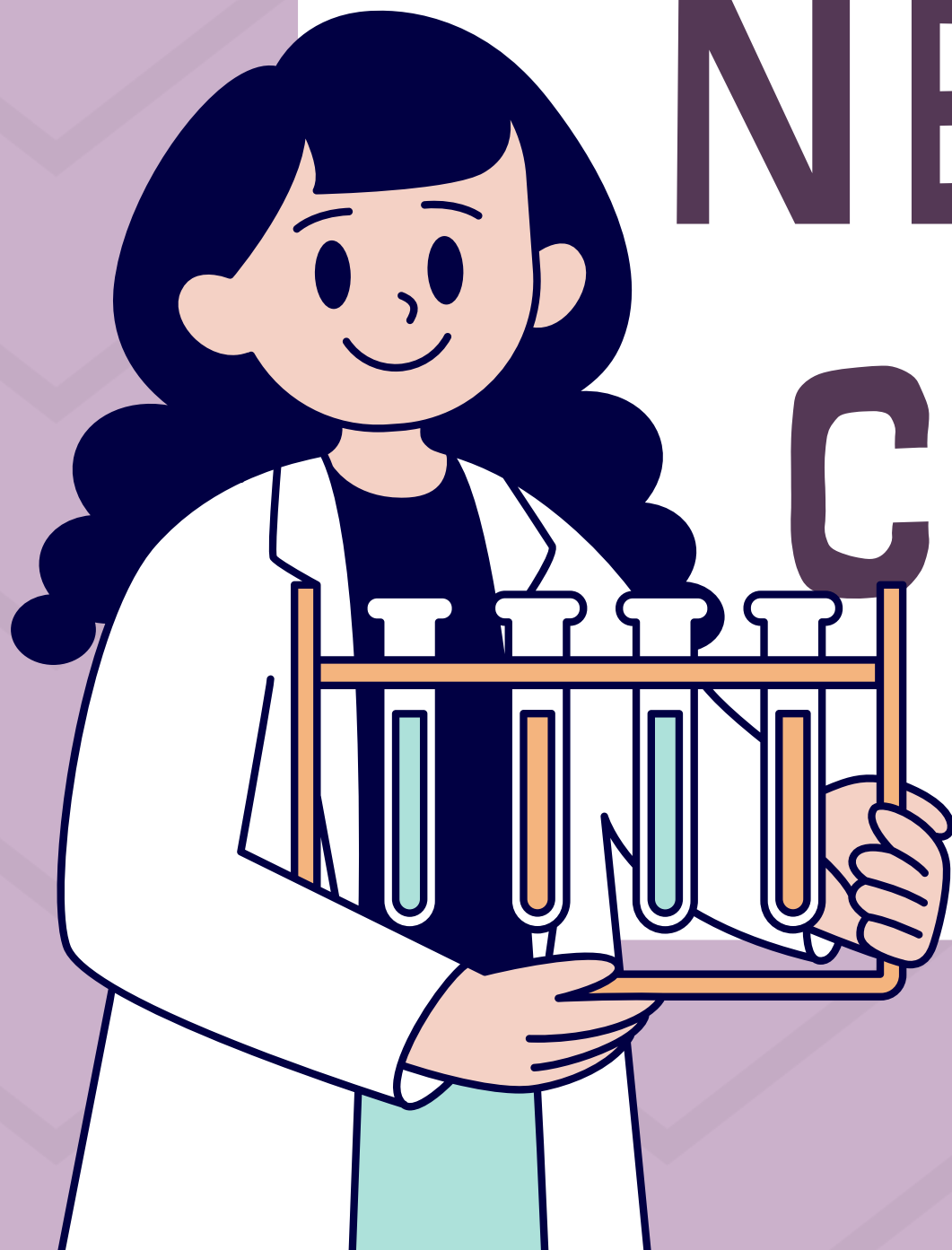


BY WARSHA LOHANA

# NEUROSCIEN CE PROJECT

PRESENTATION



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# DCM AND DMN

## DMN

The Default Mode Network (DMN) is a brain network that becomes active when the brain is at rest. It is crucial for processes like self-reflection, emotional processing, social interaction, and mental exploration.

