

Neuroscience 2006, Atlanta, Georgia

Poster and demonstration: Tuesday October 17th 2006, 1.30 pm – 4.30 pm

GeneNetwork, The Mouse Brain Library, and a new Atlas of the Developing Mouse Brain

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We will take you on a guided tour of resources for the neurogenetic analysis of the mouse brain, including data most common inbred strains used by neuroscientists, such as C57BL/6J, 129, BALB, A, C3H, DBA/2J, and sets of recombinant inbred strains. We will demonstrate powerful open access Affymetrix microarray data sets that can now be used to study networks of genes and protein in the striatum, hippocampus, cerebellum, eye, and whole brain (www.genenetwork.org). These open molecular resources are supported by very extensive image databases and atlases for many of same strains of mice available in the Mouse Brain Library (www.mbl.org), the Allen Brain Atlas, GENSAT, the Mouse BIRN Mouse Brain Atlasing Toolkit (MGAT), and by a new Atlas of the Developing Mouse Brain (Schambra and colleagues). Please stop by with specific research problems that involve mouse models and we will see if we can give you some new leads using a combination of open image, atlas, and microarray data sets. [Supported by a Human Brain Project from NIDA, NIMH, and NIAAA, by the NCRR BIRN, by the NIAAA INIA program, -and the High Q Foundation.]