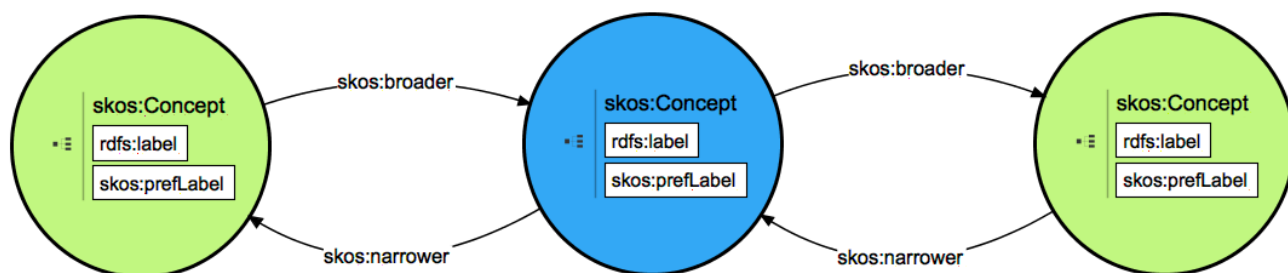# Concept Model

Notes

1. Concepts in VIVO are modeled using the SKOS (Simple Knowledge Organization System) ontology. SKOS is quite simple, and is a good place to start for those learning about ontologies, and how VIVO uses ontologies to represent information as triples in RDF. See The SKOS Primer, a readable introduction to SKOS and how it is represented in RDF.
2. A concept is typically represented in VIVO as two triples, one declaring the URI of the concept as a skos:Concept, and one providing a text label for the concept. A third triple may use the skos:prefLabel to repeat the text label for those applications expecting the concept to have a preferred label. The triples might look like those below:

```
<http://vivo.myschool.edu> rdf:type skos:Concept .
<http://vivo.myschool.edu> rdfs:label "Molecular Biology"^^@en .
<http://vivo.myschool.edu> skos:prefLabel "Molecular Biology"^^@en .
```

3. Concepts are used throughout VIVO to indicate research and subject areas for people and other entities.

Concept Model
11 October 2016

Ontology Diagram Legend
Dark blue – the entity being modeled Light blue – entities dependent on the entity being modeled. These will typically be created along with the entity being modeled, and should be removed if the entity being modeled is removed. Green – independent entities. These typically pre-exist in your VIVO when adding the entity being modeled. These should not be removed if the entity being modeled is removed.