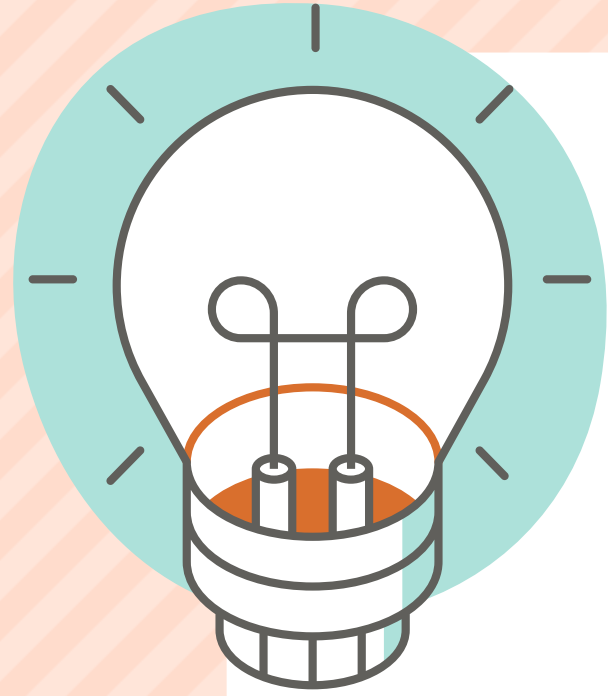
**DCM (Dynamic Causal Modeling):**

DCM is used to see how one brain region influences another. It tells us who is “driving” activity in which part of the brain.

**DMN (Default Mode Network)**

The DMN is a group of brain regions that become active when you are not focused on the outside world. It turns on when you are resting, daydreaming, thinking about yourself, or remembering the past.



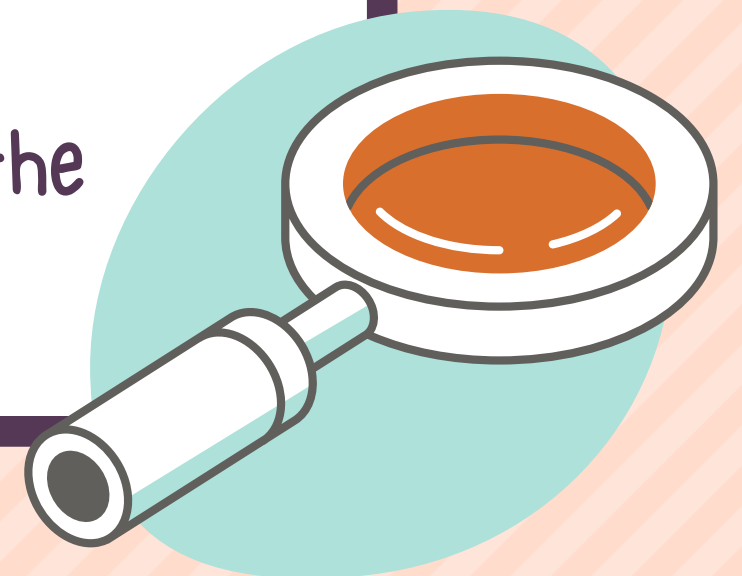


# BRAIN CONNECTIVITY

**Structural Connectivity:** The brain's physical connections – the actual "wires" (axons and pathways) that link different parts of the brain. Think of it like the roads connecting cities.

