Biology of Brain and Behavior

Lecture 1 – introduction to the course structure, neuroscience and neuroscientific methods

Introduction

→ The course is an introduction to various topics in neuroscience

→ It is supplementary to the module lectures

→ I / we will try to make it more interactive than standard I-speak-You-listen class

→ Any questions (on the topic) are welcome

→ If something from lectures was not easy to understand you can suggest that we discuss it here

Requirements

→ No more than one absence

→ Being actively present

→ short and simple final test ?

→ Finishing the project in time

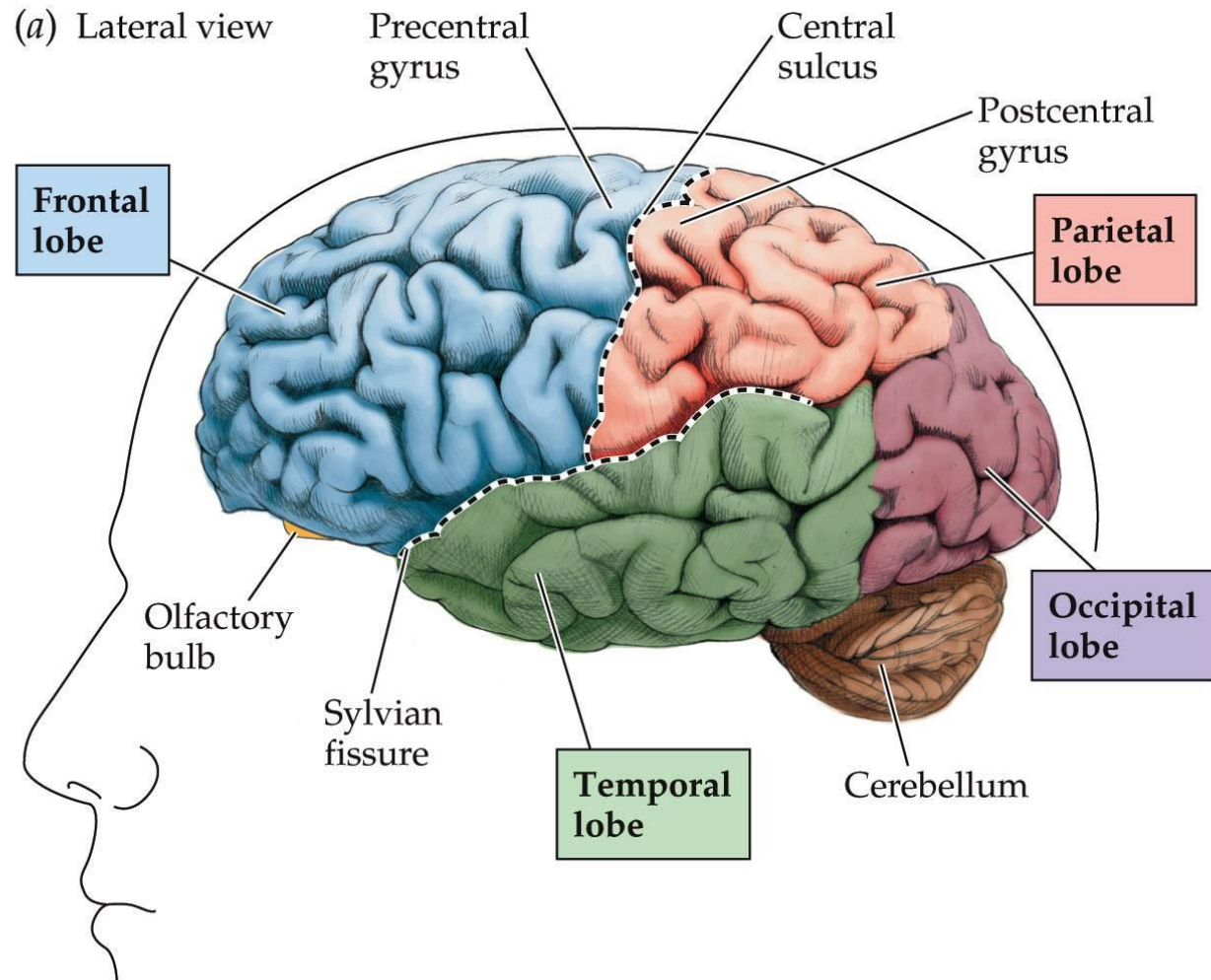# Course plan and GitHub materials

https://github.com/mmagnuski

Project

→ Example project topics will be posted on Friday (oops, Monday)

