CQL 2.0

# Use Cases for CQL 2.0

## Associated Object Retrieval

From: Imaging, TBPT, many others

Overview: Would like to be able to return a target object with one or more of its associations populated. Potentially also the association’s associations populated as well.

Example: A researcher would like to retrieve all Genes with a symbol like ‘BRCA%’ and then get the chromosome number affected. Currently, the researcher would have to perform two queries: The first to get all Genes with symbol like ‘BRCA%’, then another to get all Chromosomes who have an association to a Gene with one of the IDs of the genes from the first query. It’s cumbersome, slow, and causes unneeded network traffic. Additionally, such a two-step query is impossible (does not conform to the domain model) if the association from Gene to Chromosome is not bi-directional.