

new paper: “Wikidata as a knowledge graph for the life sciences”

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Keywords

Wikidata, Sparql, Rdf

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chem-bla-ics

As a reader of my blog, you know I have been doing quite some research [where Wikidata has some role](#). I am preparing a paper on the work I have done around chemicals in Wikidata, based on what I [presented at the ICCS with a poster](#). So, I was delighted when [Andra](#) and [Andrew](#) asked me to contribute to a paper outlining the importance of Wikidata to the life sciences. The paper was published in [eLife](#), which I'm excited about to, as they do a significant amount of publishing innovation.

I'll keep this post brief, as I have plenty of work to do, among which is SARS-CoV-2 data in Wikidata. Join this project, after you read the paper: *Wikidata as a knowledge graph for the life sciences* (doi:[10.7554/eLife.52614](https://doi.org/10.7554/eLife.52614), or in Scholia):

- [Wikidata:WikiProject COVID-19](#).

I'll write up some more queries for this eBook now: [Wikidata Queries around the SARS-CoV-2 virus and pandemic](#).

```
SELECT * WHERE {
  values ?symbol [W:CK2W W:ACT1W W:ORAW W:EGFAW W:COL21W W:NDLY1W] .
  ?gene wdr:P35 ?symbol .
  ?gene wdr:P35 ?entrez .
}

SELECT * WHERE {
  values ?rxnorm [R:07361 R:07342 R:0692 R:24924] .
  ?compound wdr:P35 ?rxnorm .
  ?compound wdr:P35 ?ndfirt .
}
```

A figure from the article, outlining the idea of using SPARQL queries to extract data from the open knowledge base.