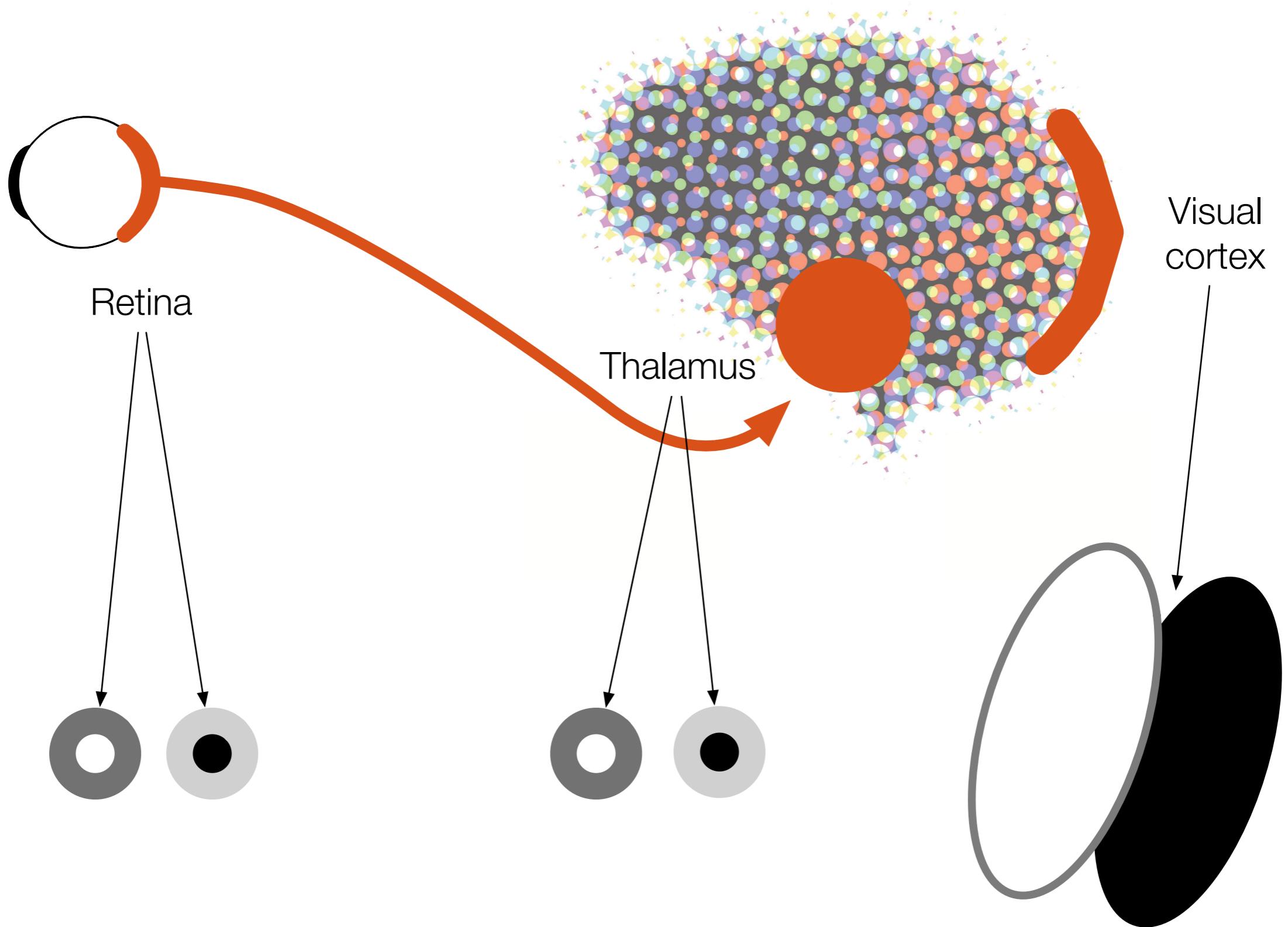


# Fitting responses of single neurons with a Bayesian model

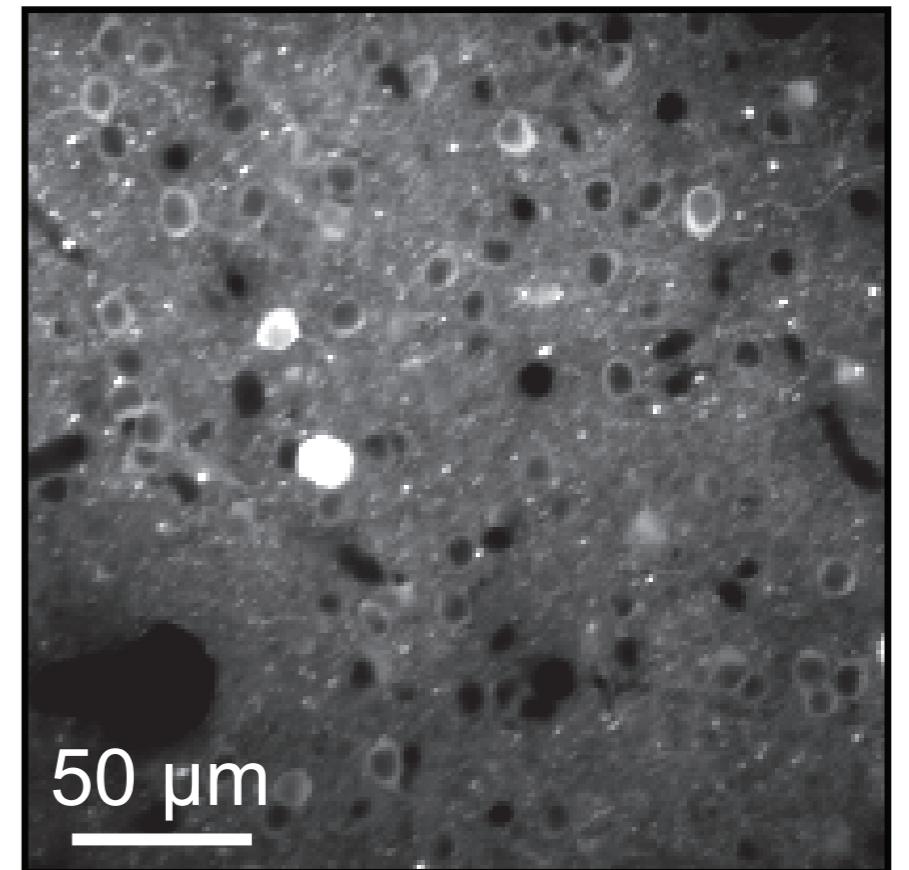
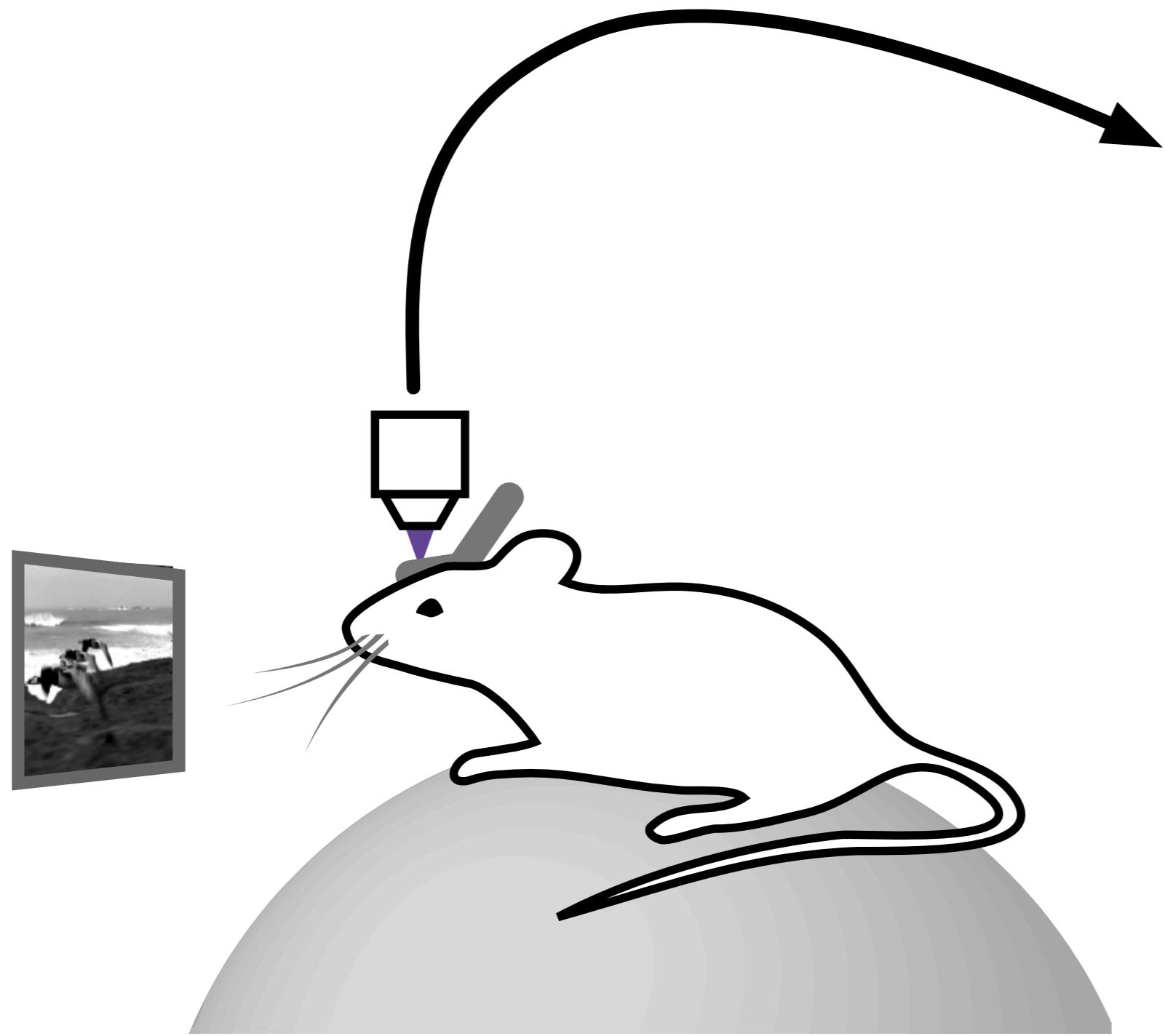
Dylan Muir

