# Domain Modeling

This exercise is an introduction to domain modeling and ontology building, putting into practice some basic ontology principles using an easy-to-learn graph visualization tool, VUE. It is intended to promote thinking about all of the relations that exist between anatomical terms.

Model a nervous system using the list of 24 classes below.

* 1. Use any these properties to link the classes:
     1. is\_a
     2. part\_of
     3. develops\_from
     4. connected\_to
     5. create your own properties…
  2. Which are transitive and which are not?

## Classes

anatomical structure

anatomical system

brain

cell

central nervous system

cranial nerve

ear

eye

eye primordium

nervous system

neural tube

neuron

olfactory organ

olfactory placode

olfactory system

optic nerve

organ

otic placode

peripheral nervous system

retinal ganglion cell

sensory system

tissue

vestibuloauditory system

visual system