

MAPPING HUMAN CORTEX

Prof. Alexander Huth

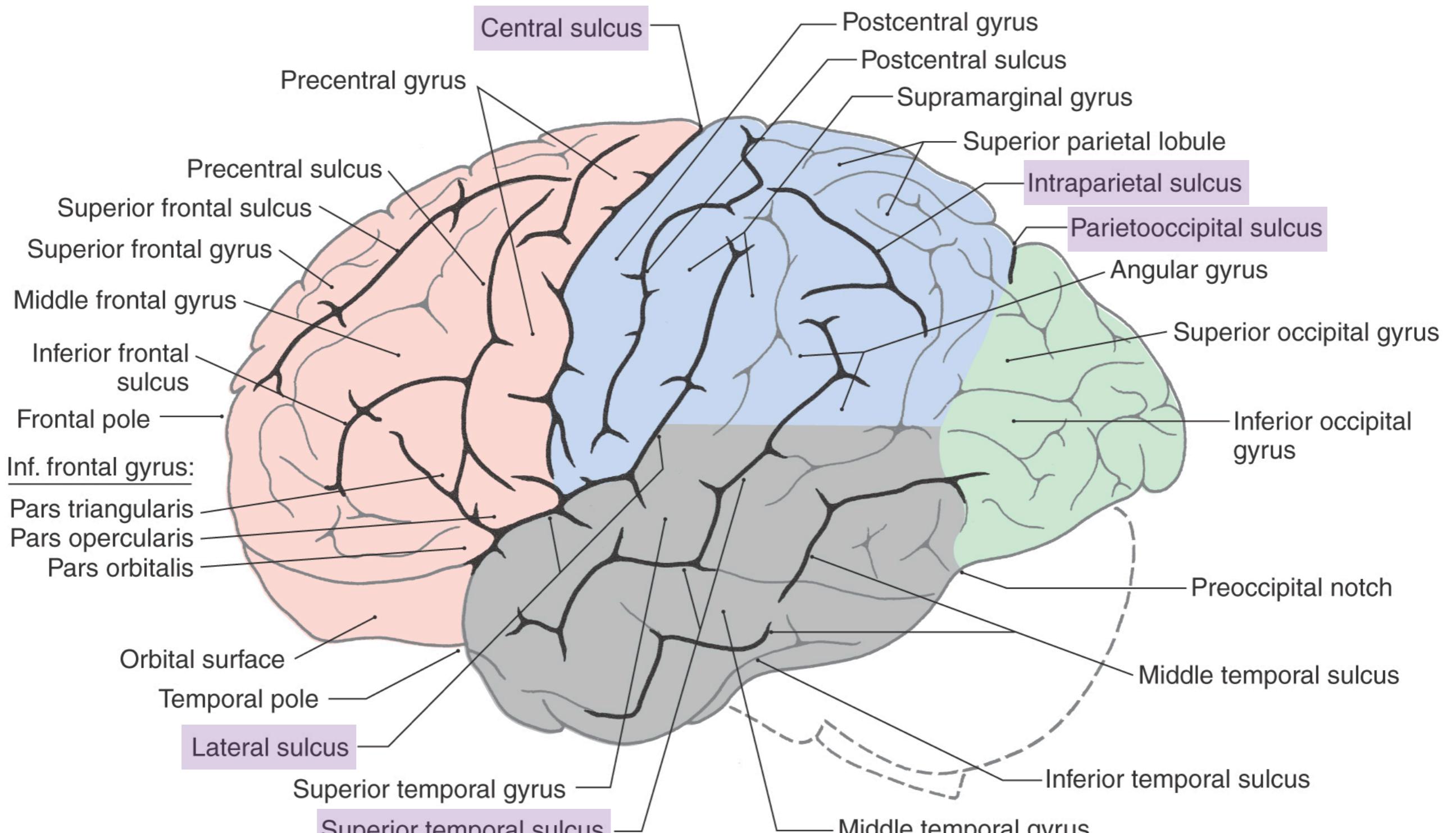
12.3.2020

HOMEWORKS

- * **All done!**
 - * *(If you want to resubmit a HW to get back up to 50% of missed points, you can still do so!)*
- * Your infographics are beautiful 😊 🙌
- * *The plan:* I'll create 3-D viewers for each of your infographics & share the links with you

LOOKING BACK

- * We've talked about a lot of different parts of the cortex
 - * (but not all of them 😞)
- * I hope you've enjoyed learning about what all these different parts of our brains do!