Biozentrum  
University of Basel

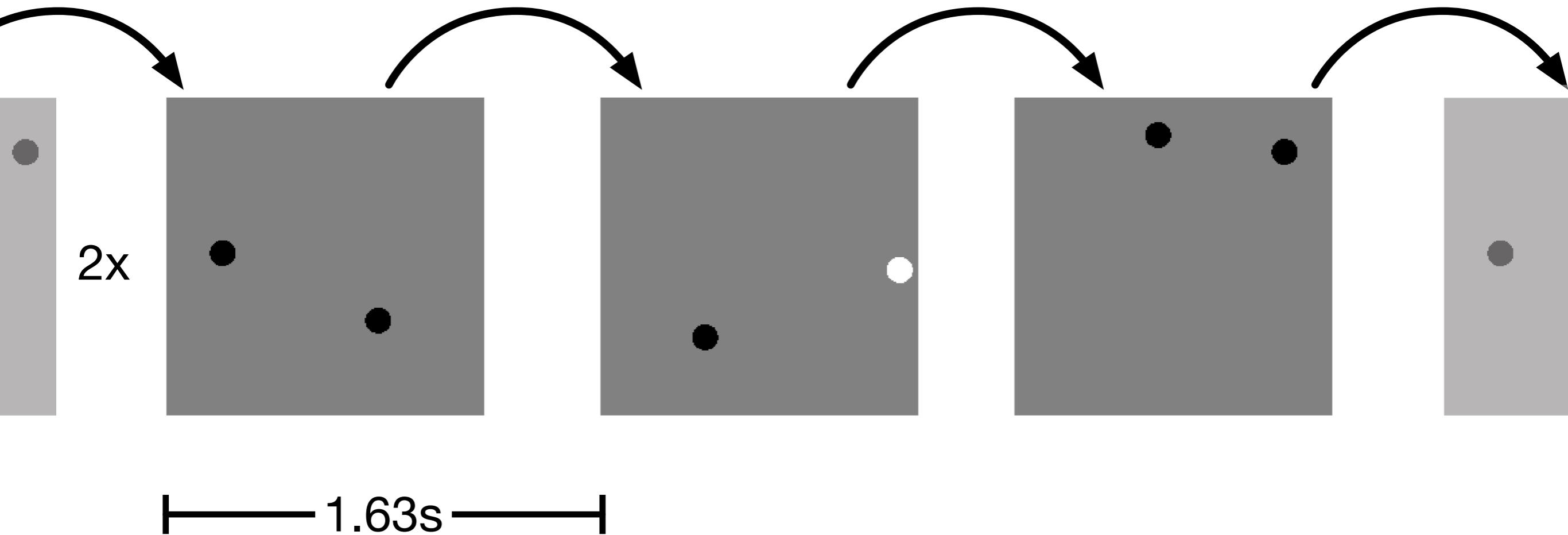
# Visual pathway



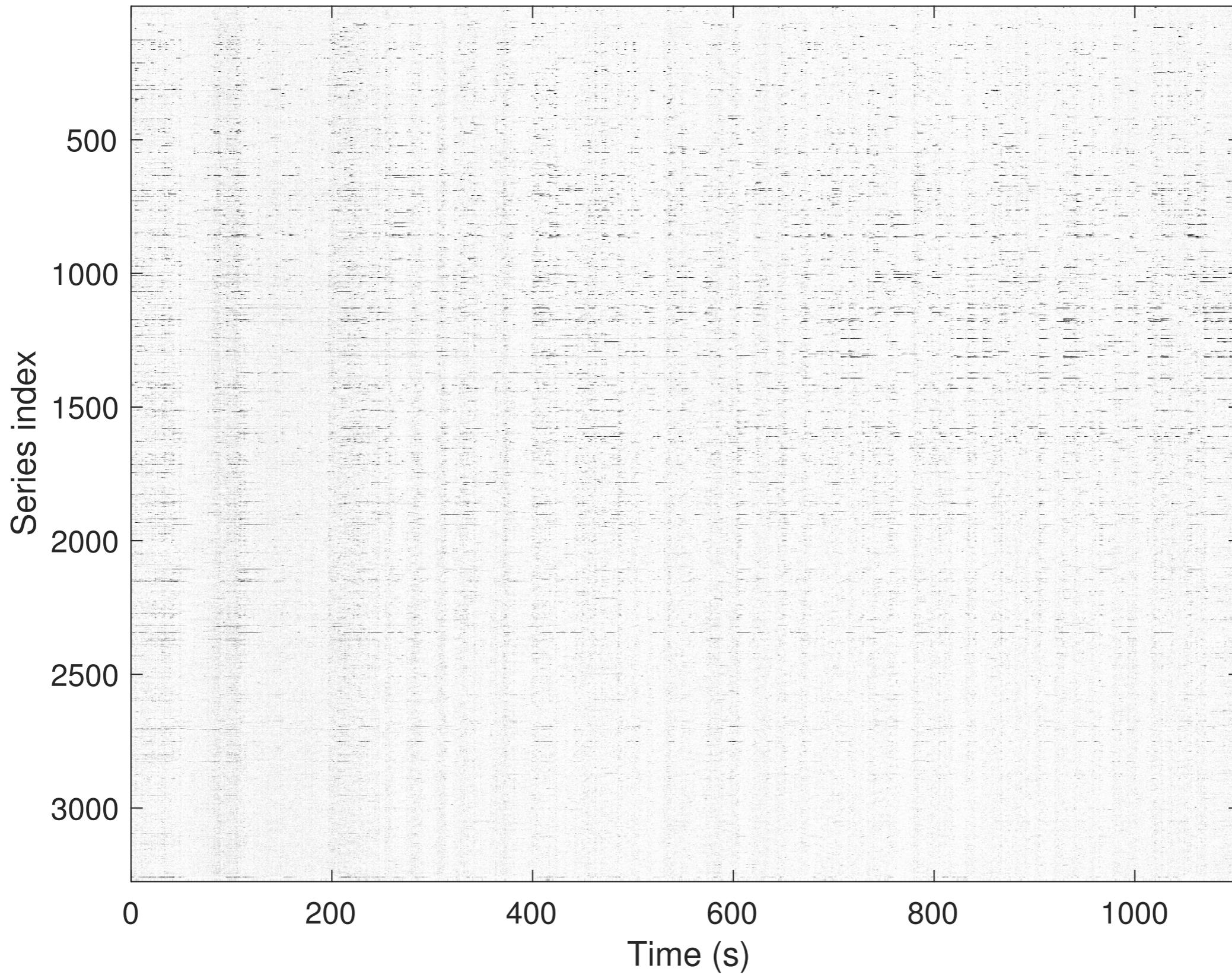
