

# Following Sub-population Signal



Team: Superior Colliculi

Mentor: James Murray

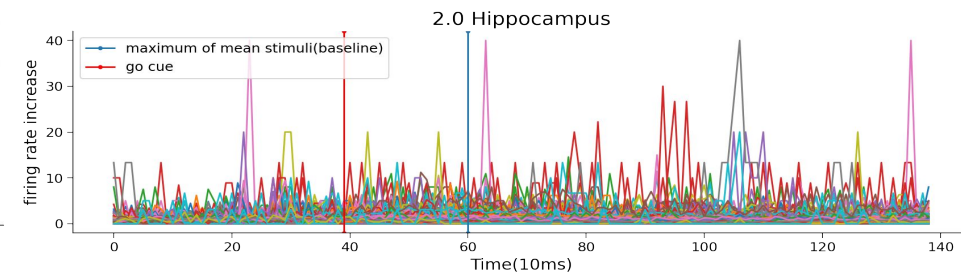
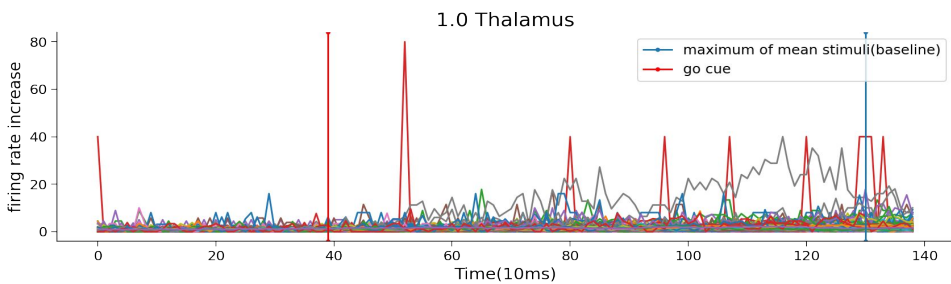
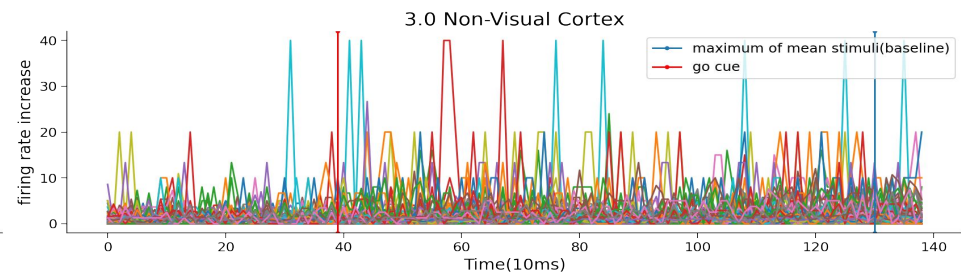
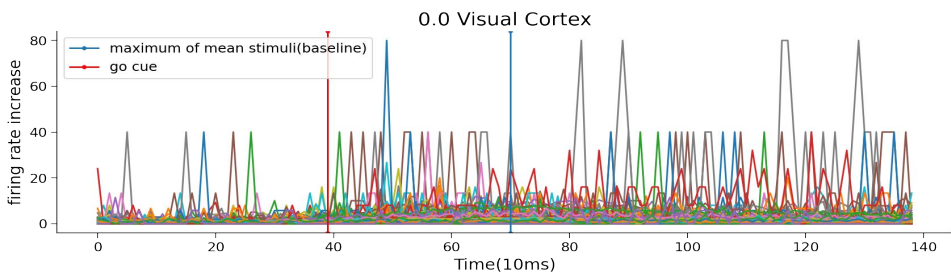