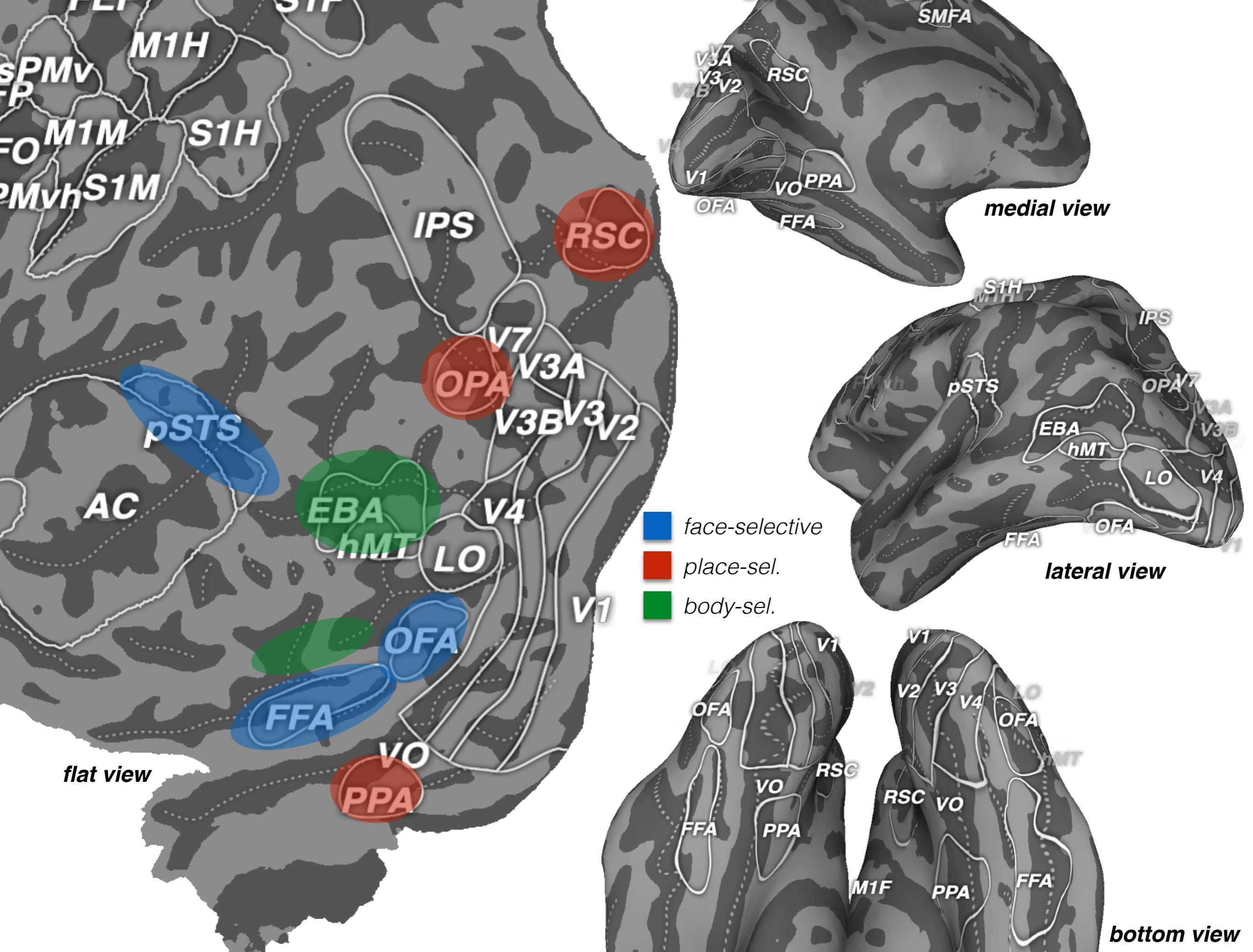


Frontal lobe

Parietal lobe

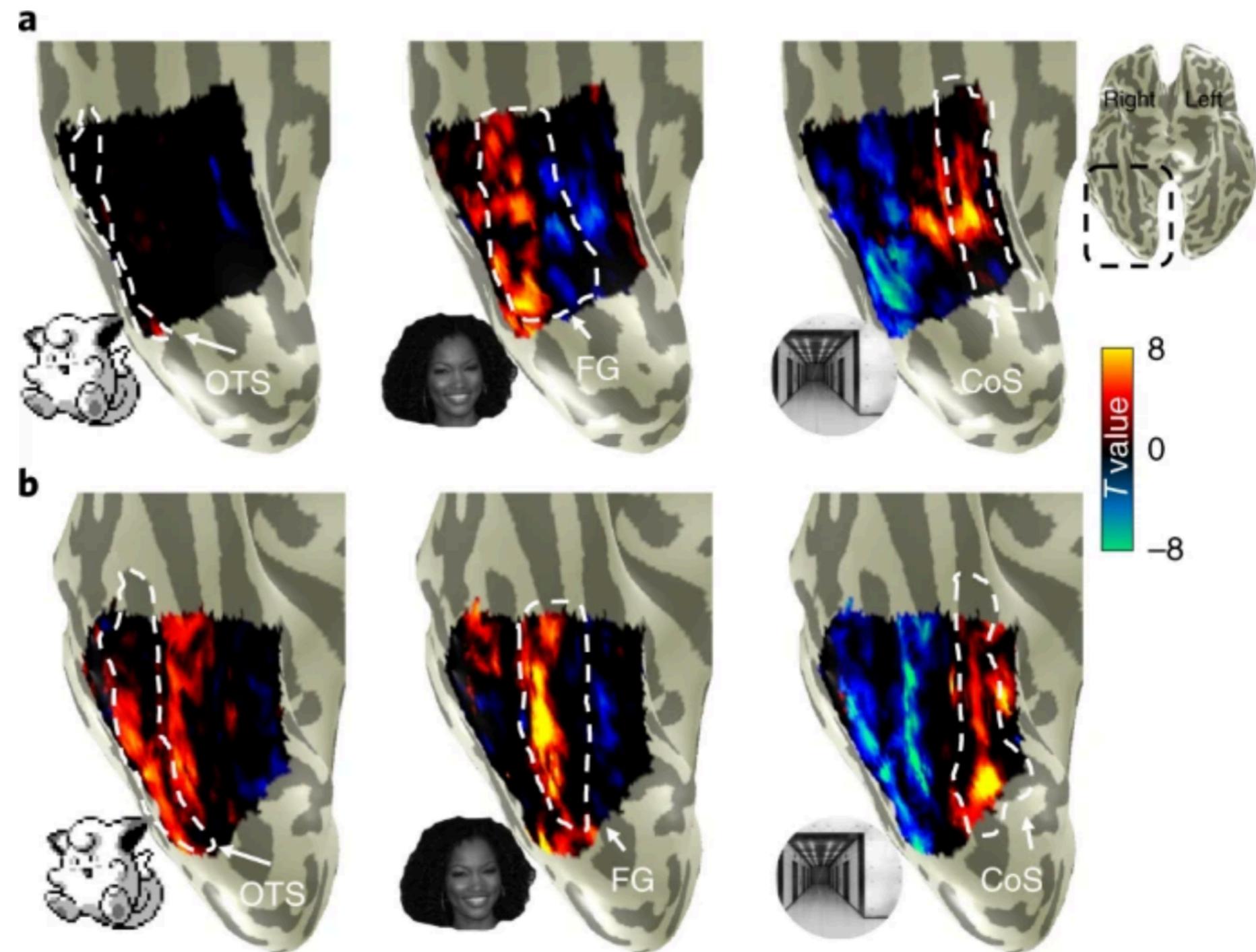