→ You do not have to choose now, but the sooner you do the easier it will be to get help from me

→ The project will take you some time – but project deadline is weeks after our last meeting
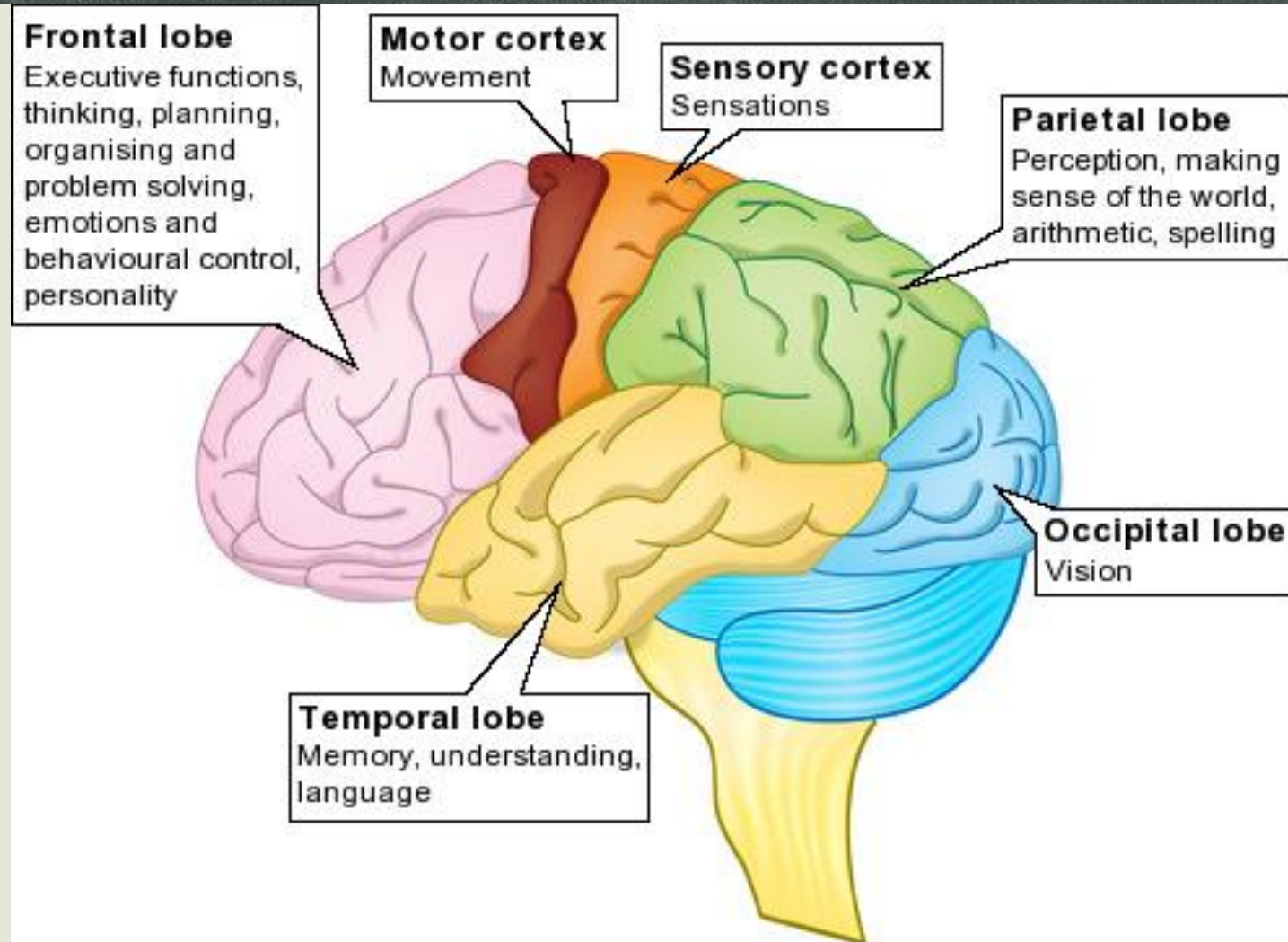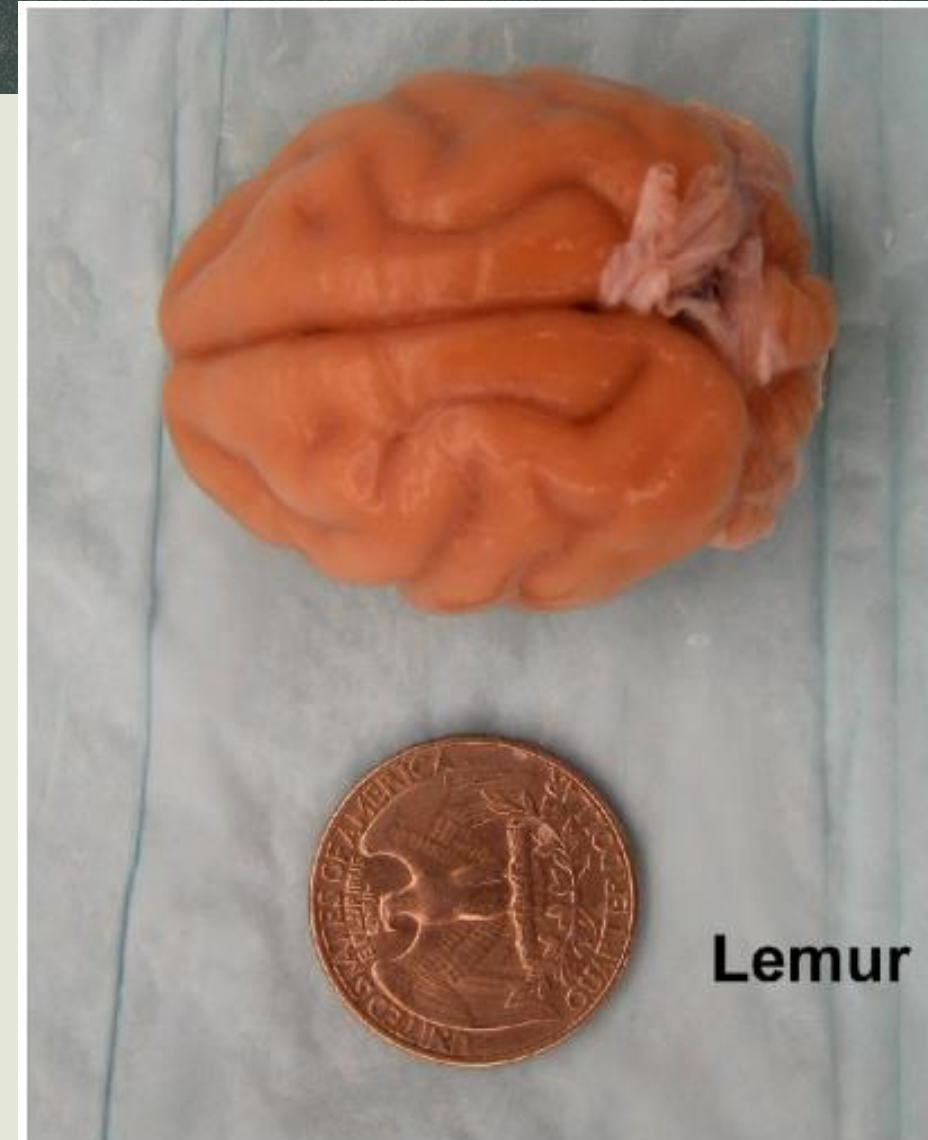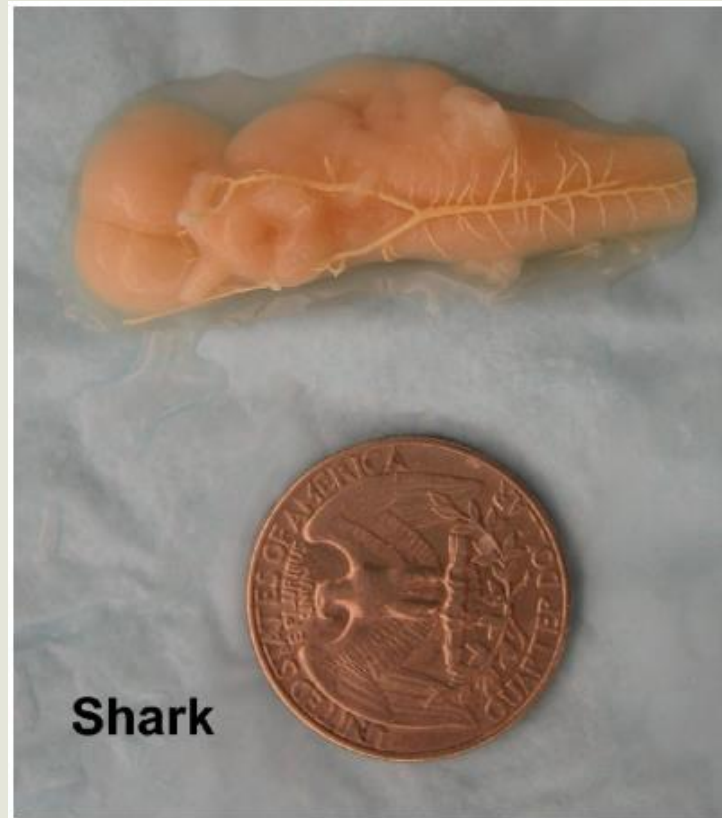
Short intro video

