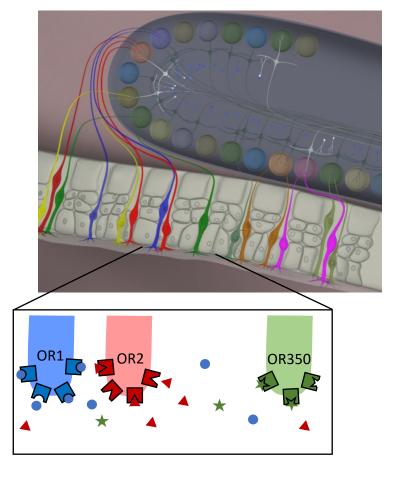
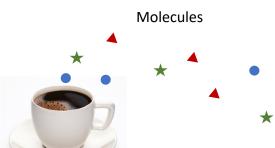
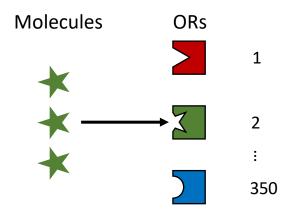


Odorant Receptors (ORs)



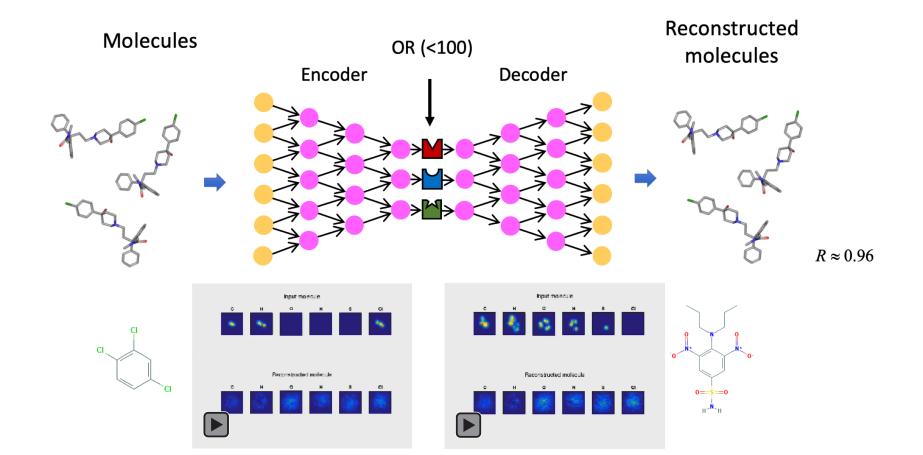


Hypothesis: Odorant receptors are 3D molecular filters.

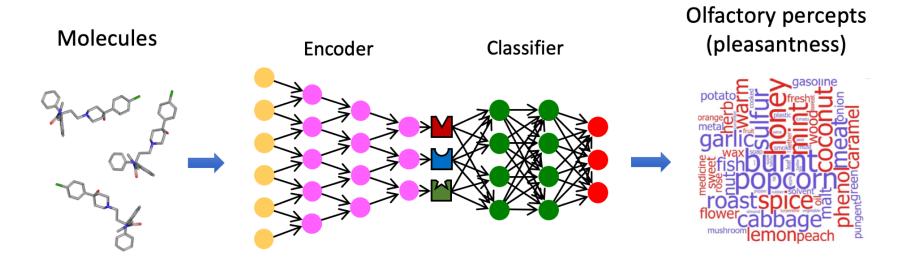


Corollary: They can be 'trained' using neural network methods.

DeepNose autoencoder



DeepNose classifier



 $R \approx 0.7$



Poster #249

Today at 6:30PM, Pacific Ballroom

https://doi.org/10.1101/464735



CSHL is hiring people interested in applying ML to understand the brain (akula@cshl.edu)