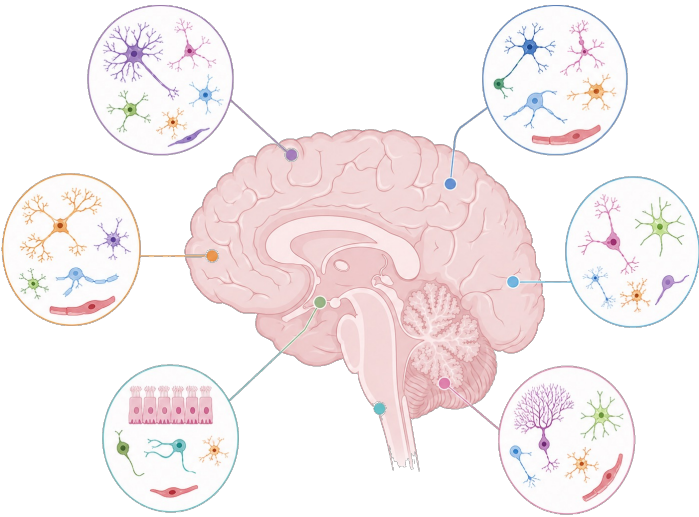
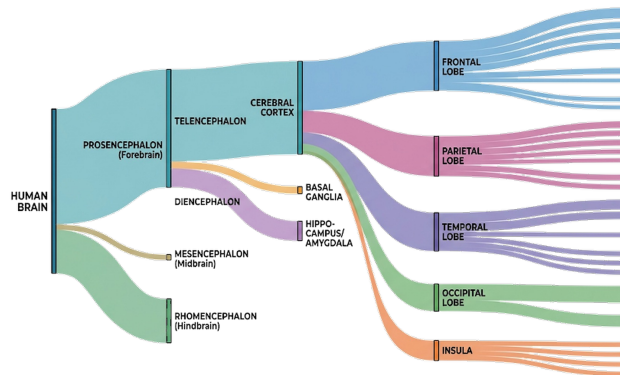


Whole brain Atlas



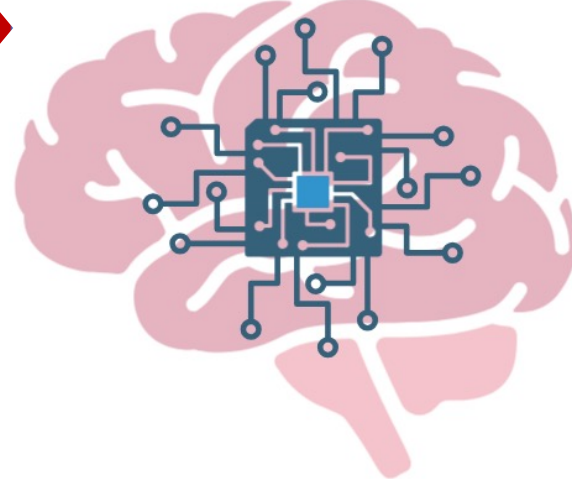
Anatomical coverage



Life-span coverage



Human brain foundation model DigitalBrain-M1



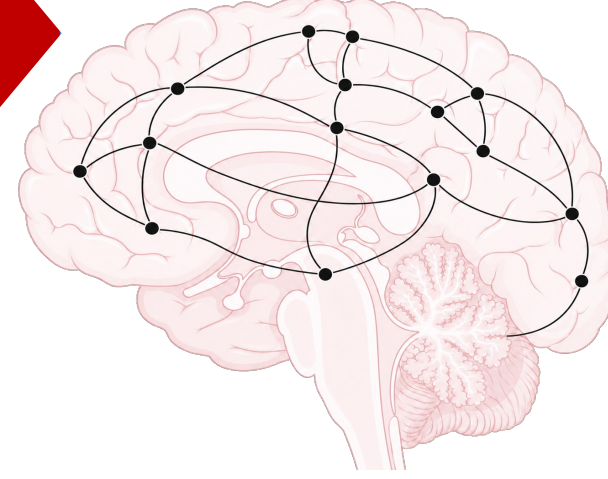
Gene
embedding



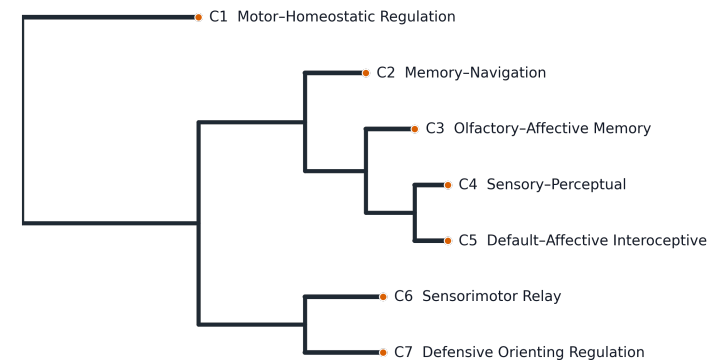
Cell
embedding



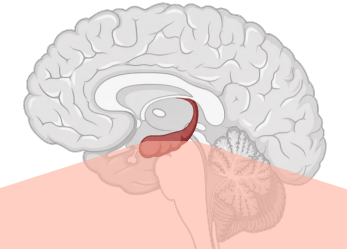
Emergent organization



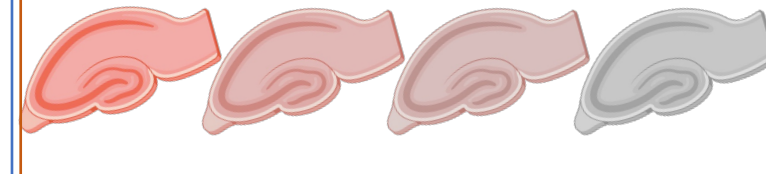
Hierarchical functional connectivity



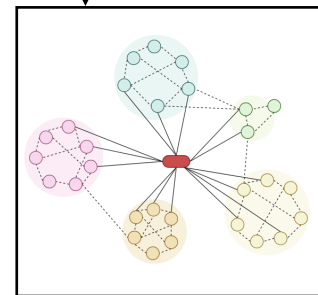
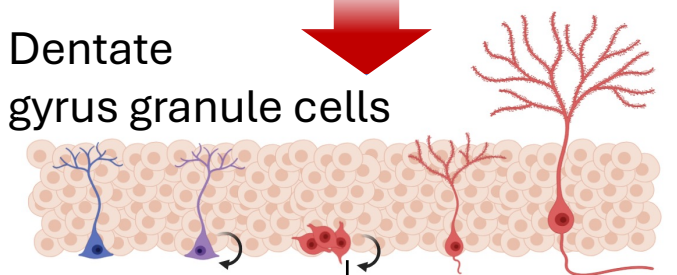
Biological stress test



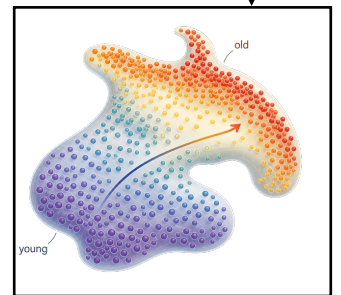
ageing



Dentate
gyrus granule cells



Embedding based
GRN change



Gene/cell state
manifold change