# Recording in mouse visual cortex



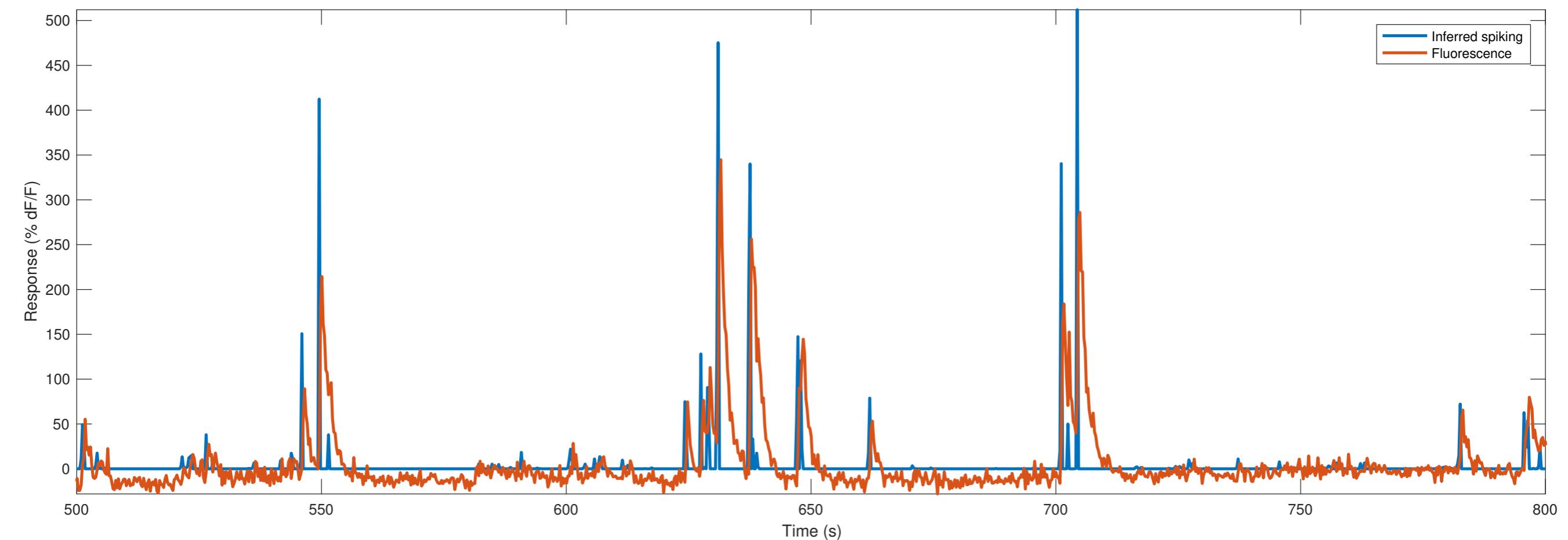
# Sparse noise sequences