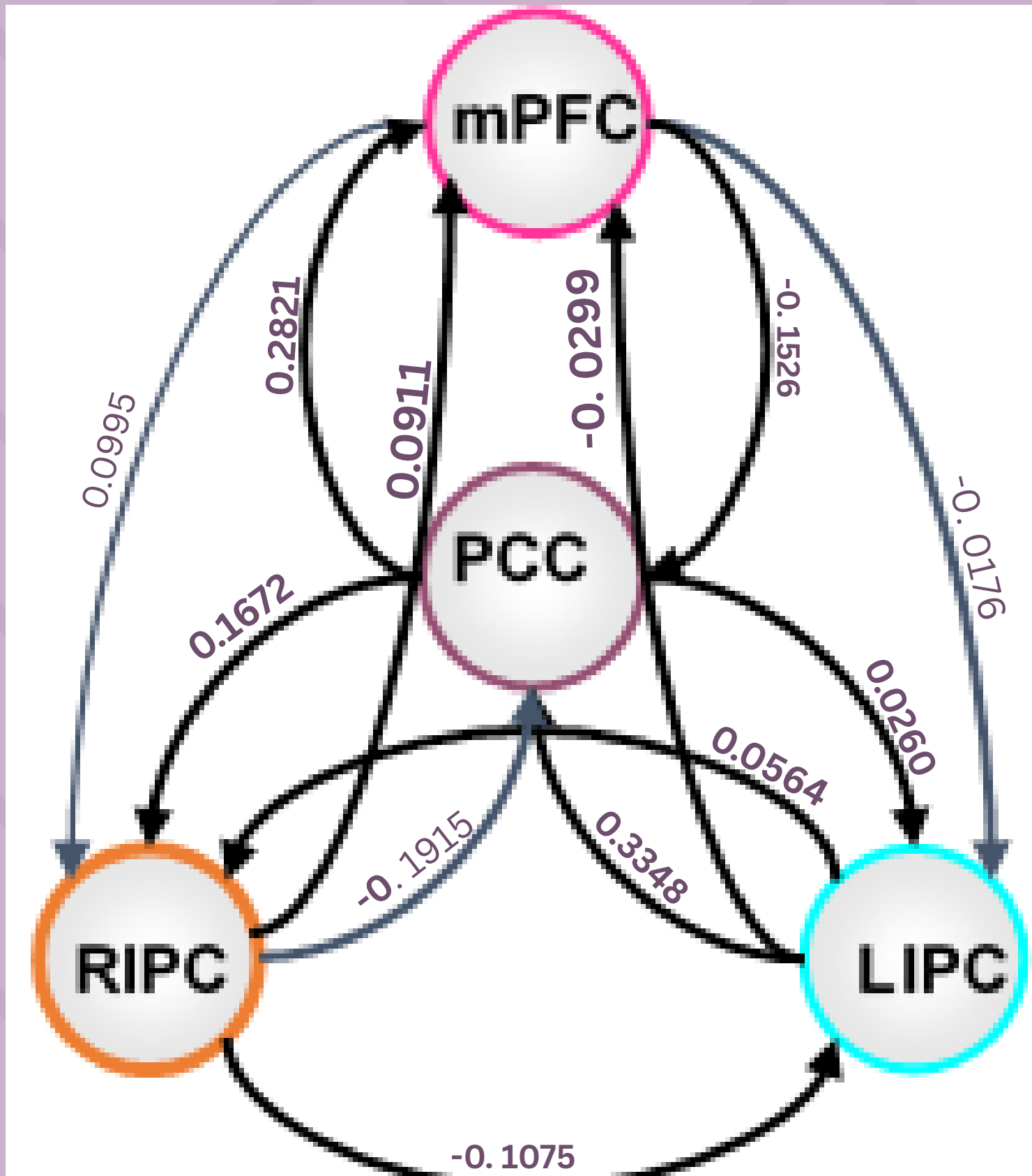
**Functional Connectivity:** How different brain areas work together. If two areas are active at the same time, they are functionally connected, even if there is no direct "road" between them.

**Effective Connectivity:** Shows who influences whom in the brain. It tells us which area controls or drives activity in another area.