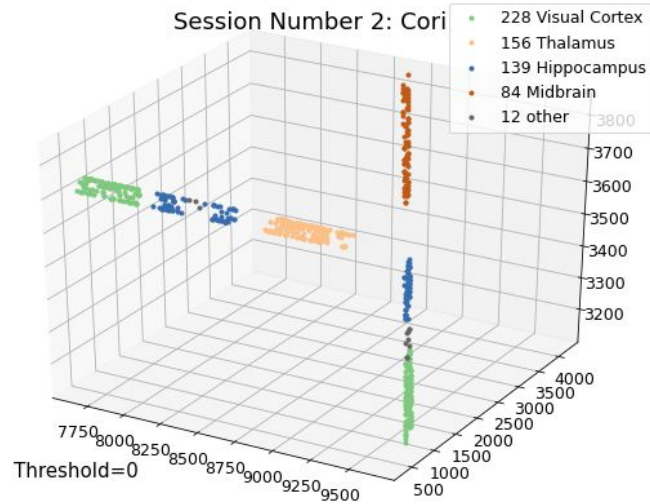
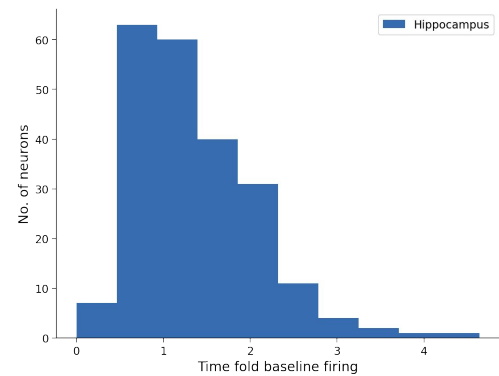
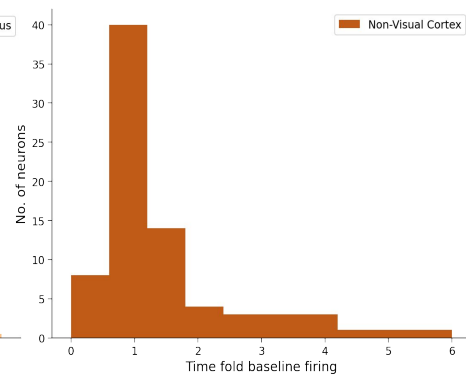
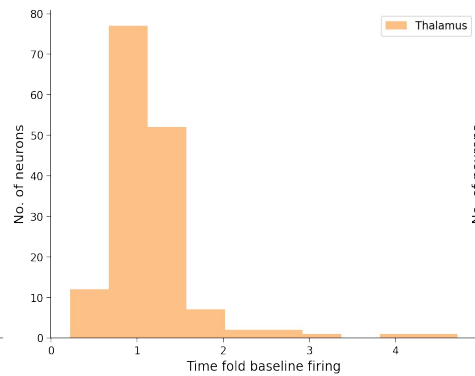
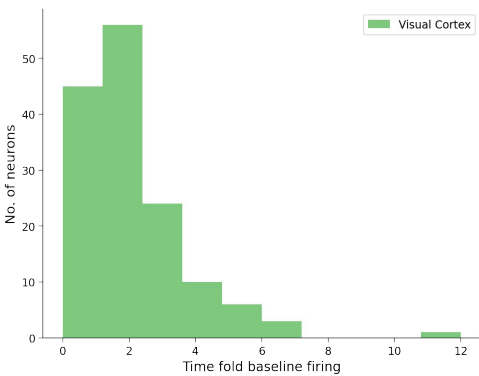
# Project Idea

We were inspired to reveal more insights about the connection between different brain areas and how the subpopulations communicate, like order of firing of specific neuronal type, and the correlation between order of firing between different brain regions.

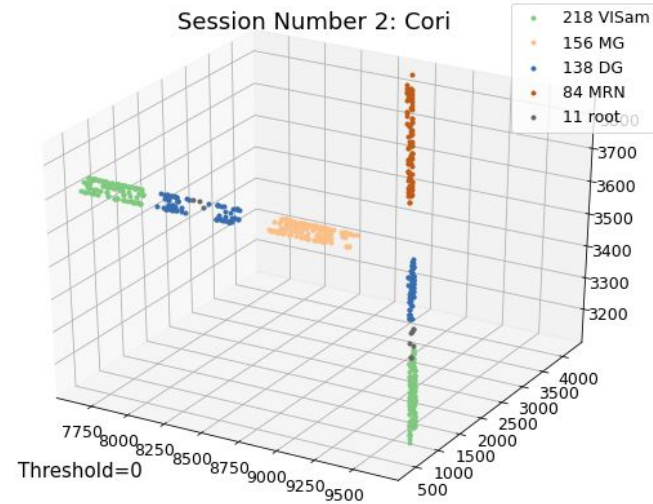


# Firing rate of neurons optimised to pre-stimulus activity





We tried to plot post-stimulus neuronal firing activity as a function of pre-stimulus activity as a way to identify sub clusters that are more prone to stimuli than the others.



# Our Experience



## Mohit

One of the most wonderful experiences of my life was NMA and our project group. Never knew you could create such a bond and actually stimulate your brain working with people in different nations on a zoom call. Manar and Dimitris have been very great and i hope our collaboration doesn't stop here!!



## Manar

Superior Colliculi is fun and wonderful team. I'm lucky I joined Mohit and Dimitris. I enjoyed very much our discussions; Mohit helped us a lot with his coding and data analysis experience, and Dimitris has strong experimental background, together, we had very dynamic and interactive learning process.



## Dimitrios

It was a great experience working with people from different backgrounds! We learned a lot from each other. I hope i get to work with them again in the future!!!