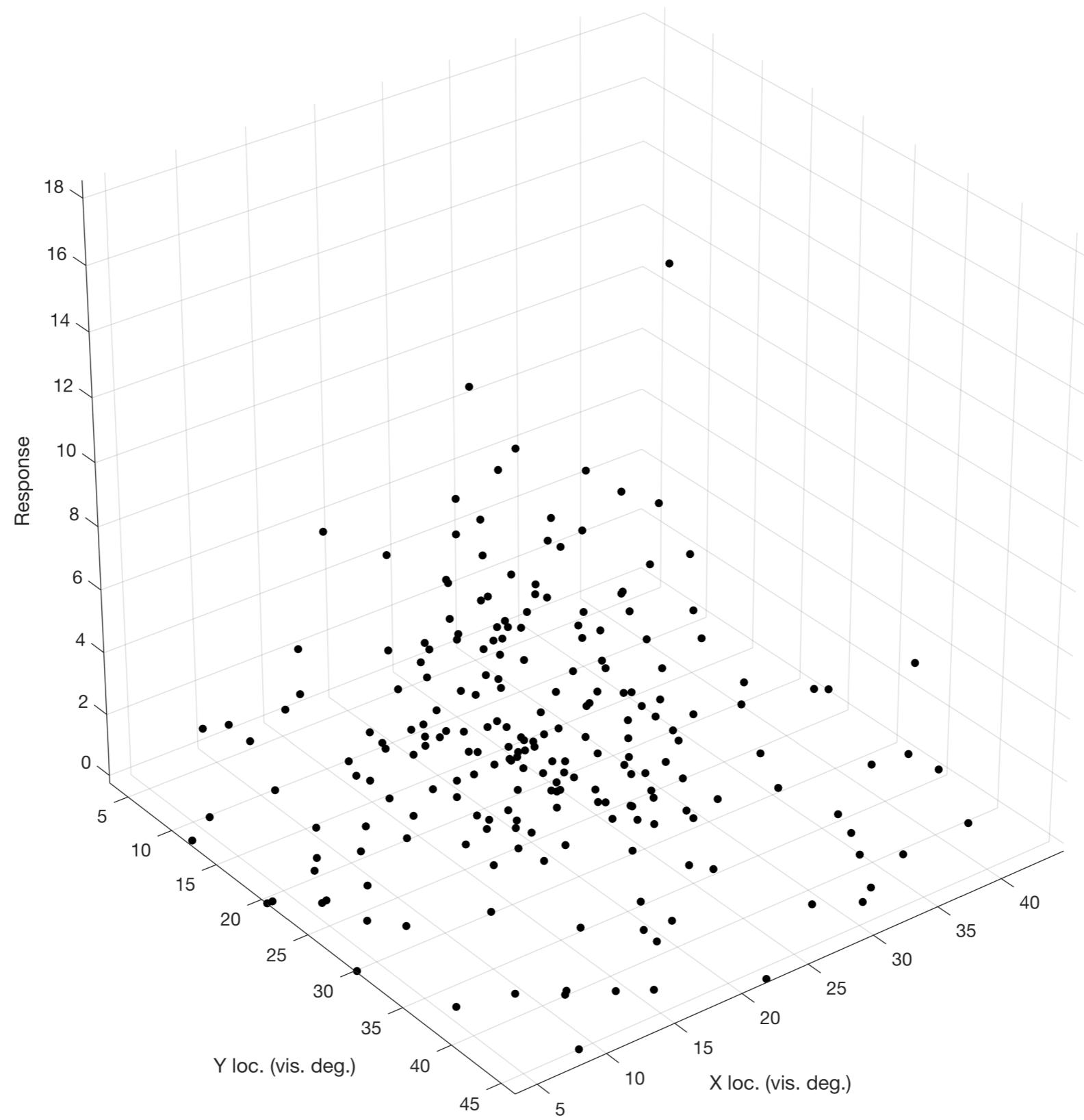
# Population recording



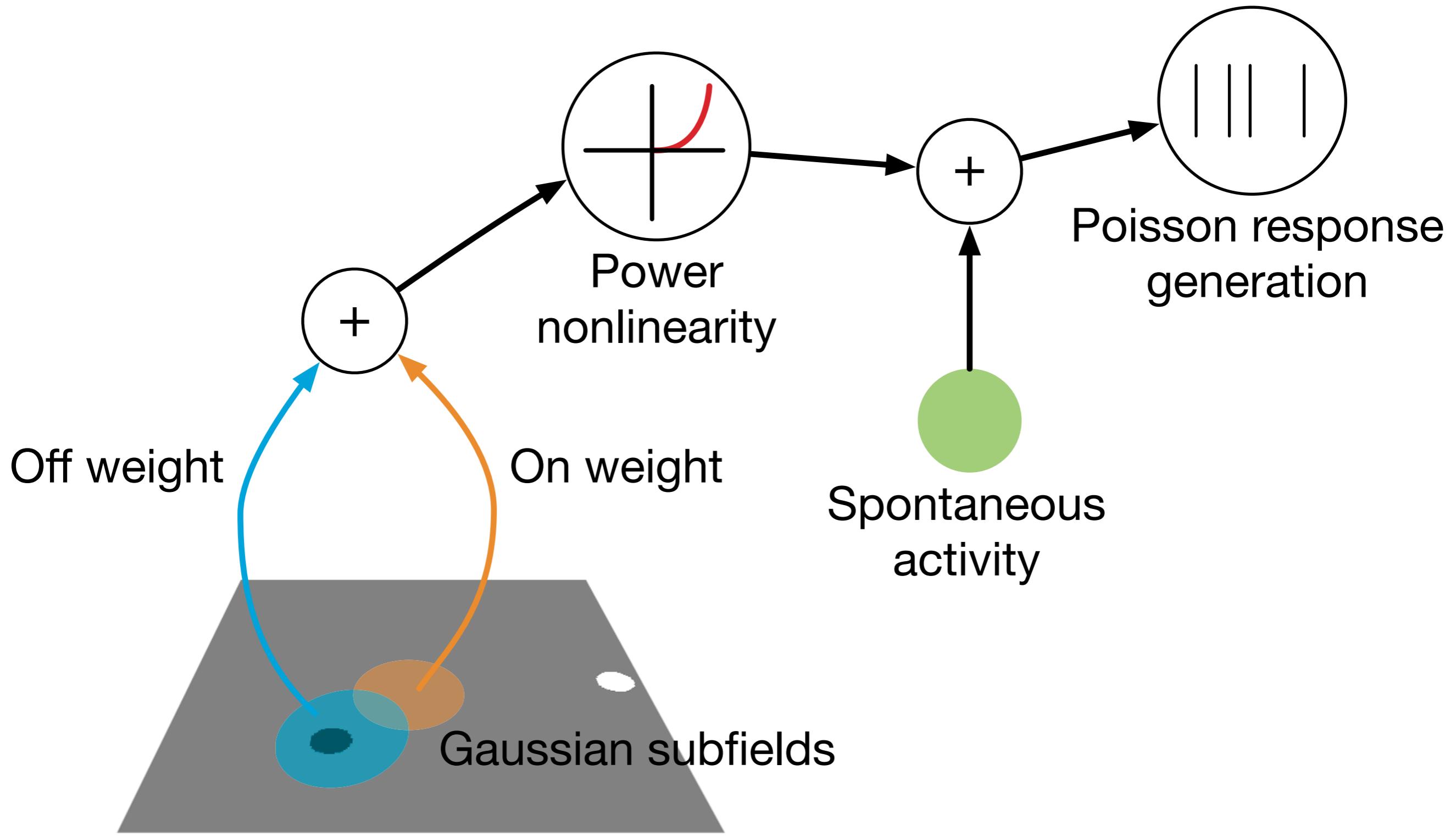
# Single neuron recording



