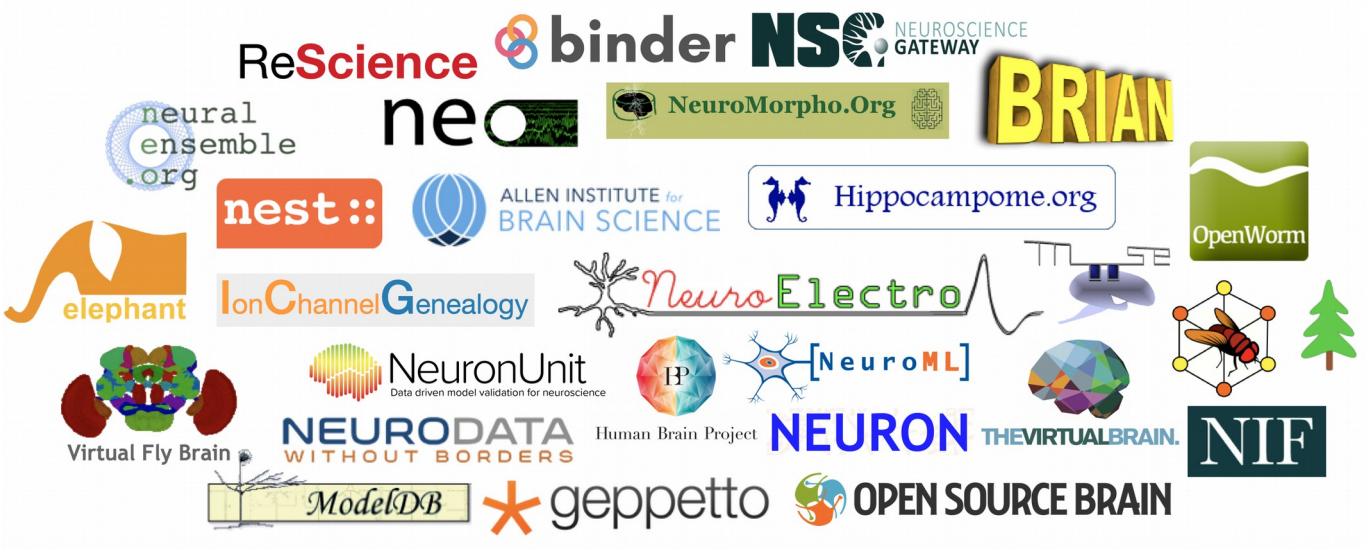
Neuroinformatics resources for computational modellers



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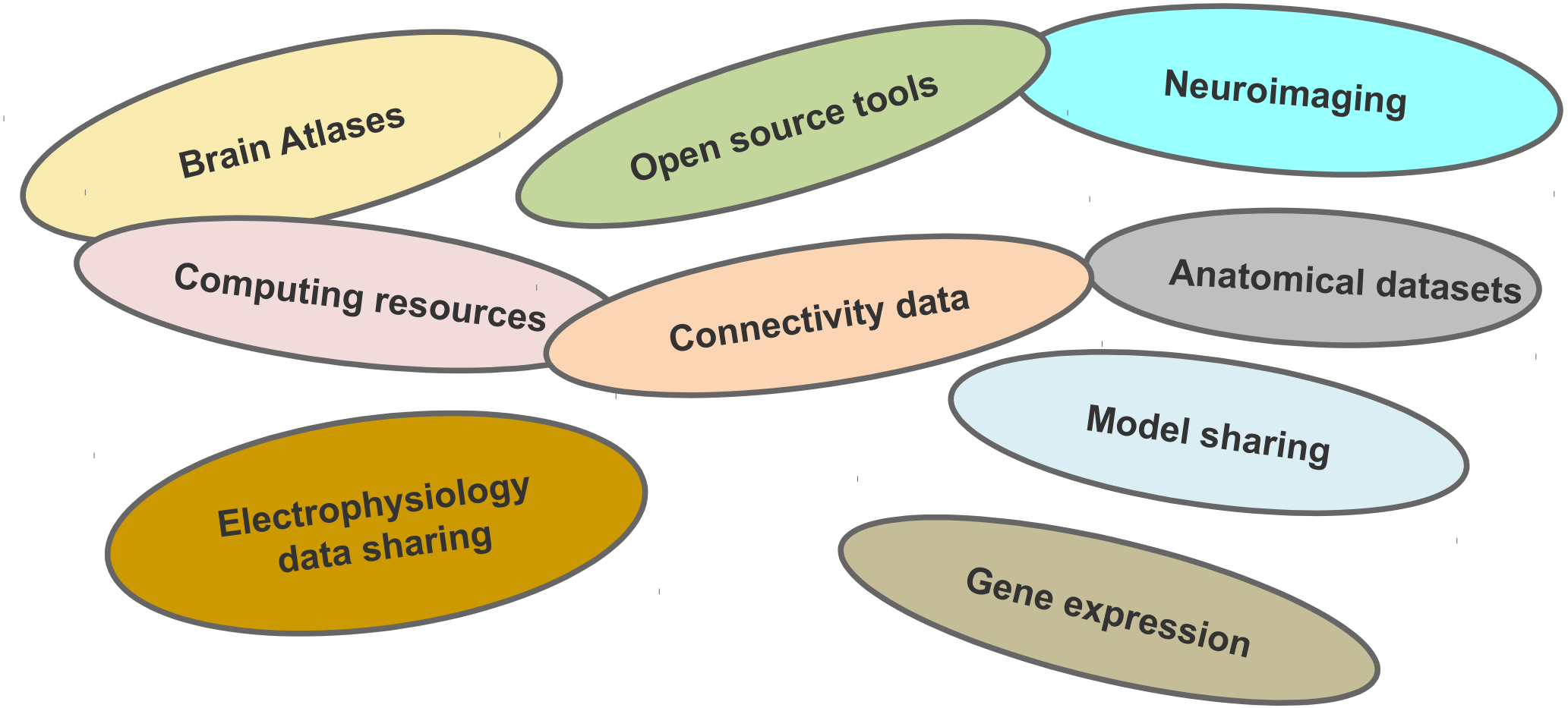
https://github.com/NeuralEnsemble/NeuroinformaticsTutorial/blob/master/CONTRIBUTORS.md