Temporal lobe

Occipital lobe



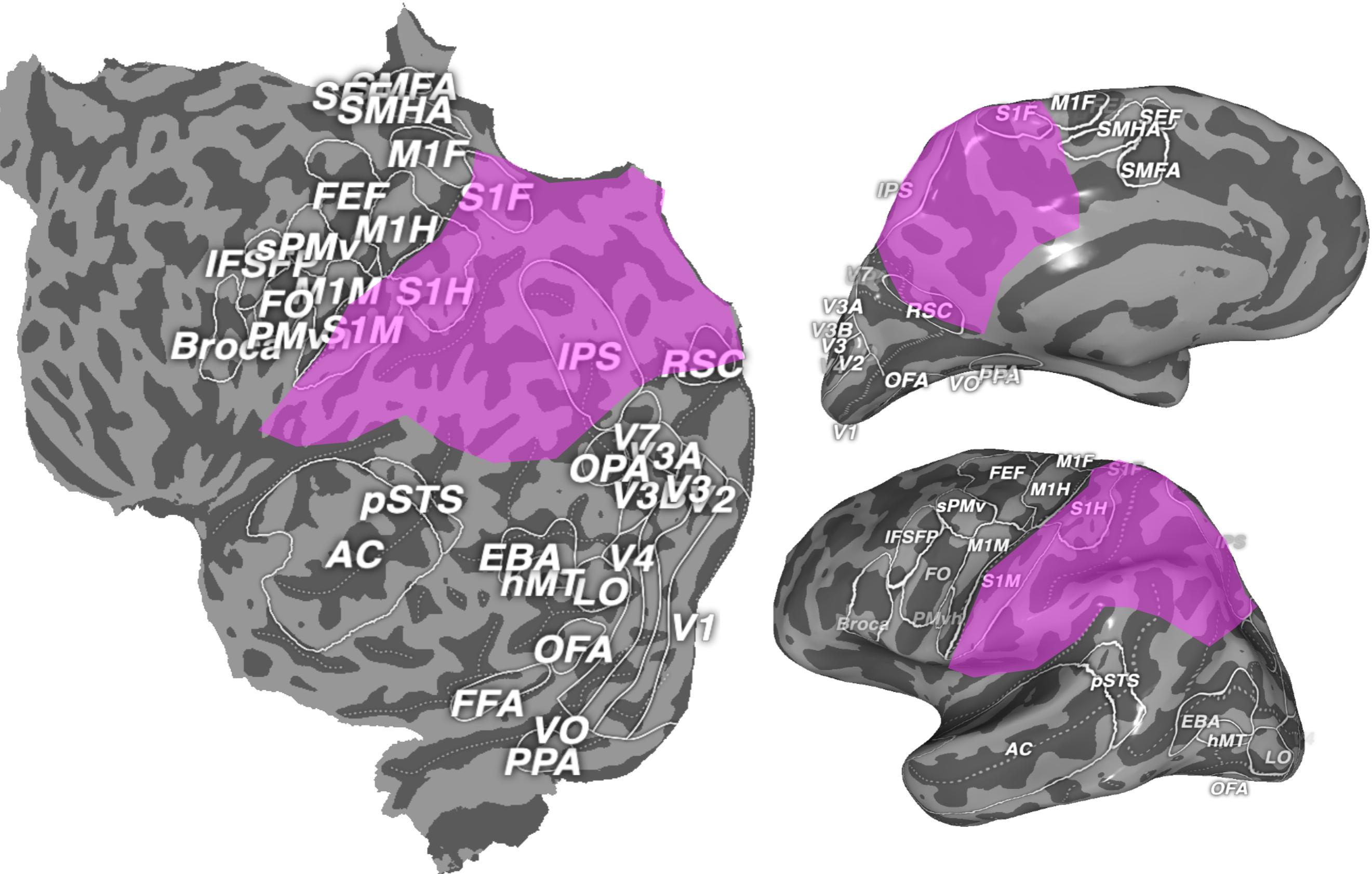
POKÉMON CORTEX

Pokemon
naive:



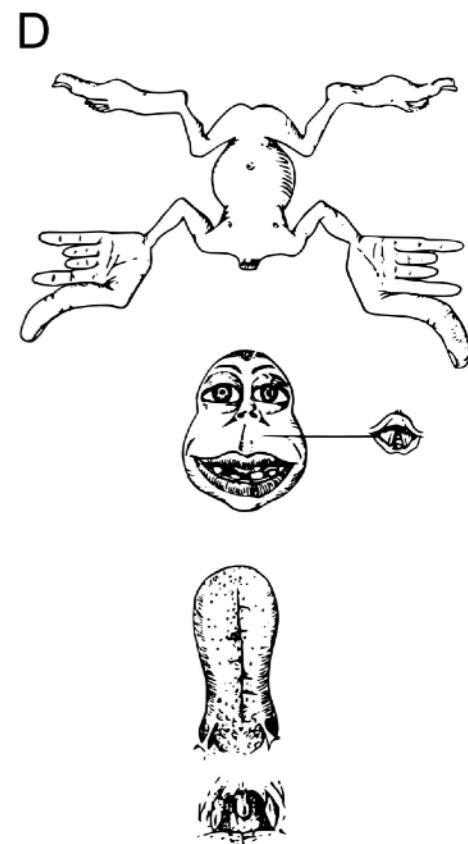
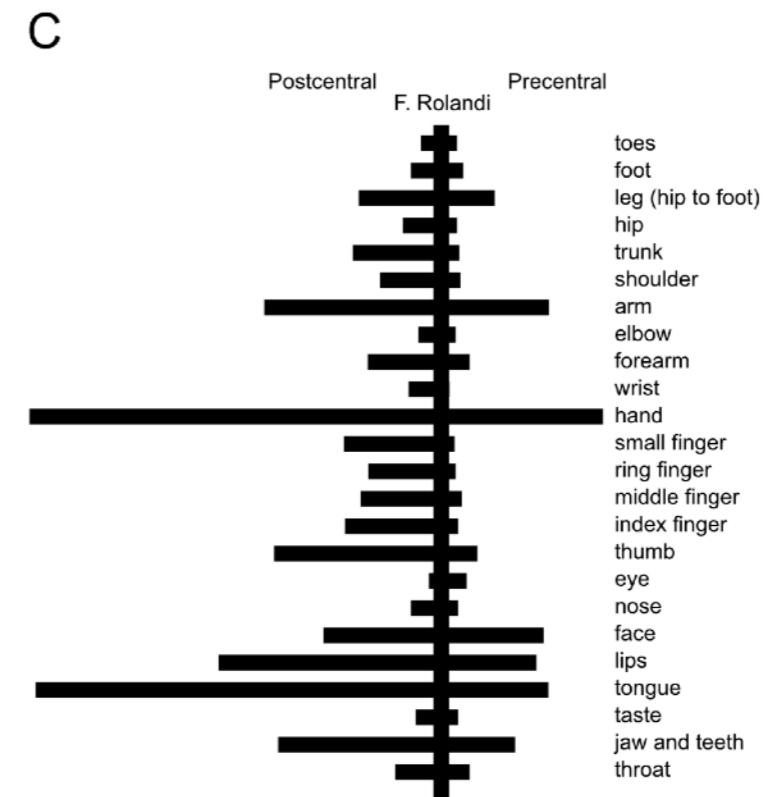
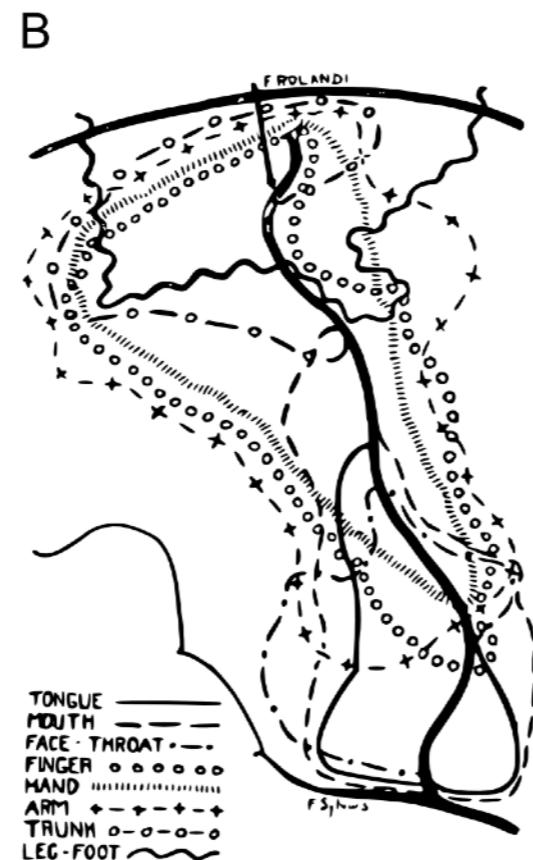
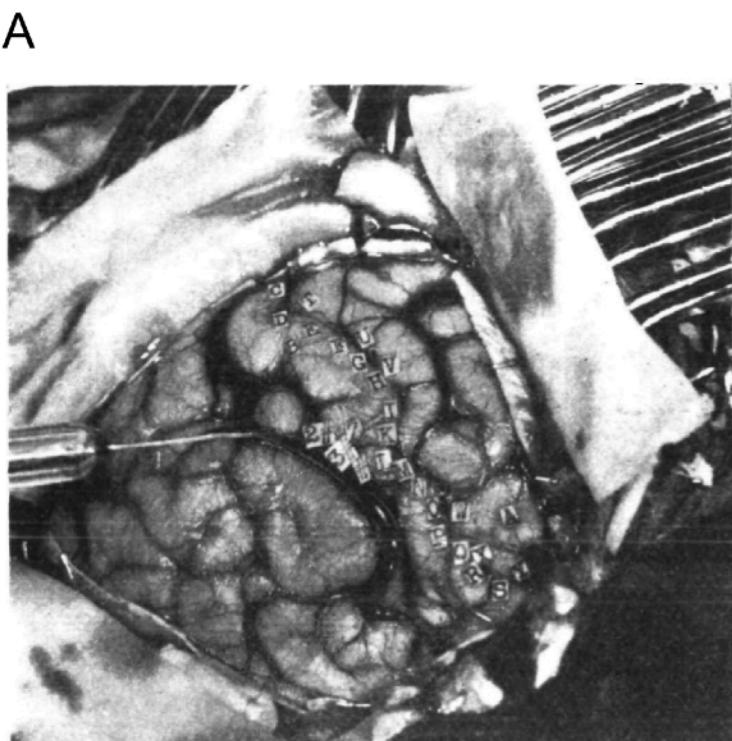
Pokemon
experienced:

PARIETAL CORTEX

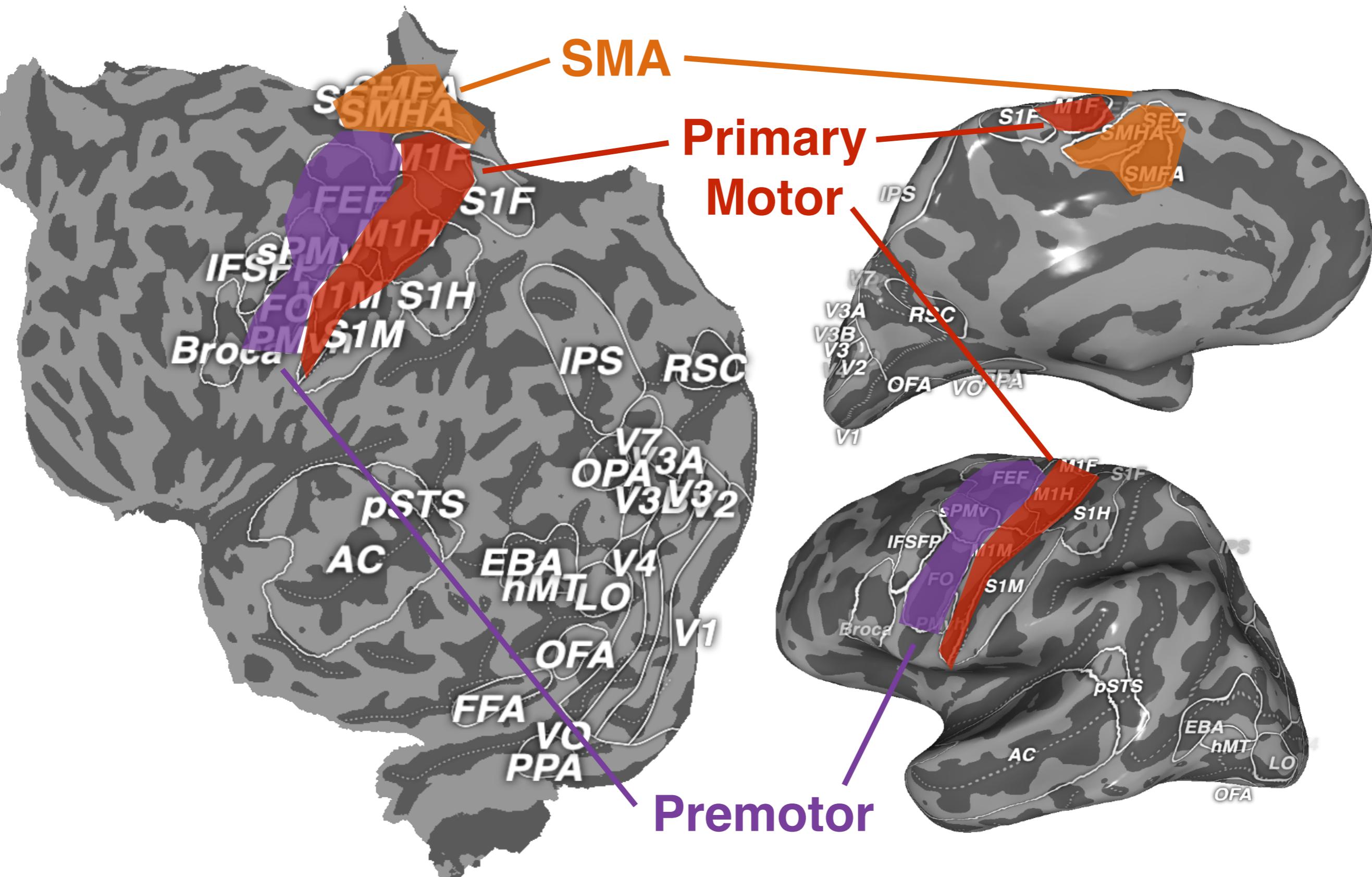


SOMATOTOSENSORY CORTEX

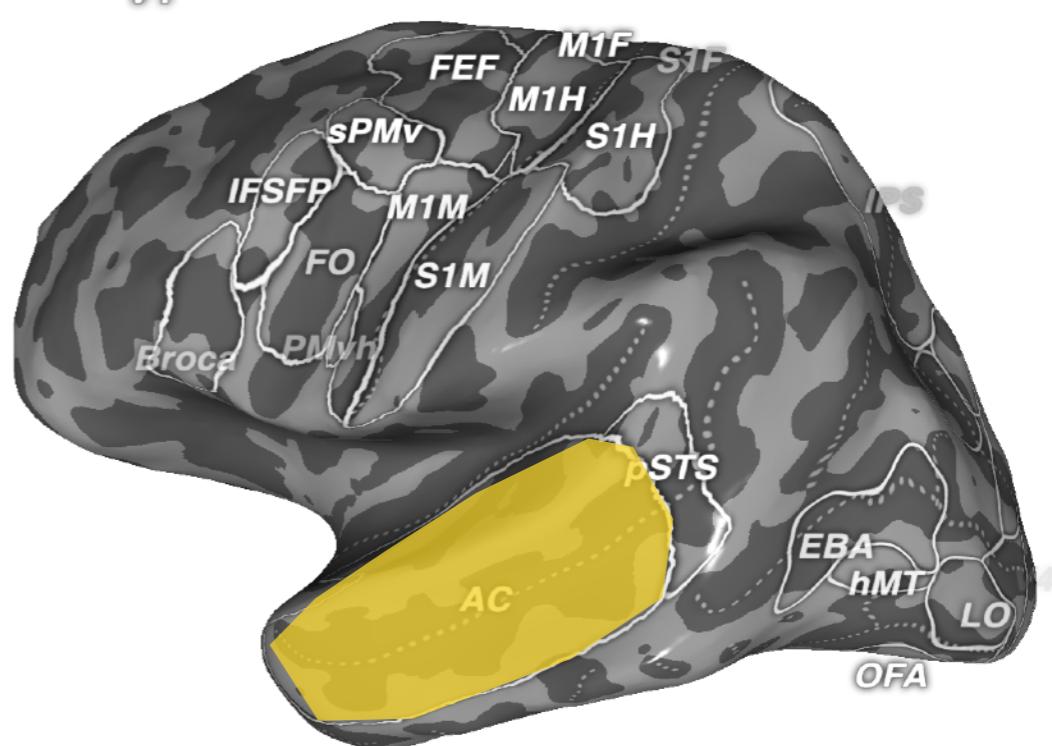