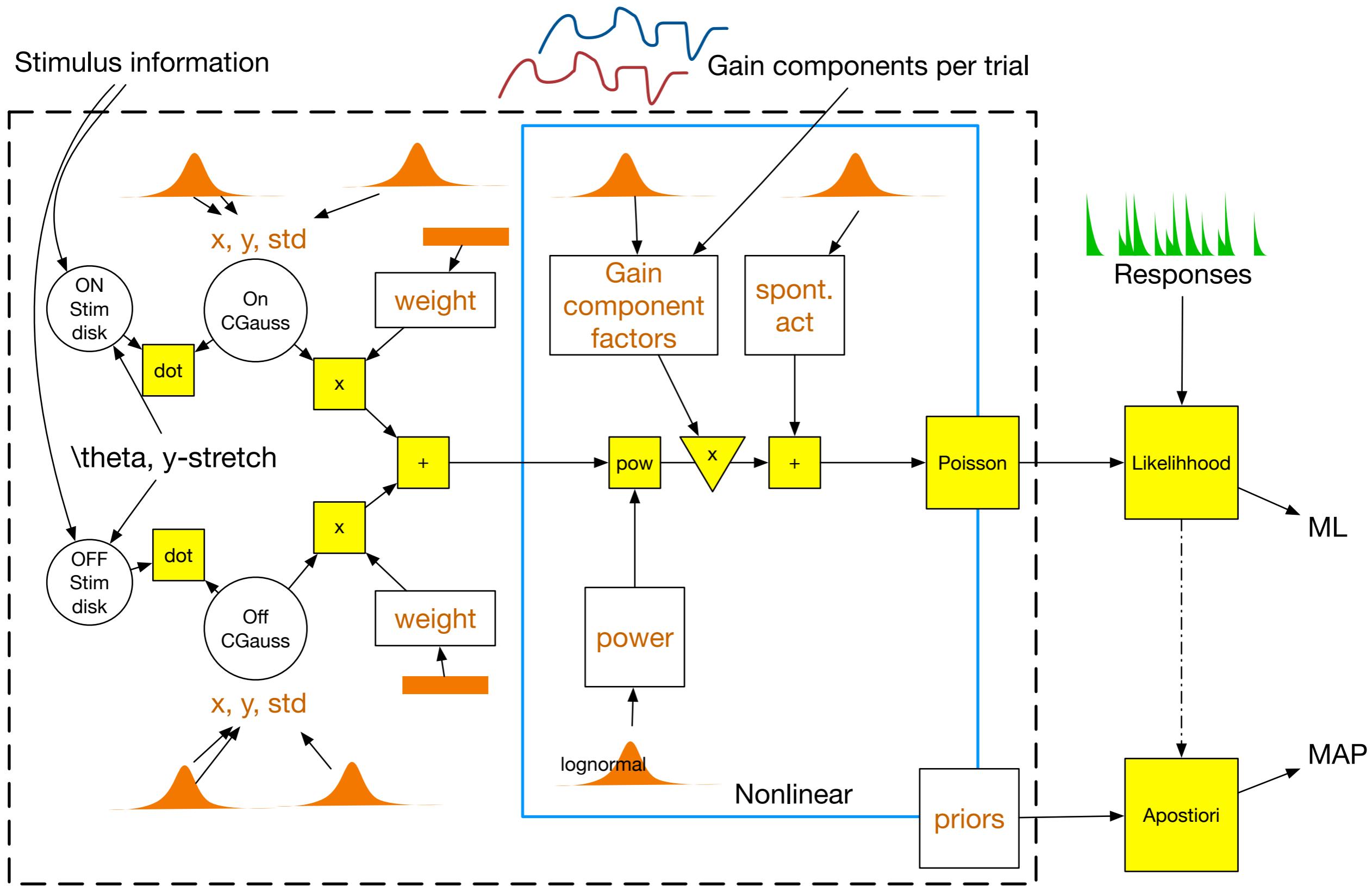
# Single neuron response



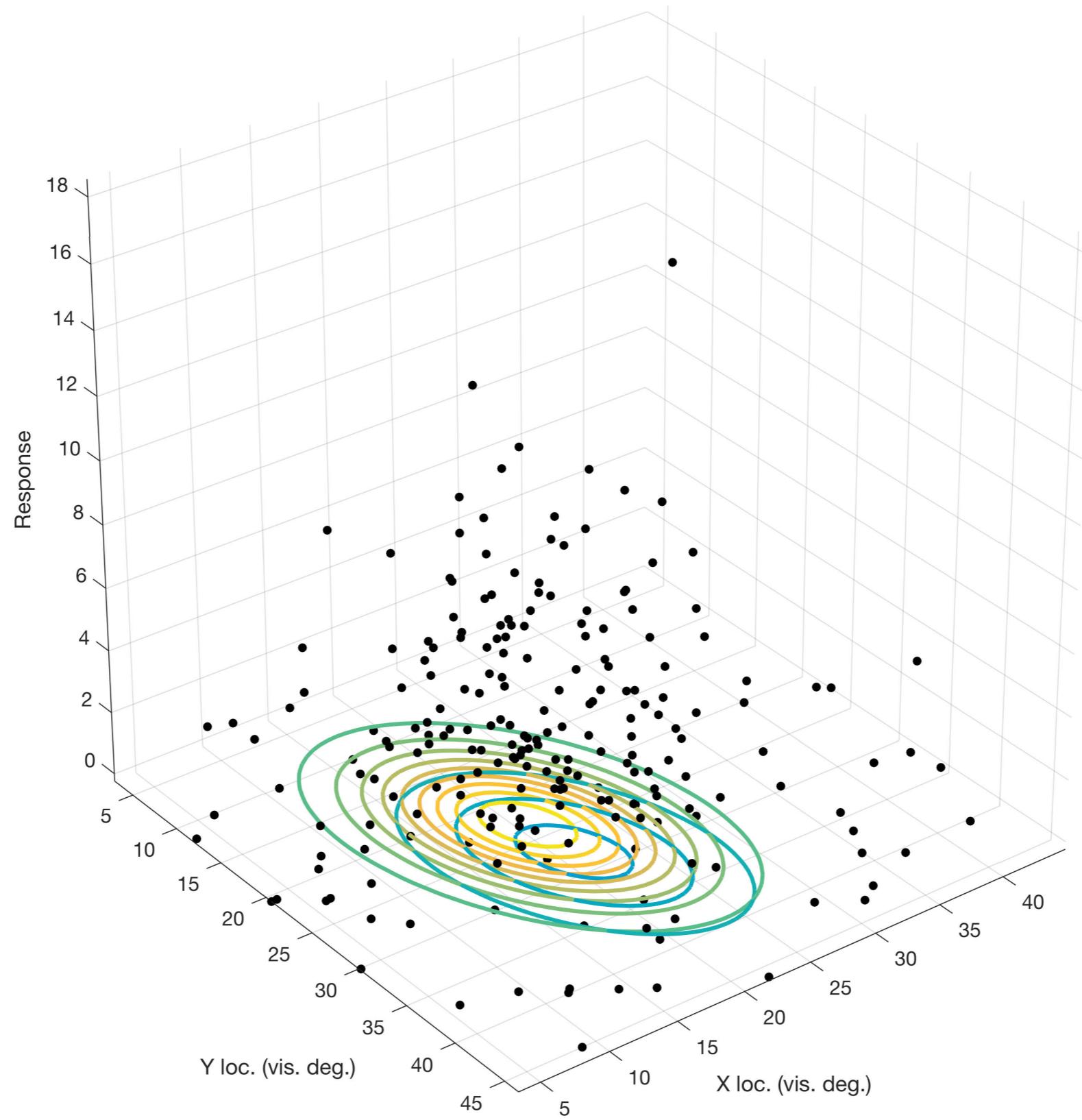