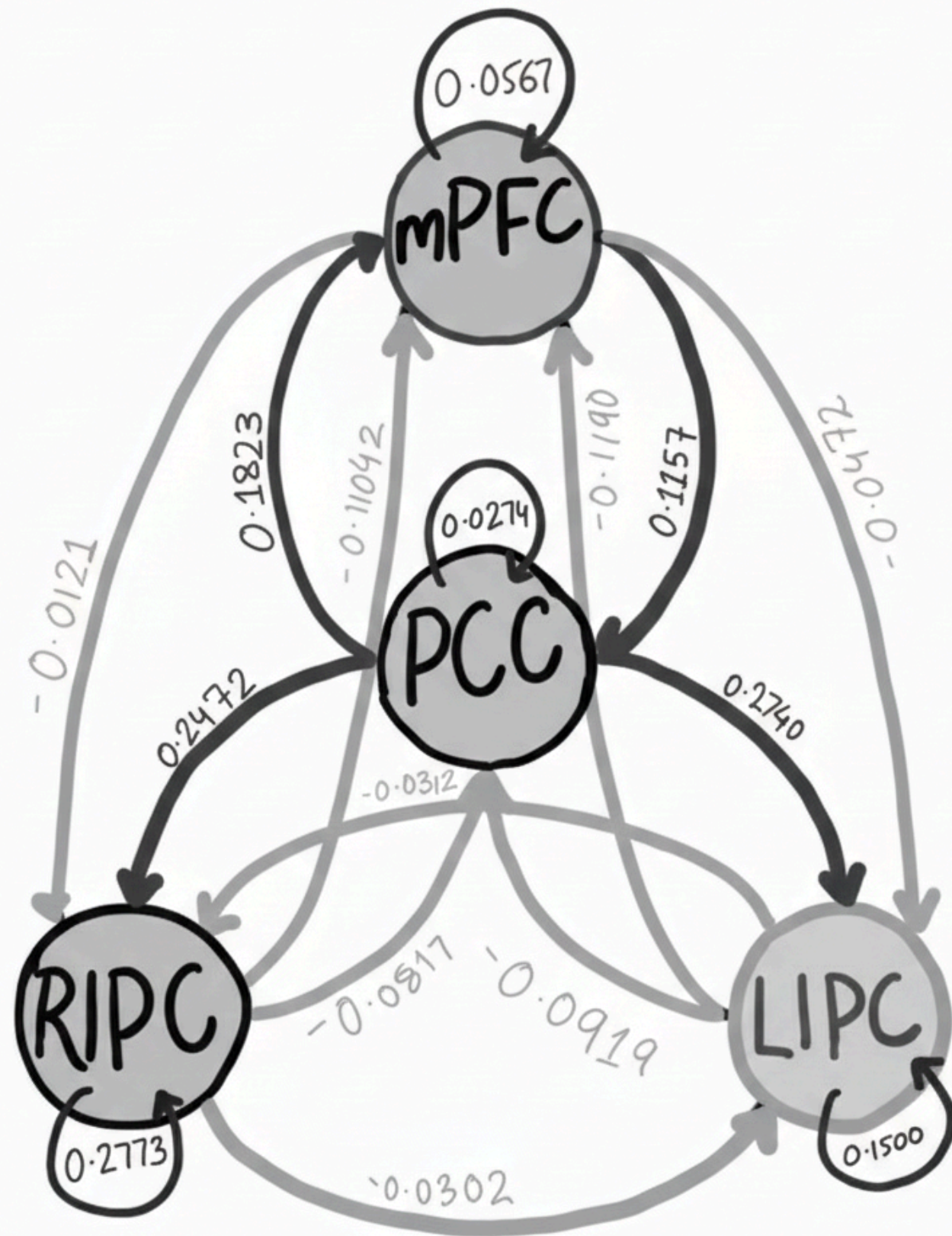
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