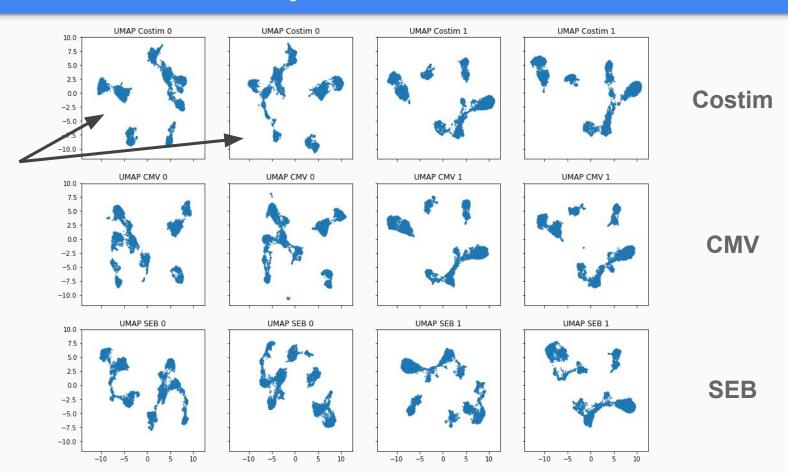
Progress Report

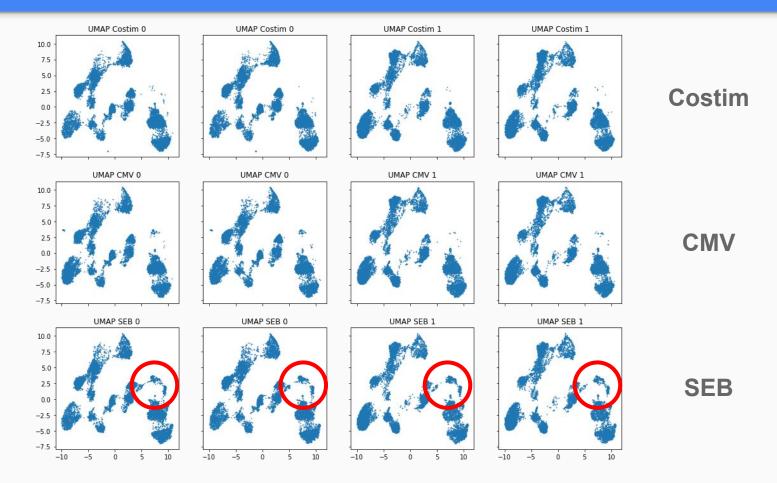
Kuei-Yueh (Clint) Ko

Run UMAP individually

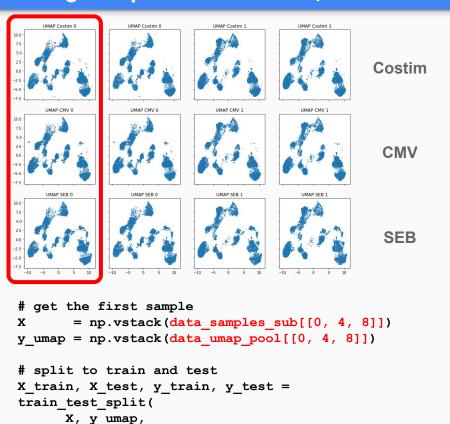
Randomly subset 10,000 events on the same sample



Run UMAP on pooled samples



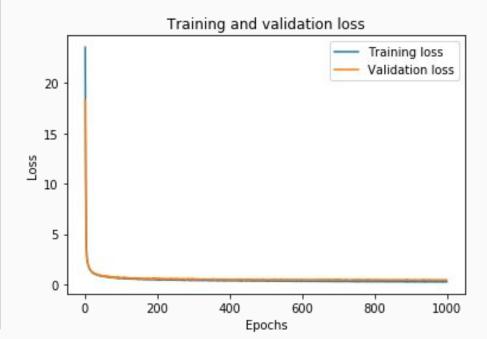
Train to approximate the mapping function using samples from Costim, CMV and SEB.



train size = 0.9,

random state = 0)

```
model = Sequential()
model.add(Dense(128, input_shape=(14,), activation='relu'))
model.add(Dense(64, activation='relu'))
model.add(Dense(2))
model.compile(loss='mse', optimizer='rmsprop',
metrics=['mse'])
```



Compare UMAP and Approx. function