# Receptive field model



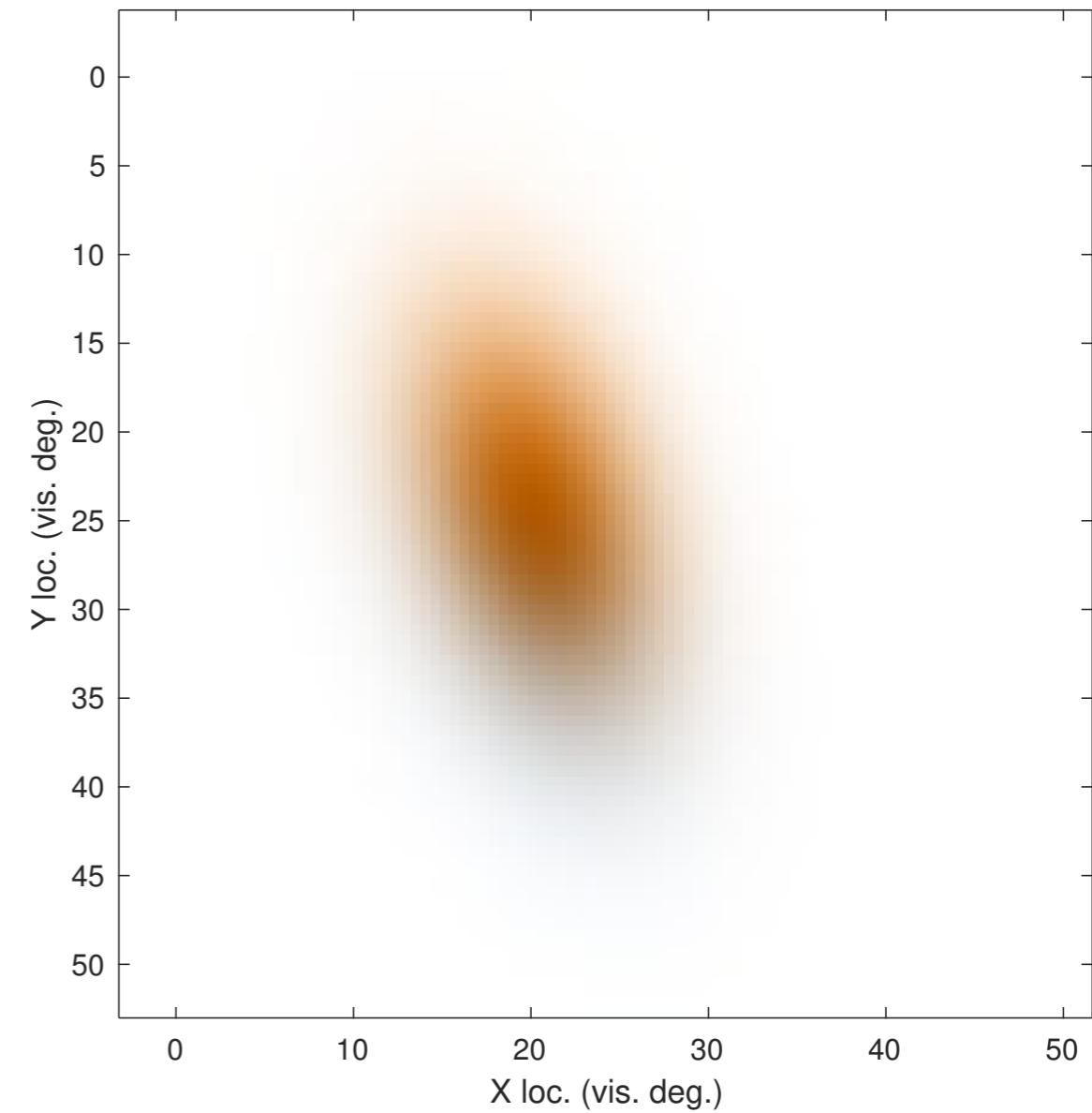
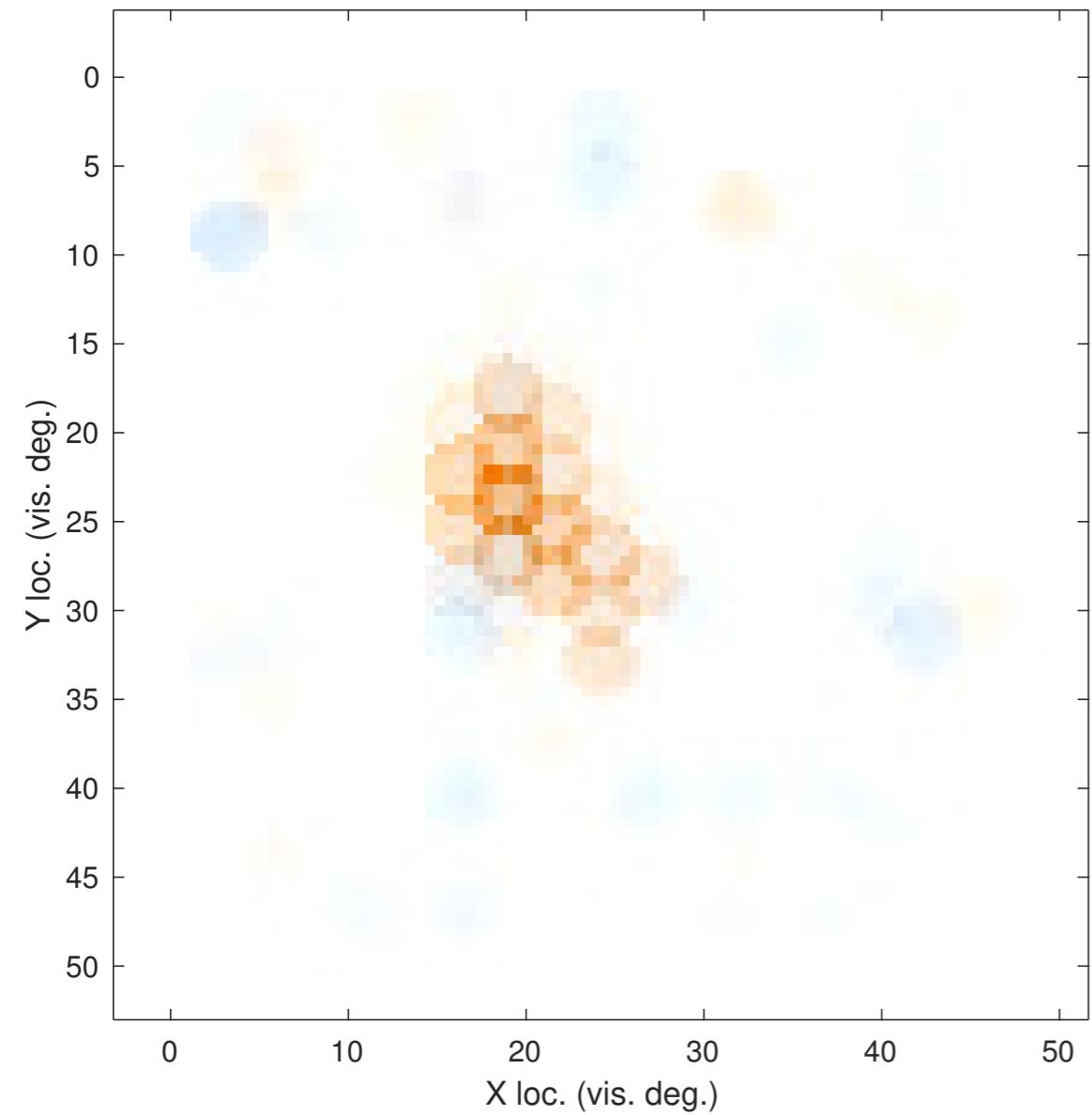
# Full Bayesian model