https://www.youtube.com/watch?v=zXLeJFu57Wg

Short glimpse into brain anatomy

(a) Lateral view

Precentral gyrus

Central sulcus

Postcentral gyrus

Frontal lobe

Parietal lobe

Olfactory bulb

Sylvian fissure

Temporal lobe

Cerebellum

Occipital lobe

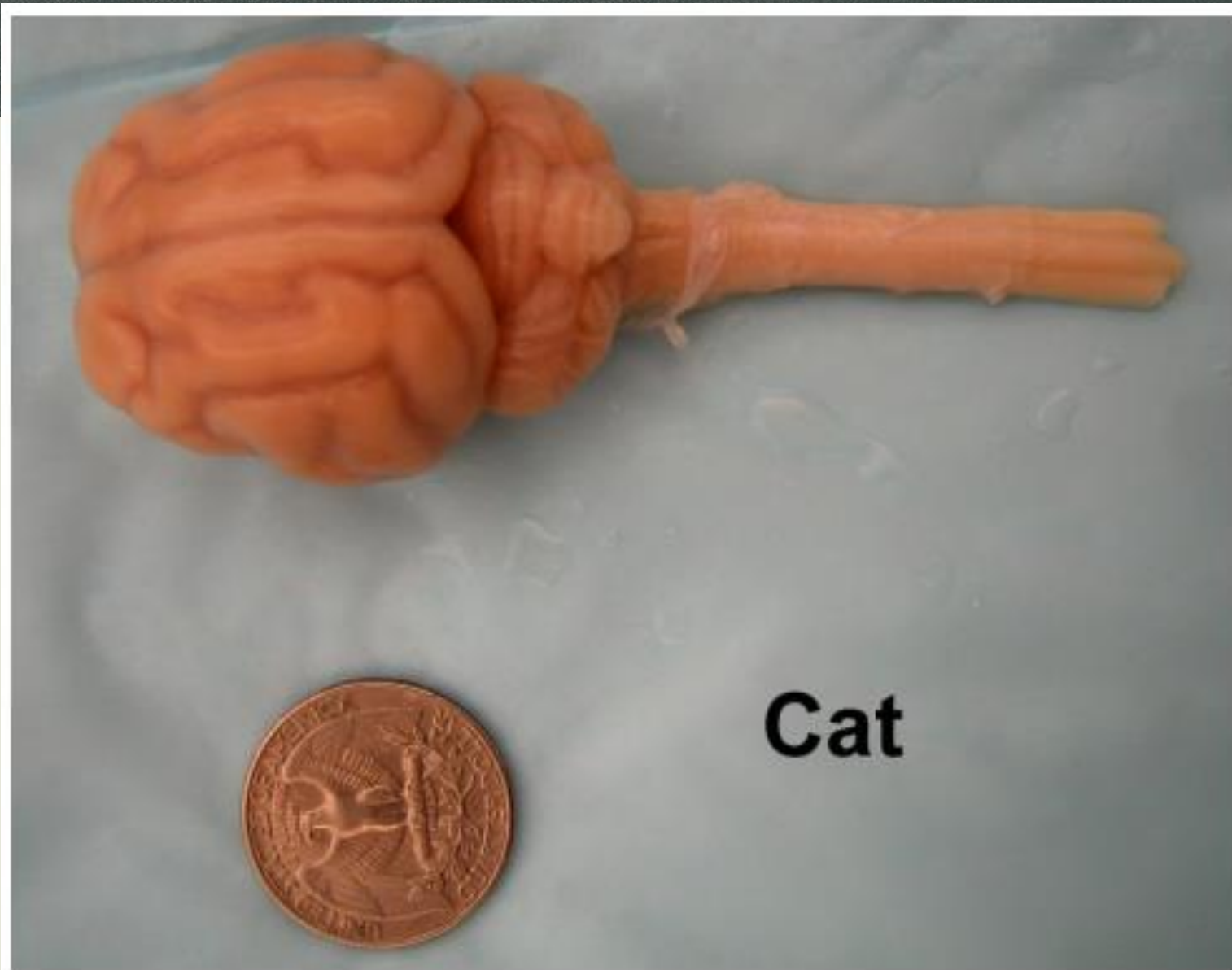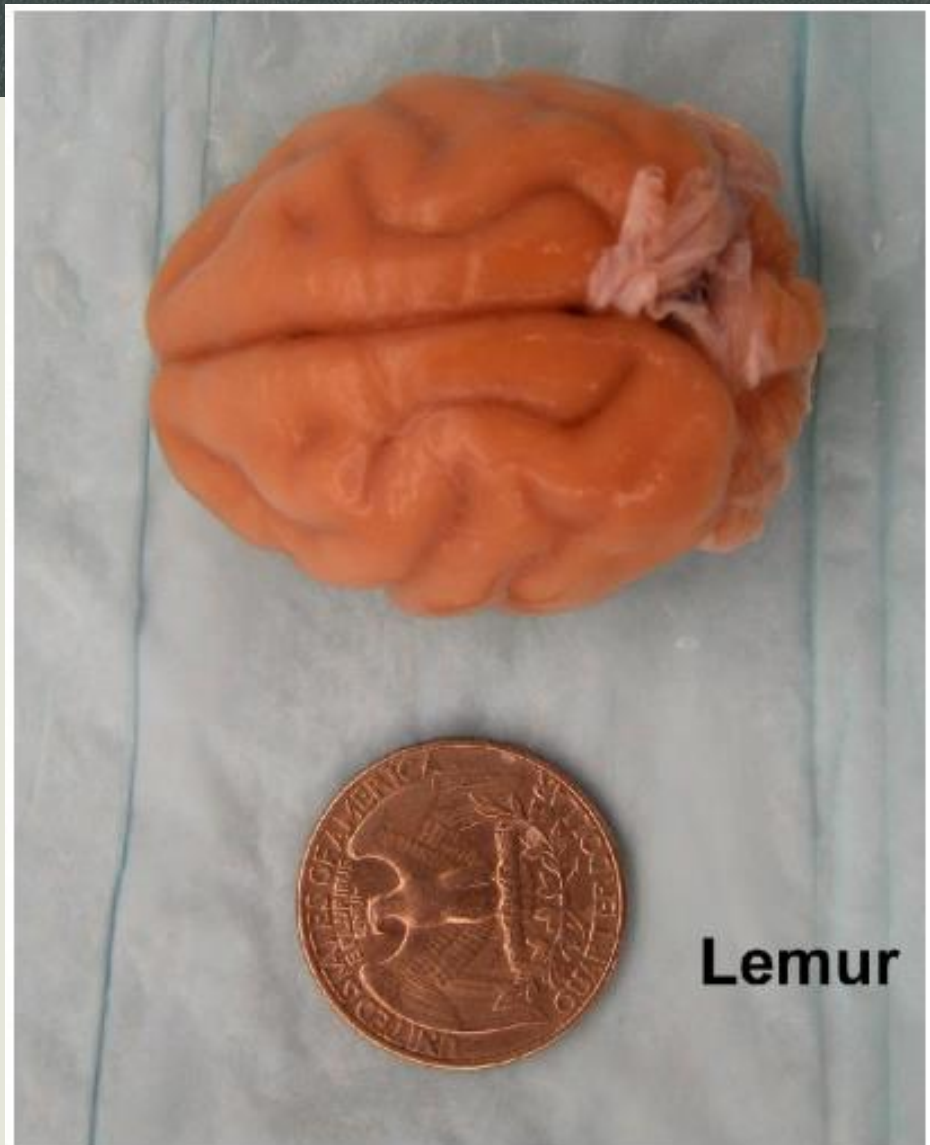*Biological Psychology 6e,* Figure 2.12 (Part 1)

