

Predicting Compound-Protein Interactions From Machine Learning Perspective

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Outline

- ▶ Introduction on Compound-Protein Interactions (CPIs)
- ▶ Inference on the latent features from CPIs by EM algorithm
- ▶ Quantitative prediction on CPIs by multi-task learning
- ▶ Graph partition based prediction on CPIs
- ▶ Non-parametric dependent detection on GTEx project

