yin Li

Lexie Lobo

**“Predicting Immune Response from Microbiome Data”**

Rotation Advisor: Irene Ong

Zijie Zhao

**“Fine-tuning Polygenic Risk Scores with GWAS Summary Statistics”**

Rotation Advisor: Qiongshi Lu

Erika Lee

**“Testing feature importance in chromatin-interaction prediction model”**

Rotation Advisor: Mark Craven

Keith Westpfahl

**“Robust Concept and Knowledge Extraction from Text (RoCKET)”**

Rotation Advisors: Glenn Fung, Qian You, and Teja Kanchinadam at American Family Insurance

Matt Stone

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