ALLEN Mouse Brain Connectivity Atlas

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This is the online help for the Allen Mouse Connectivity web application.

The Allen Mouse Brain Connectivity Atlas is a high-resolution map of neural connections in the mouse brain. Built on an array of transgenic mice genetically engineered to target specific cell types, the Atlas comprises a unique compendium of projections from selected neuronal populations throughout the brain.

KEY FEATURES:

- **Projection Mapping** image data detailing axonal projections labeled by viral tracers
  - Specific anatomic regions throughout the brain
  - Intrinsic Signal Imaging for detailed Visual Area projection mapping
  - Numerous defined neuronal populations
  - Stacks of two-dimensional images obtained by serial two-photon tomography
  - BDA vs. AAV for direct comparison of data derived from both conventional and viral tracing methods

- **Transgenic Characterization** data detailing transgene expression in Cre or other driver lines
  - Adult and developing brain
  - Colorimetric *in situ* hybridization
  - Fluorescent *in situ* hybridization
  - Other histological methods

- **Anatomic Reference**
  - Histology
  - Immunohistochemistry