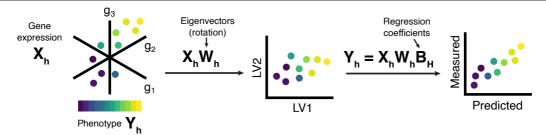
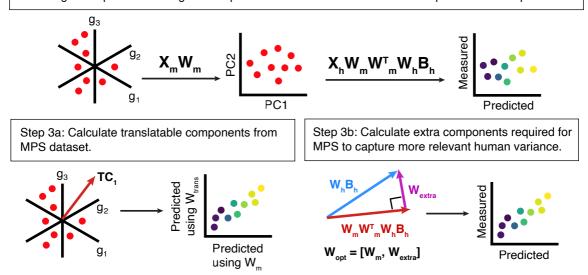
## Step 1: Train a model (e.g. PLSR) to predict human phenotypes from human molecular features.



Step 2: Build a representation of the MPS gene expression space by using PCA. Project and backproject human gene expression through MPS space to remove human variance not captured in MPS space.



Step 4: Interpret translatable and extra components to prioritize experimental stimuli and to propose new perturbations.