Introduction

Neuroinformatics (like computational neuroscience, connectomics, etc.) means many different things to different people…



Current tutorial

Focus on ***neuroinformatics resources*** *which may be of use for those* ***creating and analysing computational models of neuronal systems***

Topics

Experimental datasets

Structured data from literature

Analysis tools

Simulation environments

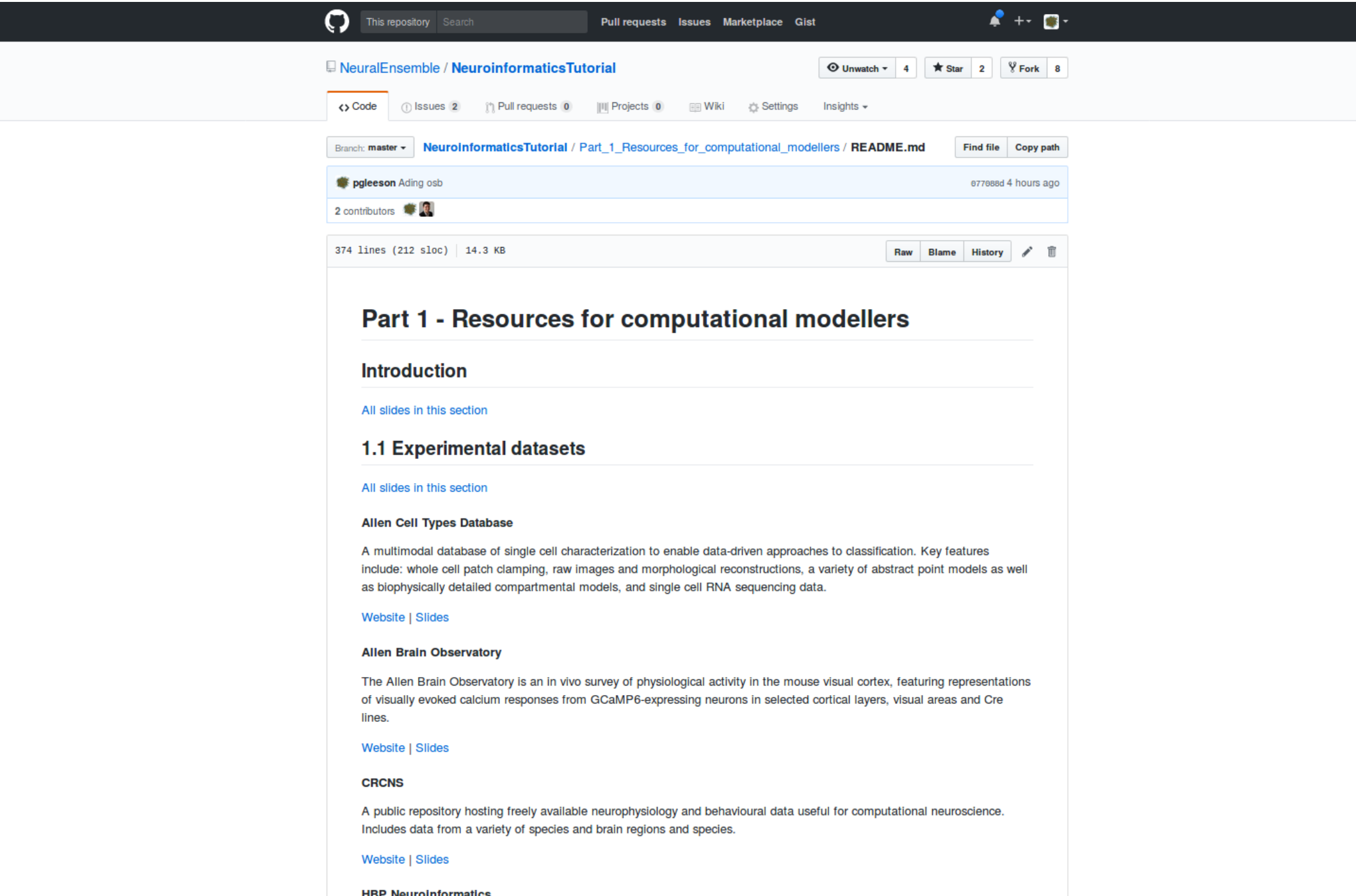
Model sharing

Computing infrastructure

Open source initiatives

Web portals

Online tutorial materials



Exercises

Hands on demonstrations

Human Brain Project Collaboratory

Run Allen Institute cell model on NSG via OSB

Demonstration of Neo/PyNN using Jupyter notebooks

Participant Exercises

Cell morphology from NeuroMorpho.Org visualised on Open Source Brain

Exploring Brain Circuits with the Fruit Fly Brain Observatory

OpenWorm tutorials