How do the connectomes of the amygdala differ between those with autism and those without?

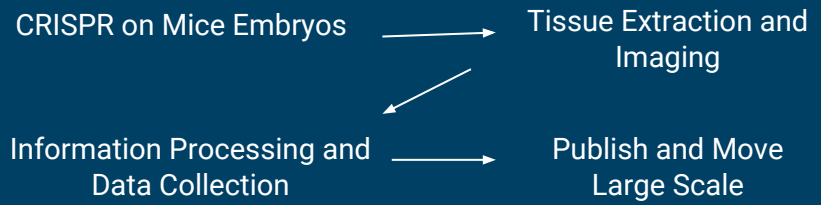
Team IMPACT

Invoking Measures to Piece Autism Connectomics Together

Feasibility

The Plan and How It Is Effective

The members of the team devised this plan with careful detail regarding the functionality and costs of the hardware and facilities.



By considering the building costs, animal costs, number of employees and salaries, materials costs, and miscellaneous costs, the total money needed for this project is approximately $6.5 billion, which is feasible in using resources and saving for any future liabilities.

The Process

The Hardware and What to Do With It

To capture, store, and process images, the team will require a Talos F200C TEM for Life Sciences and AberSAN ZXP4, and the data should be in CIFTI file format.

To convert images to graphs, image-to-graphs framework must be used. Overall, mapping amygdalae from several experimentations will allow the team to determine specific differences in the connectomes of autistic and non-autistic animals.

Data Handling

Storage and Sharing of Data

Since a large sum of data will be generated, the team will invest in hardware that has expandable storage.

Data can also be used and uploaded from and to the Open Connectome Project and the repositories of ABIDE.