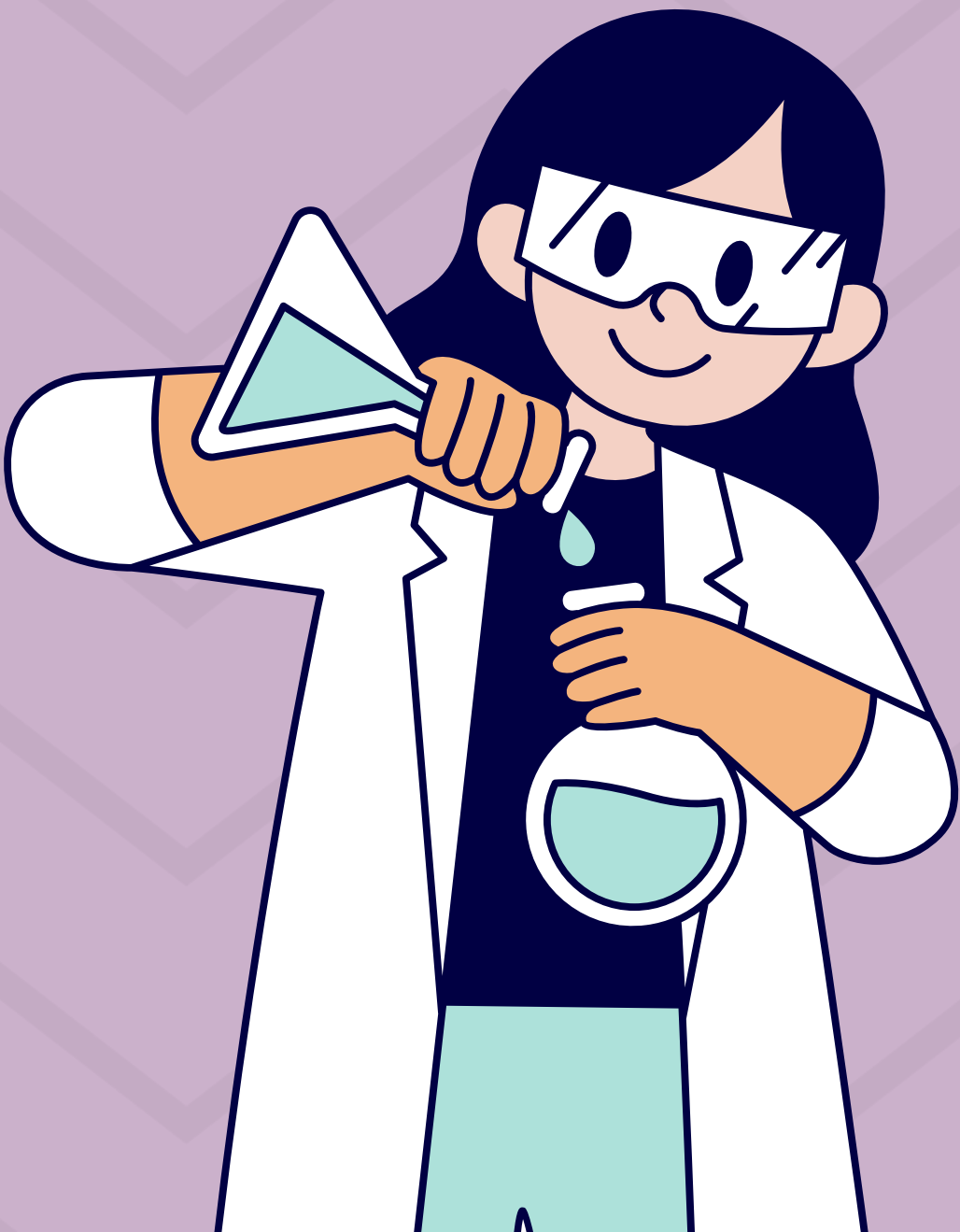
# FINAL PROJECT