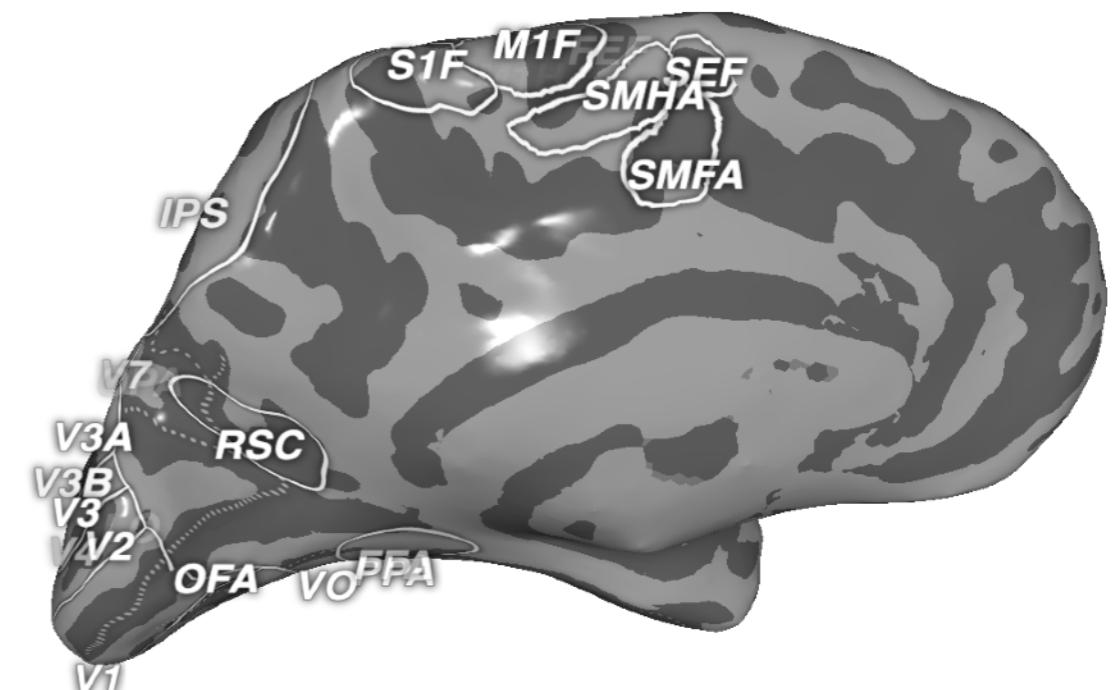
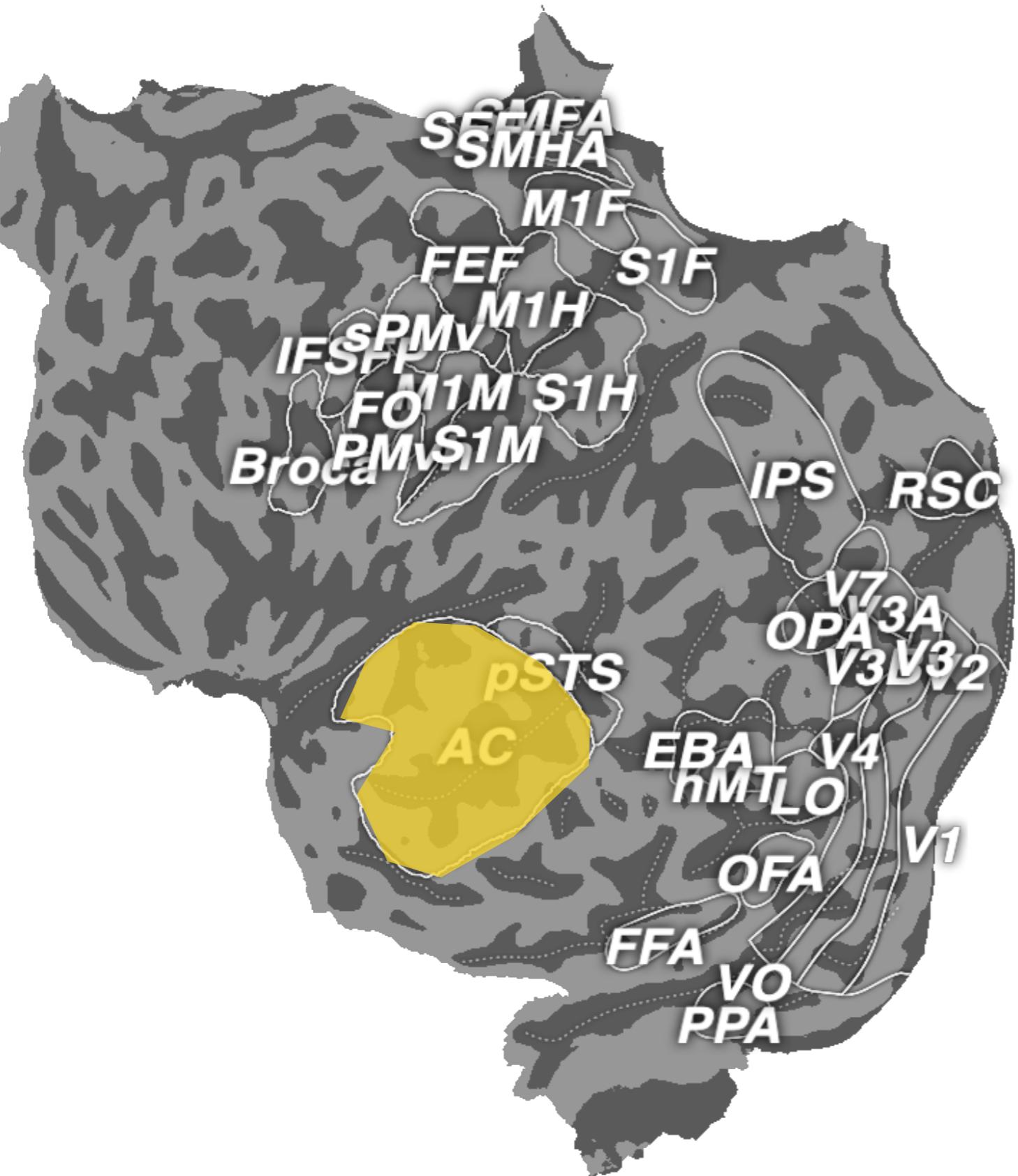
- * Intra-surgical stimulation experiments
(Penfield & Boldrey, 1937)



