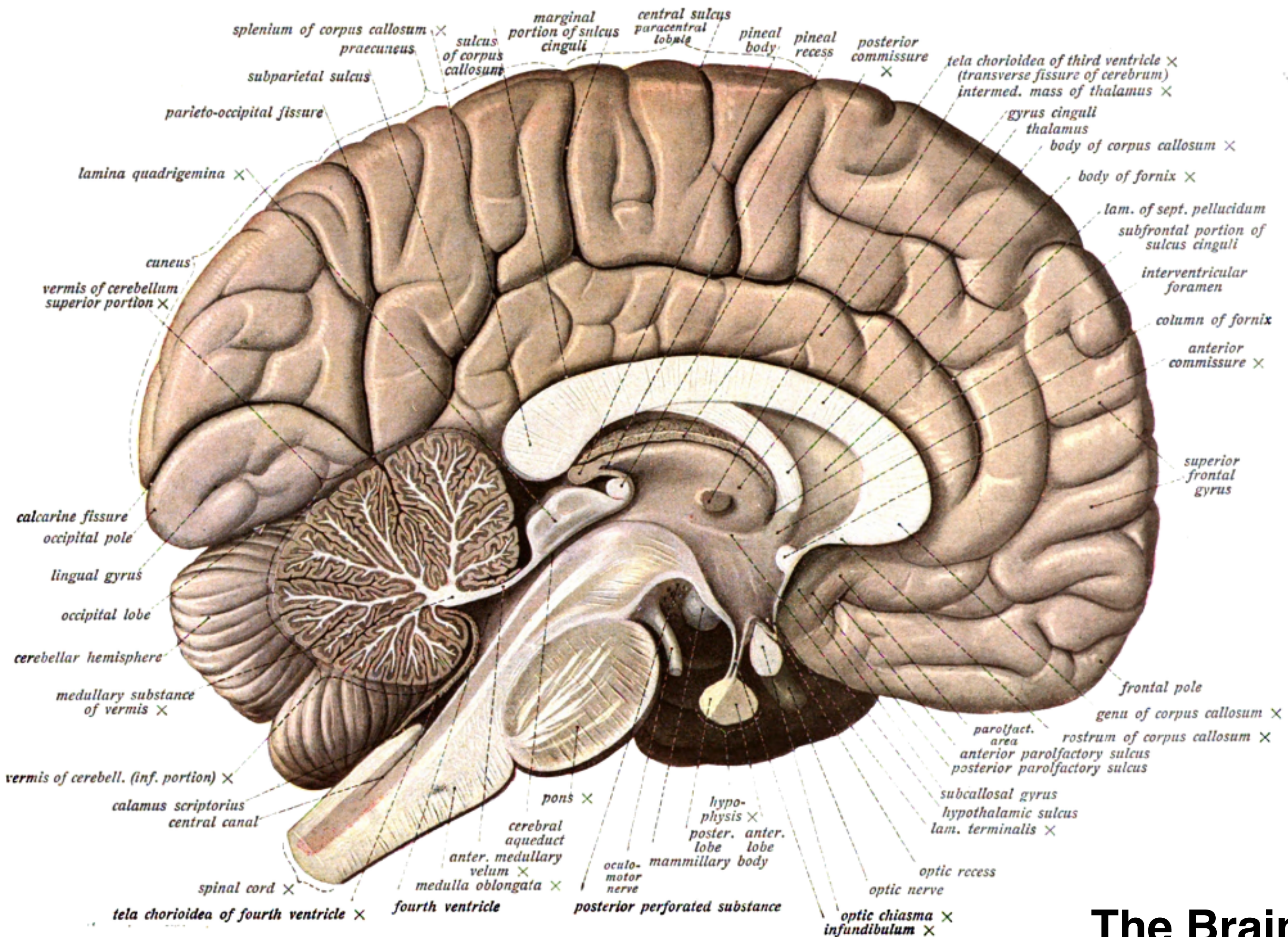- Biological systems, neuroscience and psychology have long served as inspiration and motivation for Artificial Intelligence

- There is no argument that current deep learning models and approaches are **not biologically plausible.**

- But, throughout the development of neural networks and deep learning, biology has played a role…

splenium of corpus callosum ×
praecuneus
subparietal sulcus
parieto-occipital fissure
lamina quadrigemina ×
cuneus
vermis of cerebellum superior portion ×
calcarine fissure
occipital pole
lingual gyrus
occipital lobe
cerebellar hemisphere
medullary substance of vermis ×
vermis of cerebell. (inf. portion) ×
calamus scriptorius central canal
spinal cord ×
tela chorioidea of fourth ventricle ×

marginal portion of sulcus cinguli
sulcus of corpus callosum
central sulcus
paracentral lobule
pineal body
pineal recess
posterior commissure
tela chorioidea of third ventricle ×
(transverse fissure of cerebrum)
intermed. mass of thalamus ×
gyrus cinguli
thalamus
body of corpus callosum ×
body of fornix ×
lam. of sept. pellucidum
subfrontal portion of sulcus cinguli
interventricular foramen
column of fornix
anterior commissure ×
superior frontal gyrus
frontal pole
genu of corpus callosum ×
parolfact. area
rostrum of corpus callosum ×
anterior parolfactory sulcus
posterior parolfactory sulcus
subcallosal gyrus
hypothalamic sulcus
lam. terminalis ×
optic recess
optic nerve
optic chiasma ×
infundibulum ×

pons ×
cerebral aqueduct
anter. medullary velum ×
medulla oblongata ×
fourth ventricle
oculo-motor nerve
hypo-physis ×
poster. lobe
anter. lobe
mammillary body
posterior perforated substance

The Brain