

# Neuroscience Information Framework (NIF)

- Inventory of web-based neuroscience resources
  - <http://www.neuinfo.org/>
- Includes a large set of ontologies
- Some terms overlap with GO cc, particularly in the NIF Subcellular ontology
- Lots of demand for these terms from neuroscience community
- We want to eliminate redundancy

# Where are we now?

- We've added NIF dbxrefs to GO cc, 155
- Added 25 new terms to GO cc
  - concentrated on adding the core neuron parts e.g. dendriole, axon collateral, axonal spine
  - maybe 200-300 more we could add/exist in GO already

# Maintaining a single ontology - technical

- Links between cc and cell types
  - CHECK - cellular\_component\_links\_cell.obo
- Upper level cc
  - NIF uses BFO top level terms (entity, constituent etc)
  - GO cc not currently organized this way
  - we could align with BFO without actually having material entity etc in GO

# Maintaining a single ontology – organizational/sociological

- Division of labor
  - could we just import neuronal cell components from NIF
  - assign NIF a GO id range?
    - wouldn't have to necessarily give write access – just periodically scrape data from NIF
  - could this be a standard model for importing terms from other groups?