9.10.2024 Day 3.

Python basics and ISN lab visit

Main tasks for today:

1. Learn the Python basics.

A good resource to use that relates to computational neuroscience is:

<https://compneuro.neuromatch.io/tutorials/W0D1_PythonWorkshop1/student/W0D1_Tutorial1.html>

It contains introduction videos and exercises of different complexity related to modelling of neurons and networks of neurons in Python.

1. What do people in the cognitive neuroscience lab do? Let’s find out!
2. Learn the basics of behavioral experiments in a lab setting.
3. Familiarize yourself with an EEG and learn the basics of how it works.

A video to complement the visit: <https://www.youtube.com/watch?v=tZcKT4l_JZk&ab_channel=NeuroscientificallyChallenged>

Learning outcomes:

1. Getting familiar with basics in Python programming.
2. Learning about cognitive neuroscience field of research.
3. Learning about basics of behavioral experiments.
4. Learning about measuring brain activity.
5. Learning the basics of EEG.