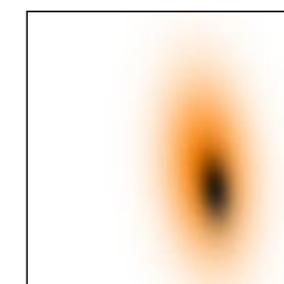
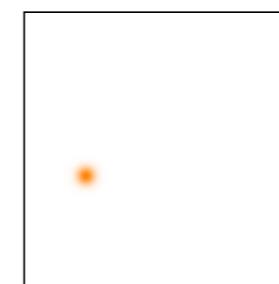
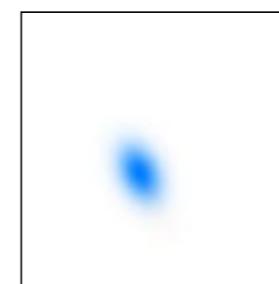
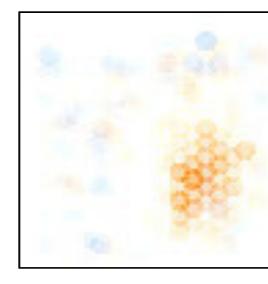
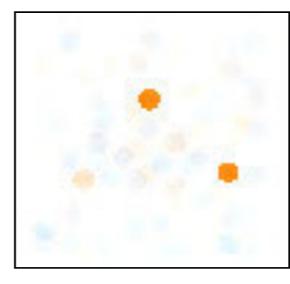
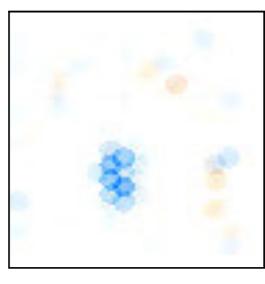
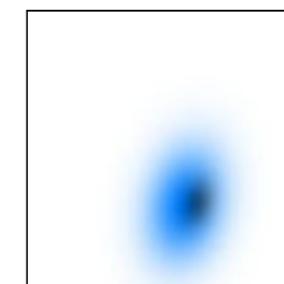
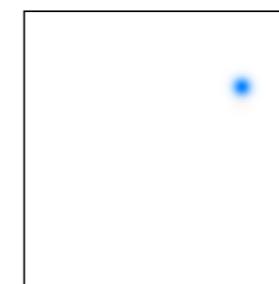
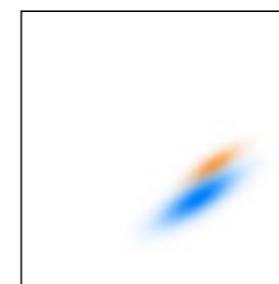
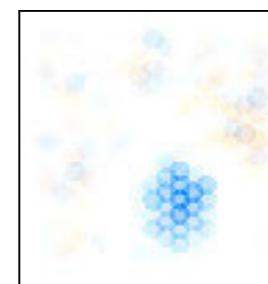
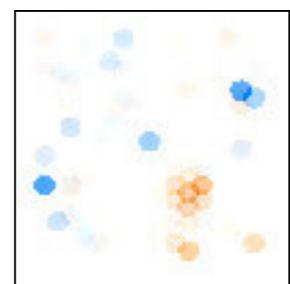
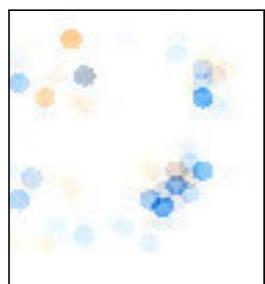
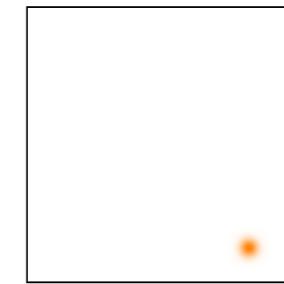
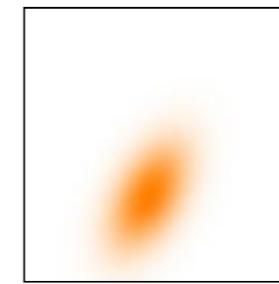
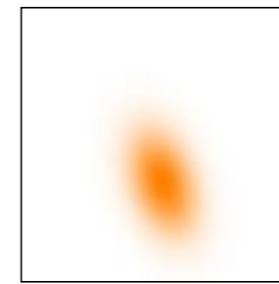
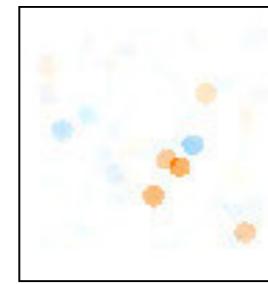
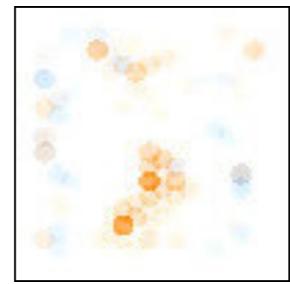
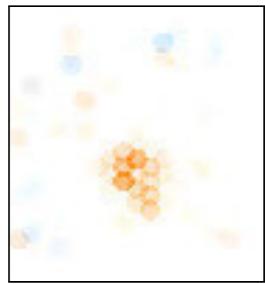
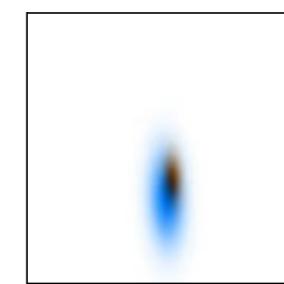
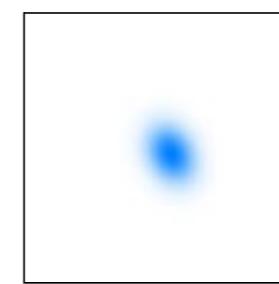
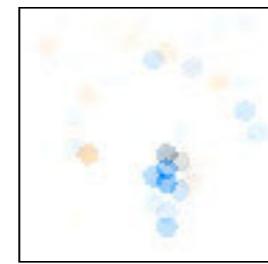
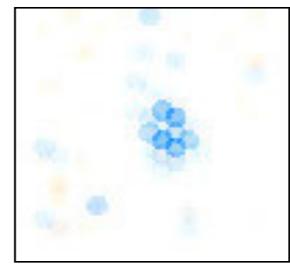
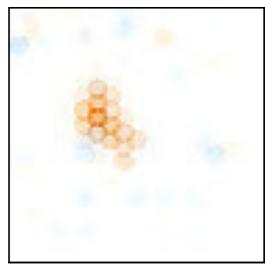
# Single neuron response