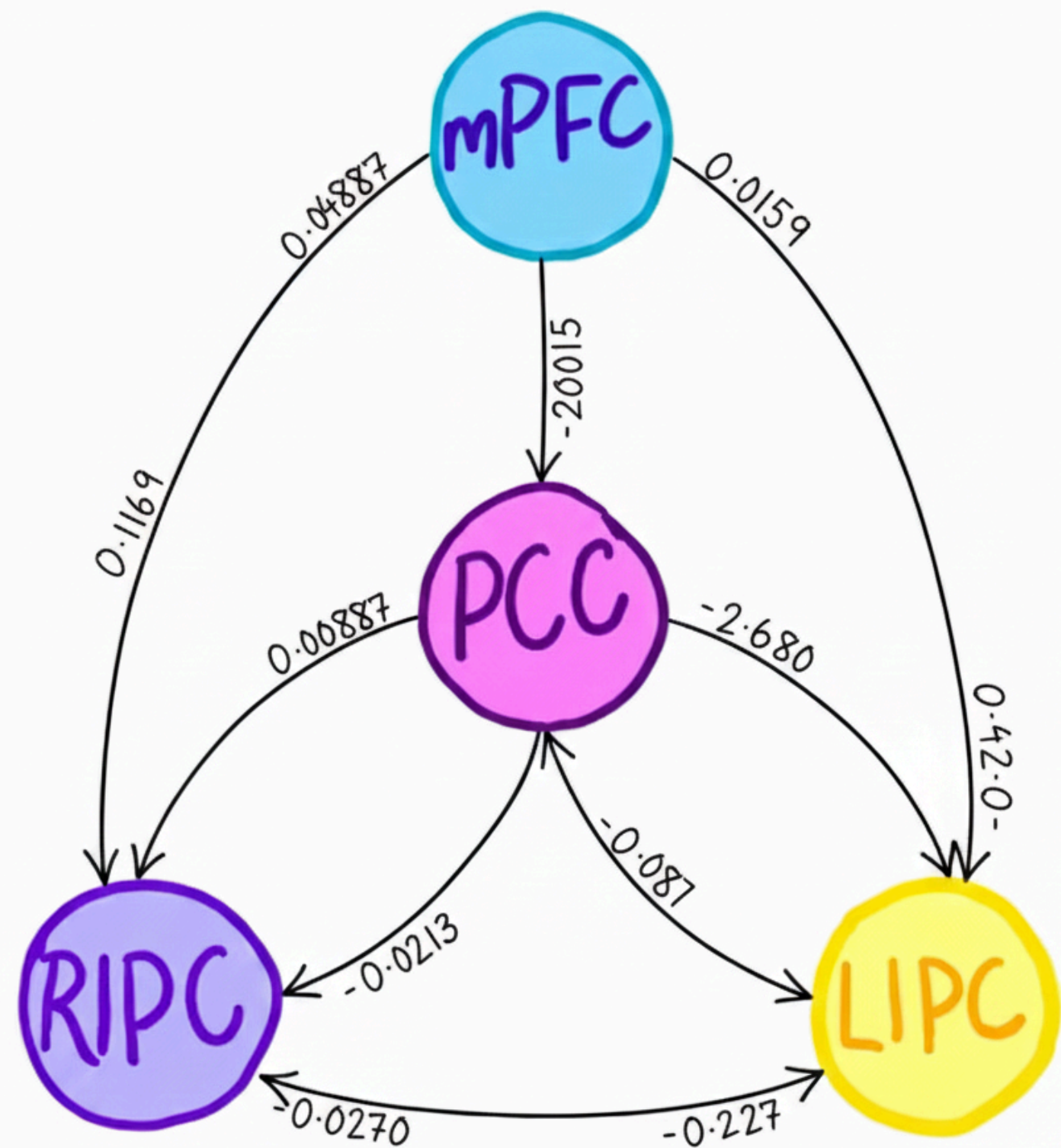


# HEALTHY GROUP





# DIFFERENCE





# Thank you!

