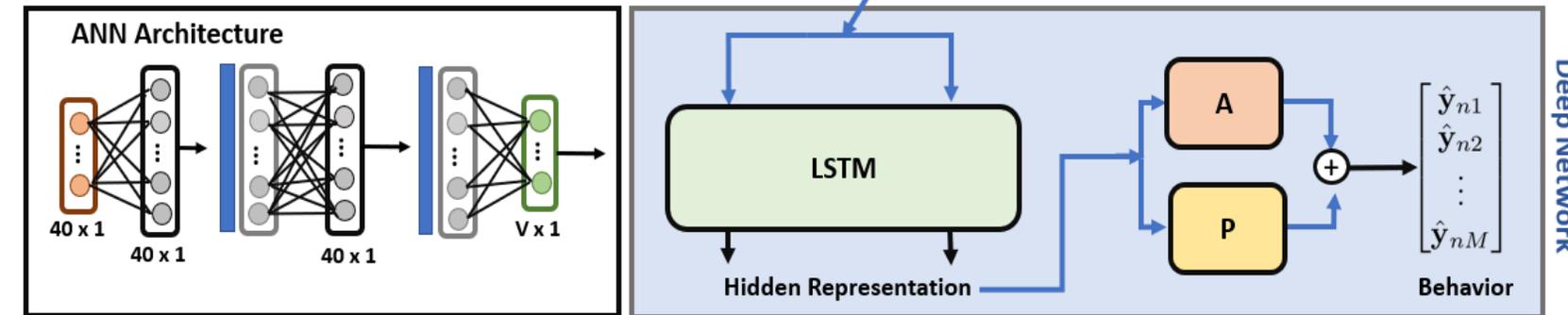
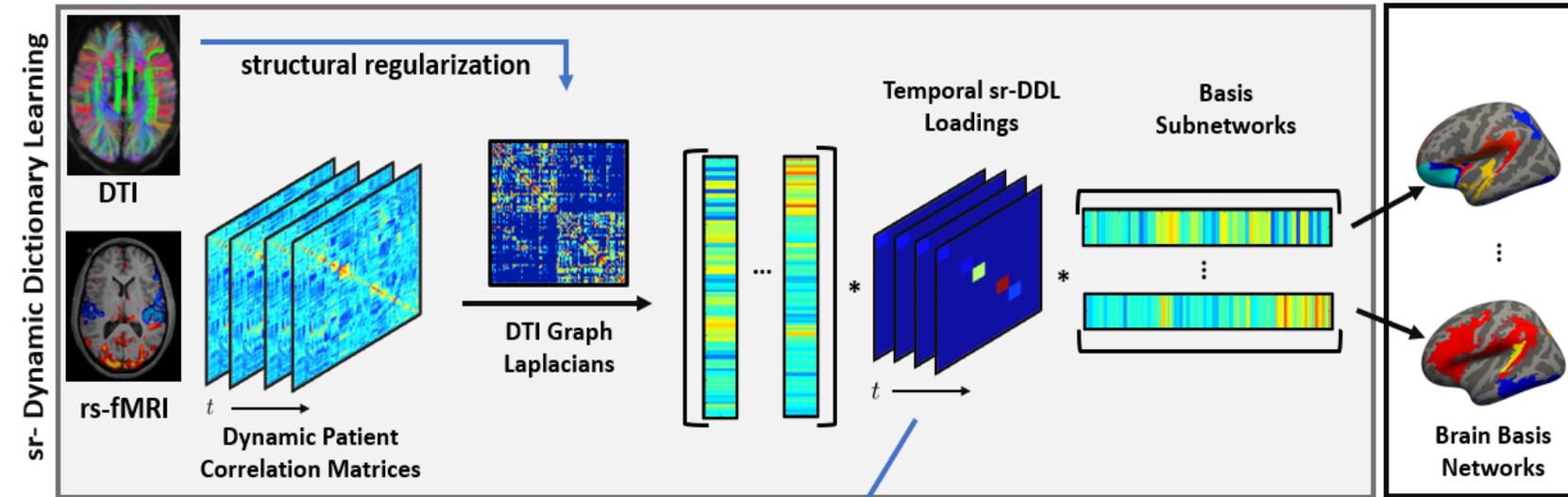


Deep-Generative Hybrid to Integrate Multimodal and Dynamic Connectivity with Behavior



- Integration of structural and dynamic functional connectivity with behavior
- Jointly optimize for the neuroimaging representation and behavioral prediction
- Generalizes to prediction of multiple deficits

Results

Score	Method	MAE Test	MI Test
ADOS	BrainNetCNN	3.50	0.25
	PCA & LSTM-ANN	2.47	0.35
	Without DTI reg.	3.27	0.26
	Our Framework	<u>2.84</u>	<u>0.34</u>
SRS	BrainNetCNN	18.96	0.75
	PCA & LSTM-ANN	19.05	0.68
	Without DTI reg.	18.70	0.77
	Our Framework	17.81	0.88
Praxis	BrainNetCNN	15.15	0.19
	PCA & LSTM-ANN	20.71	0.47
	Without DTI reg.	17.34	0.49
	Our Framework	13.50	0.85