MOTOR CORTEX



AUDITORY CORTEX



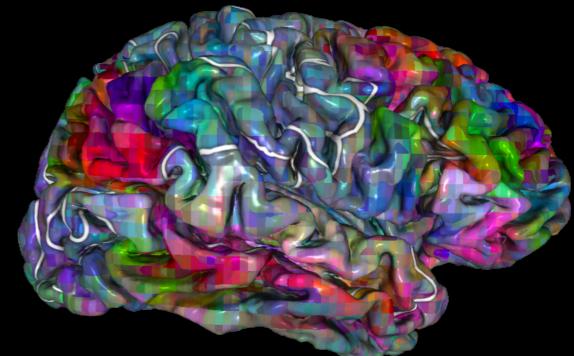
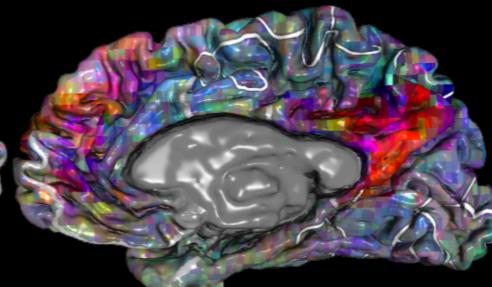
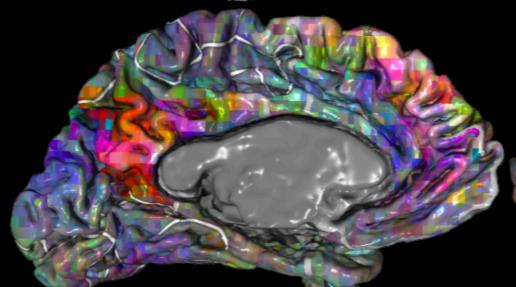
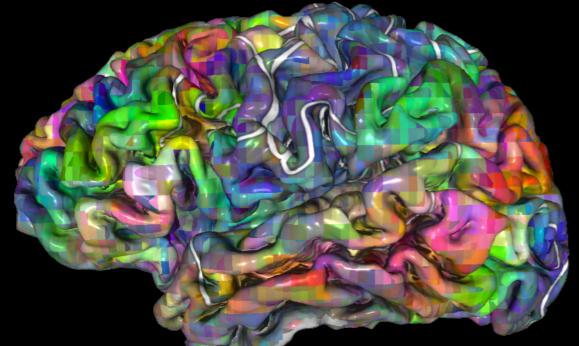
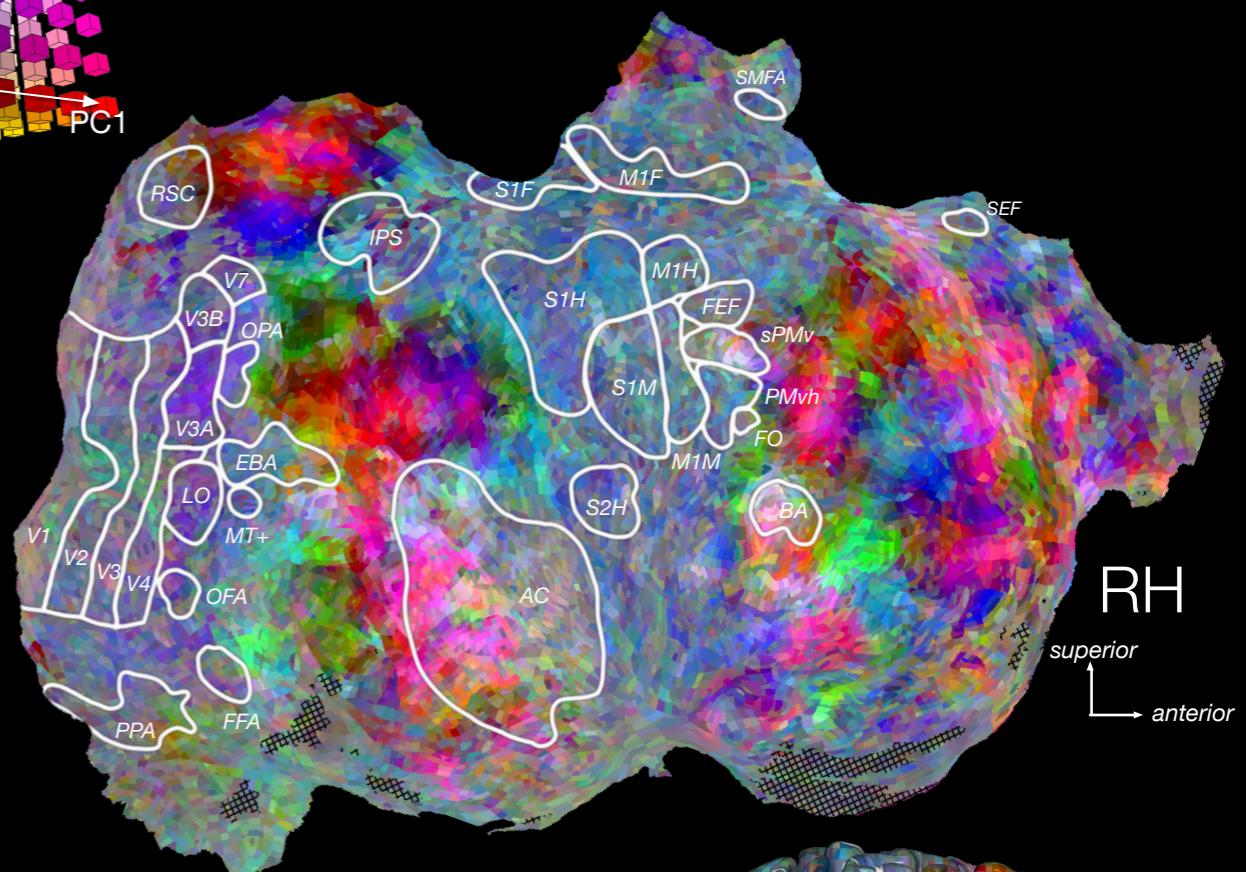
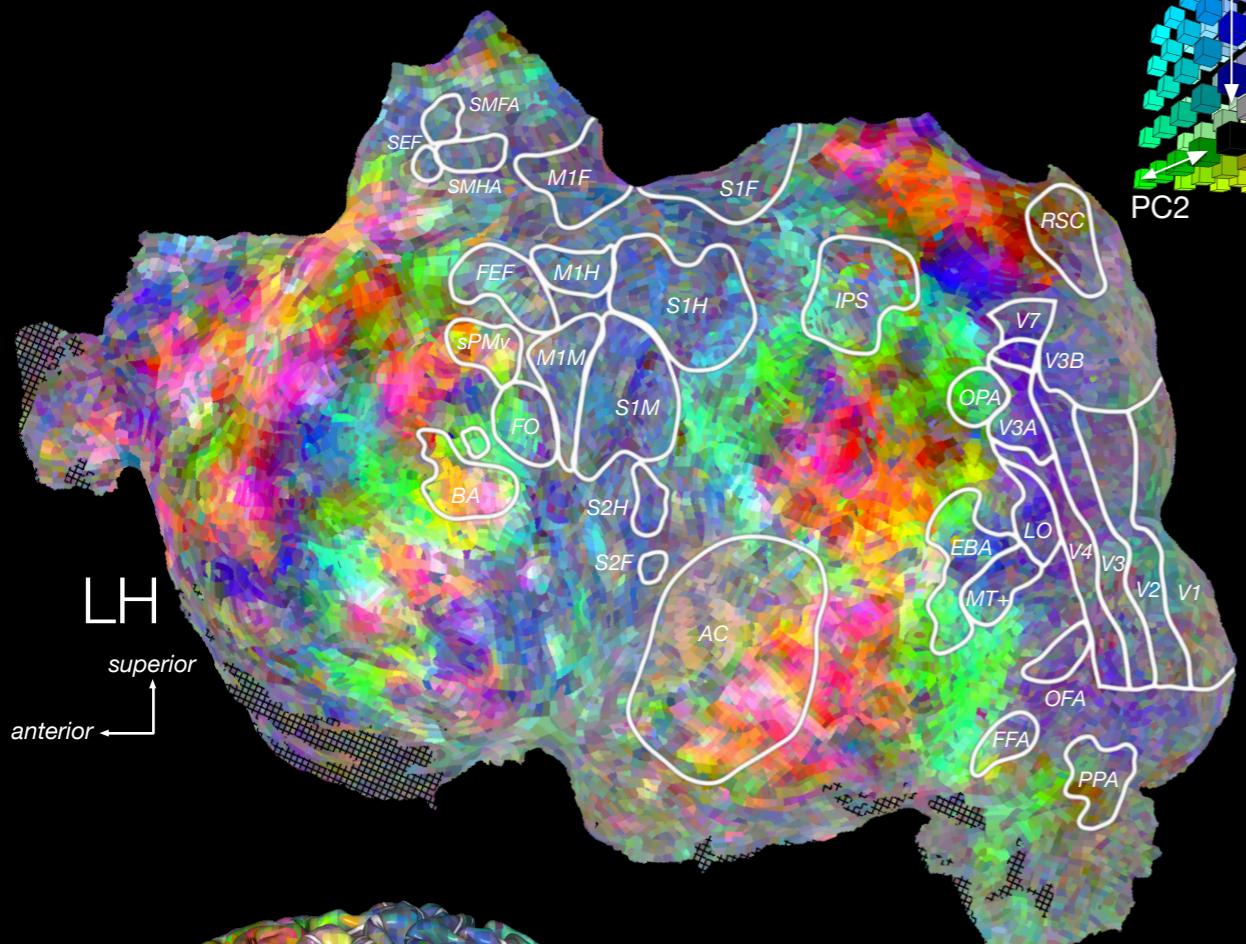
ASSOCIATION CORTEX

