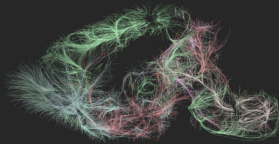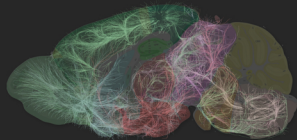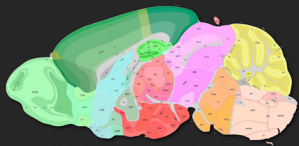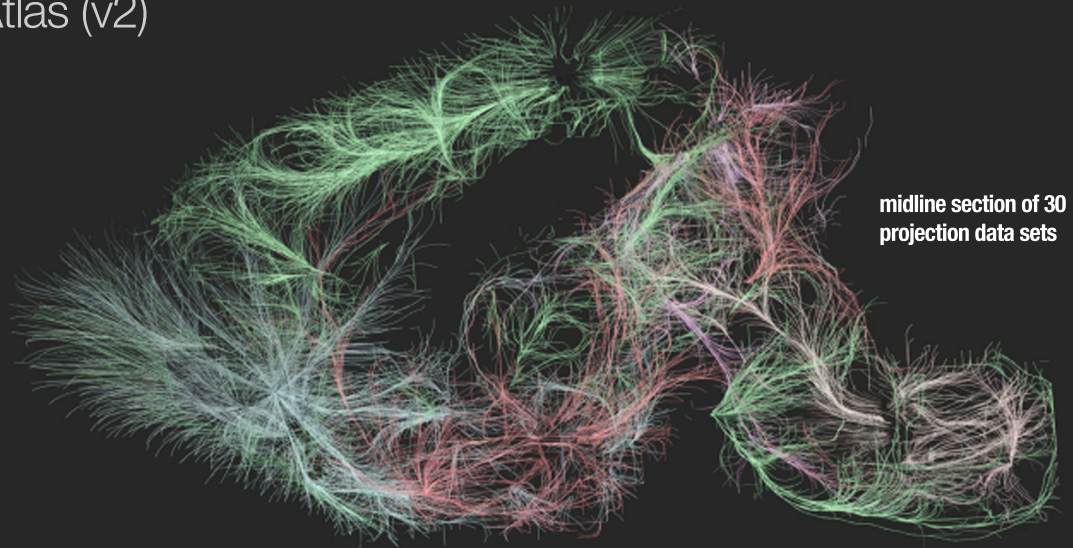# A white matter atlas of the mouse brain
First steps towards an automated pipeline

Objective: Visualize AIBS connectivity data for each section image in the Mouse Reference Atlas (v2)
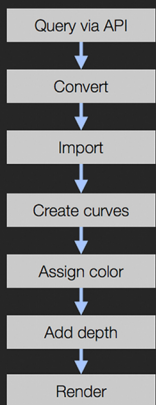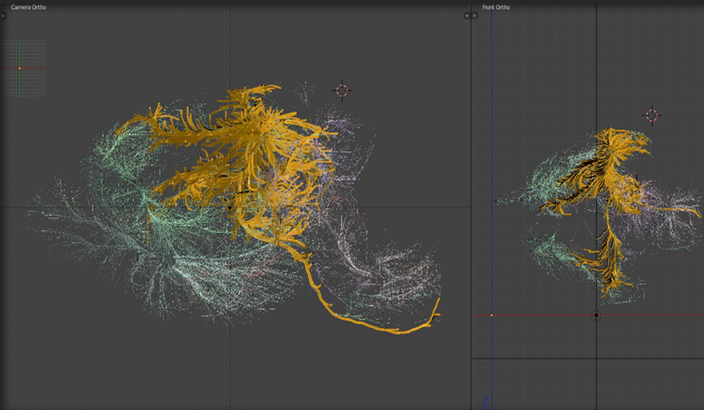

projection overlay

midline section of 30 projection data sets

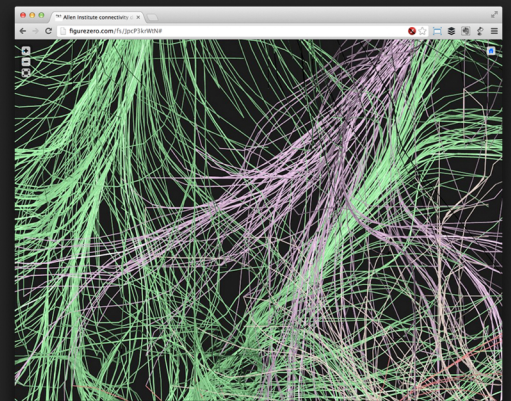Tracts colored based on injection origin structure (AIBS Ontology

Technical: Opensource toolkit to import, visualize, and generate single section views of a subset of connectivity. Also developed Interactive visualization, highlighting, and web viewer.

Query via API → Convert → Import → Create curves → Assign color → Add depth → Render
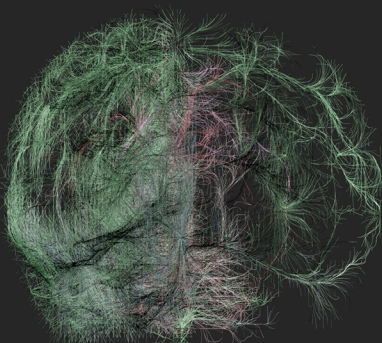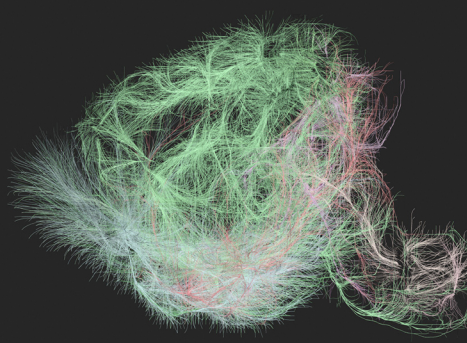
workflow

blender interactive view

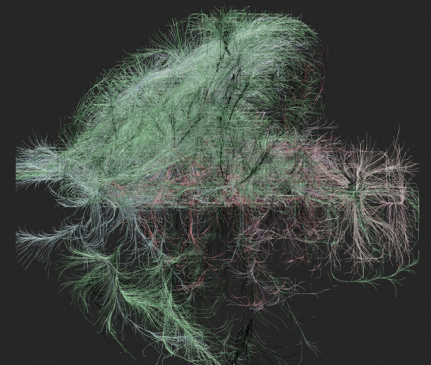zoomable image viewer for high resolution renders

Next steps: Refactor, document, and scale. Current version requires 8GB memory for 60 injection sites. Full visualization will require 400+ sites.

Coronal view of 30 projections

Sagittal view of 30 projections

Axial view of 30 projections