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Short glimpse into brain anatomy

Brains are different ...

Pigeon

Shark

Lemur

Brains...

Lemur

Cat

Brains…

Cat

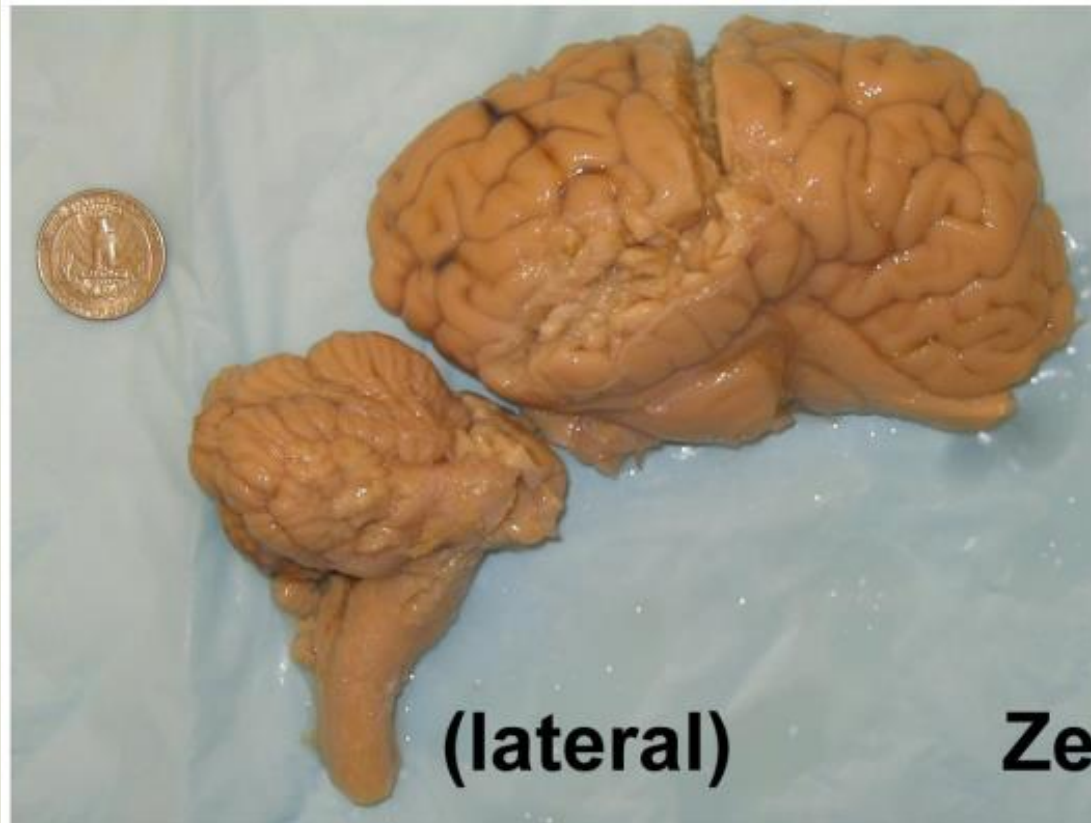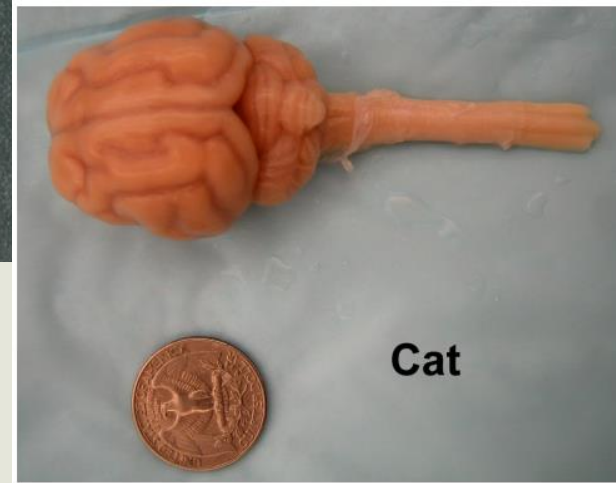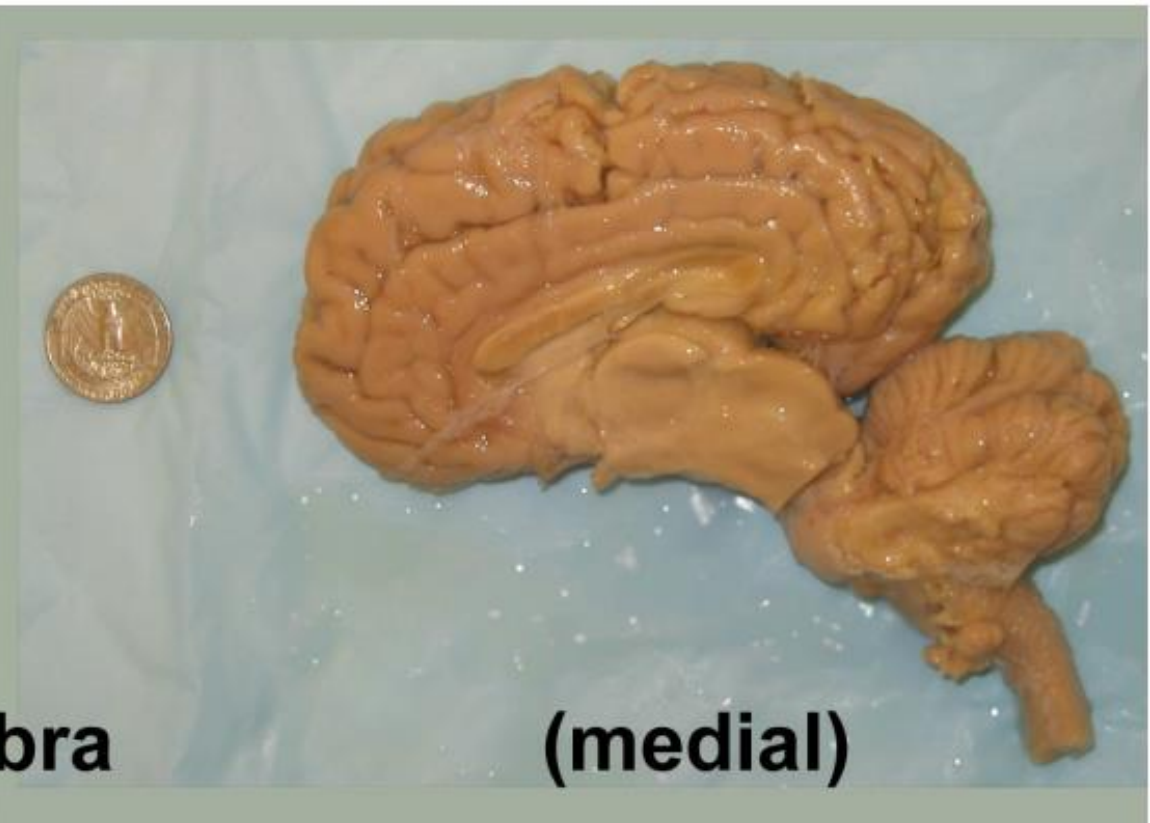(lateral) Zebra (medial)

brain in 3D – b3d

Check out the GitHub wiki entry on 3D brain atlases