visual
tactile
abstract
numeric

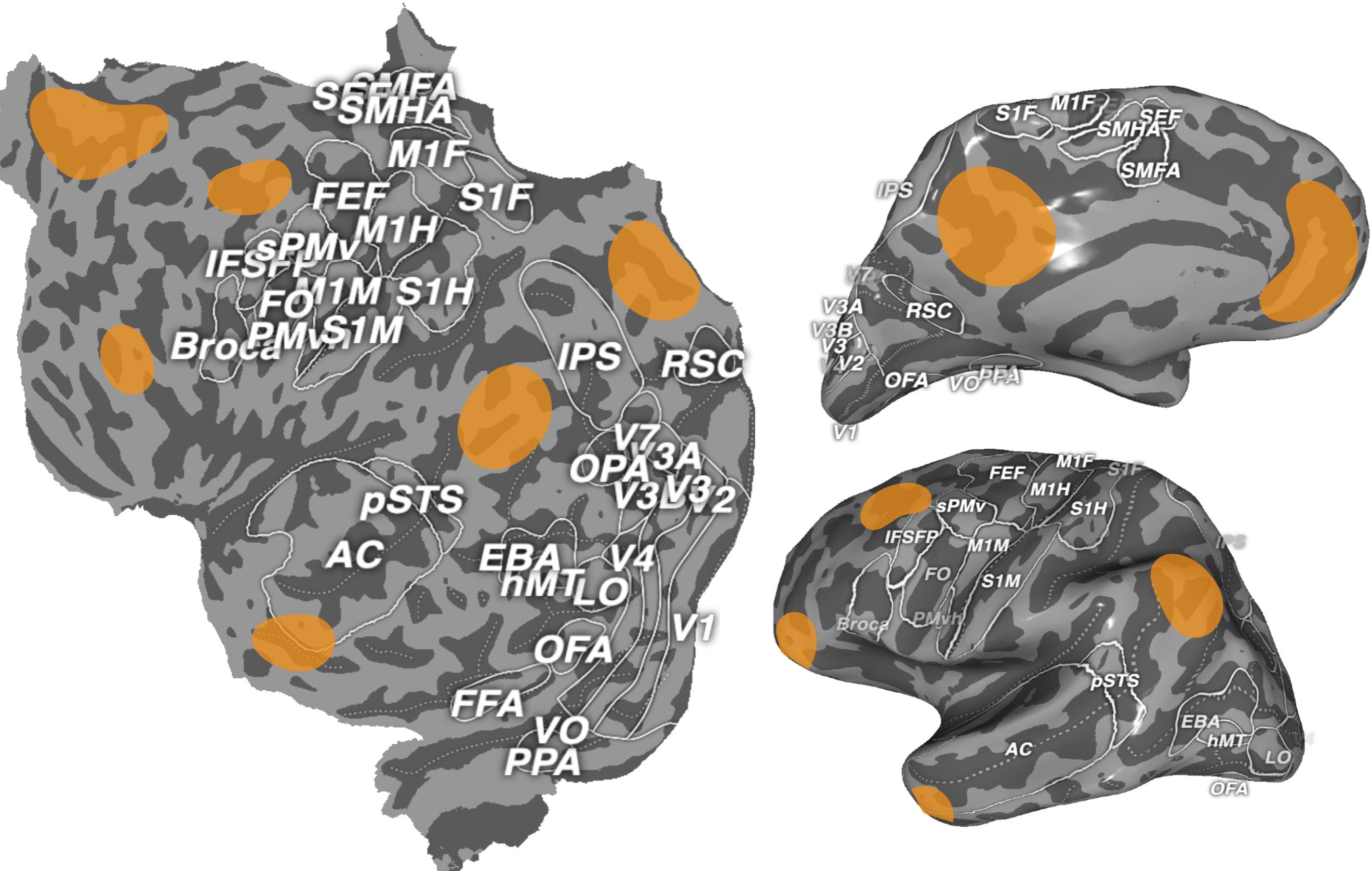
violent
communal
emotional
social

locational
PC2
PC1

temporal
professional
mental



DEFAULT MODE NETWORK



LOOKING FORWARD

- * There are a lot of things that we didn't get the chance to cover... so stay interested in brains!
 - * We didn't talk about different types of neurons
 - * We didn't talk about computations or computational models
 - * We didn't talk about the laminar structure of cortex
 - * And so much more!

THANKS

FOR THE

MEMORIES