# Mean vs Bayesian RF

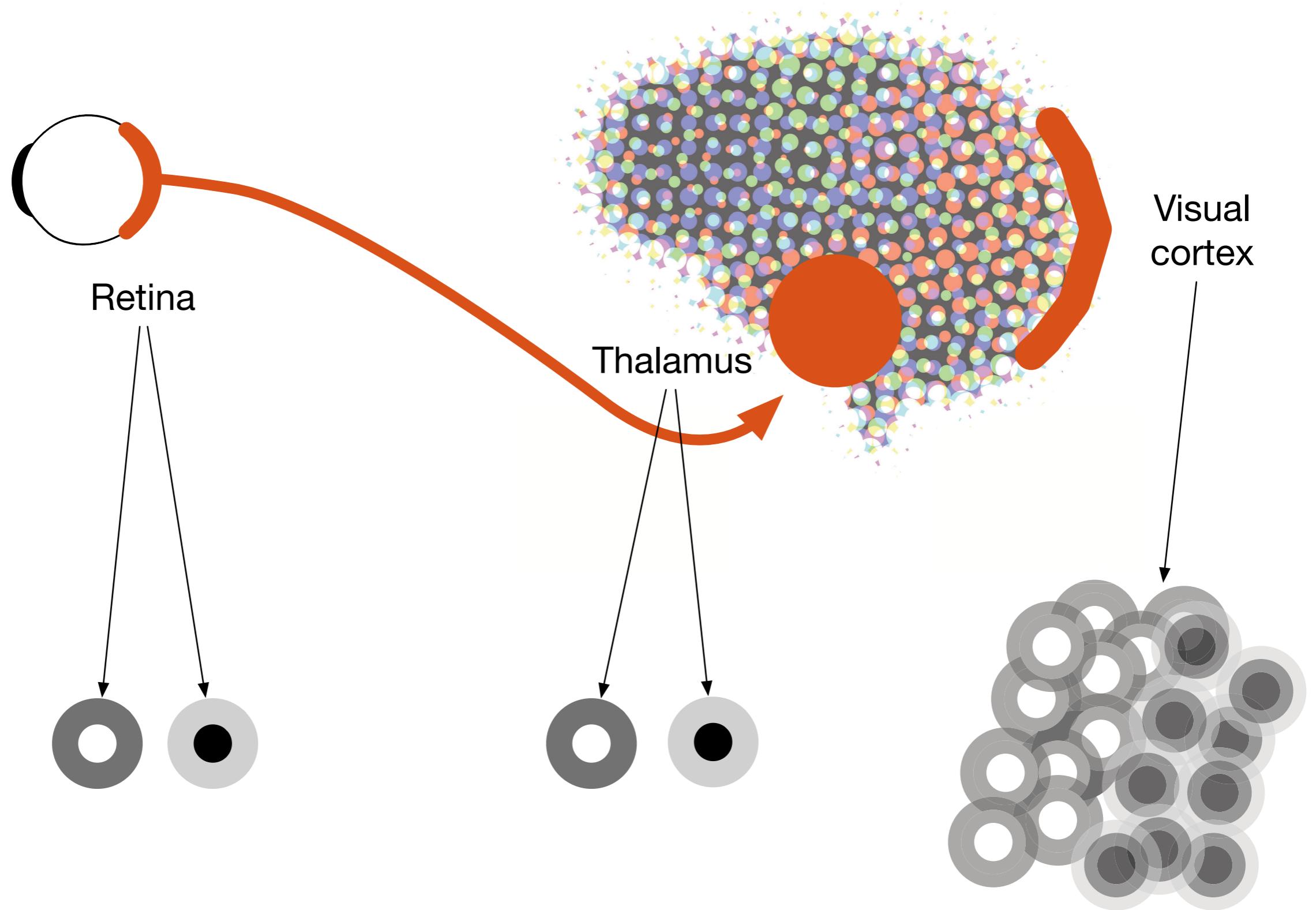


# Mean vs Bayesian RFs

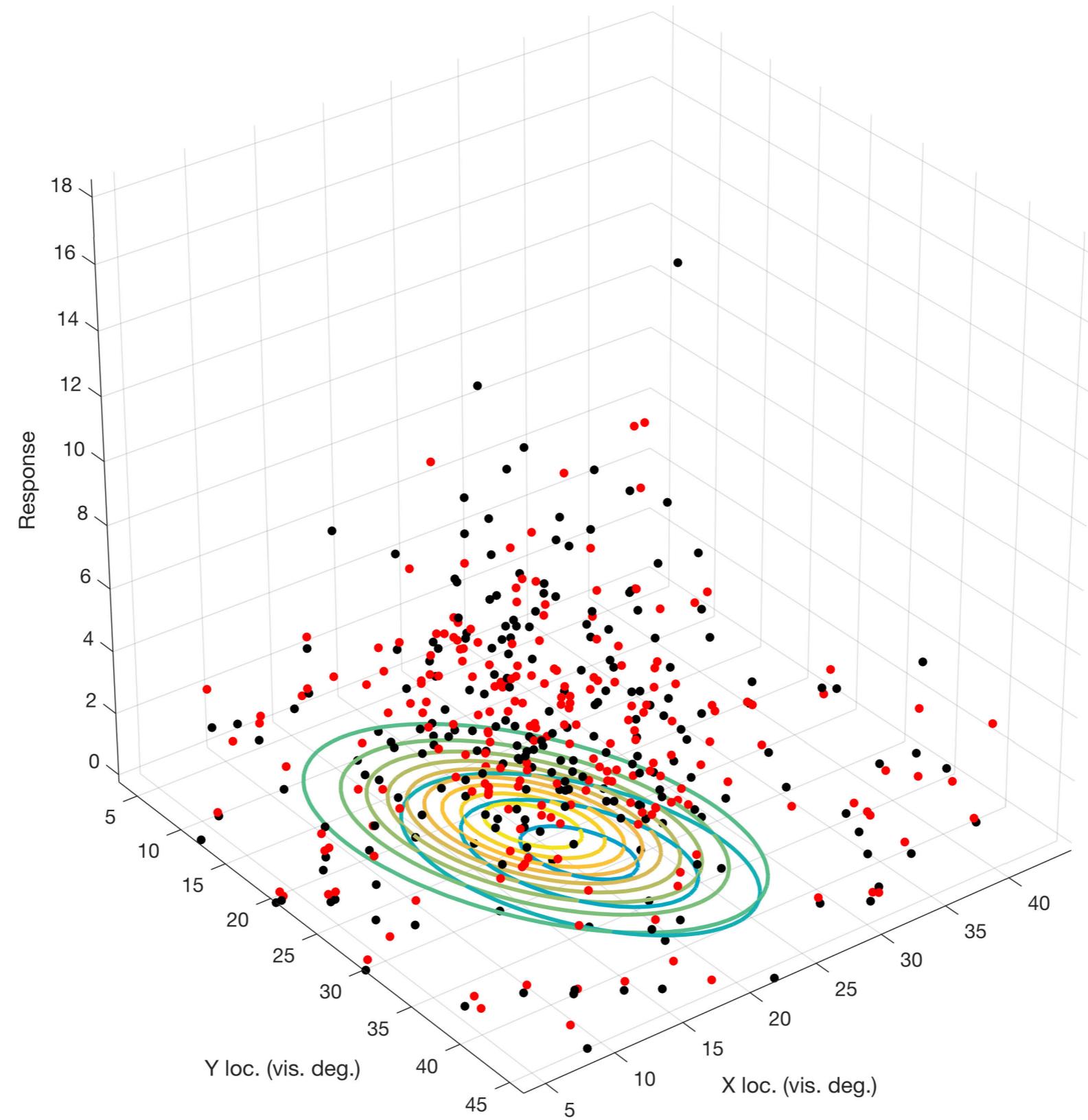




# Visual pathway



# Single neuron prediction



# Sparse noise sequences

