

Programming in the Life Sciences #21: 2014 Screenshots #1

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Abstract

December saw the end of this year's PRA3006 course (aka #mcspils). Time to blog some screenshots of the student projects. Like last year, the aim is to use the Open PHACTS API to collect data with ops.js and which should then be visualized in a HTML page, preferably with d3.js. This year, all projects reached that goal.

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chem-bla-ics

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ACE inhibitors

The first team (Mischa-Alexander and Hamza) focused on the [ACE inhibitors](#) (type:“drug class”) and the [WP554](#) from [WikiPathways](#). The use a tree structure to list inhibitors along with their activity:

Compound Searcher for Angiotensin-converting enzyme (Homo sapiens)



The source code for this project is available under a MIT license.

Diabetes

The second team (Catherine and Moritz) looked at compounds hitting diabetes mellitus targets. They take advantage from the new disease API methods and first ask for all targets for the disease, and then query for all compounds. Mind you, the compounds are not filtered by activity, so it mostly shows interactions that real targets.

