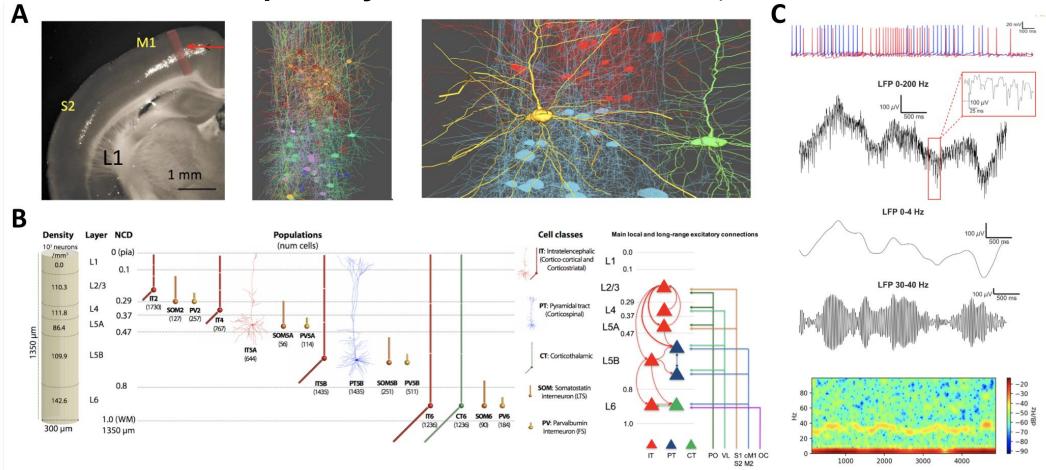
Detailed model of primary motor cortex William Lytton, SUNY Downstate U01EB017695



- Coupled ODE and event driven simulation defined in a novel high-level declarative language using NetPyNE
- Gradient descent and genetic algorithms were used to determine parameters for particular cell types. Project won the 2017 HPCwire Readers' Choice Award for Best Use of Artificial Intelligence using HPC.
- End Users: Growing interest in multiscale modeling: Human Brain Project, Blue Brain Project, Allen Brain Institute, many individual research labs contributing to ModelDB.