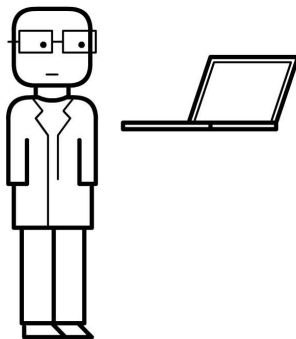


1 Bioinformatician writes a small "script" program to automatically retrieve the desired information from the TFe Web API



Get all **TFe TFIDs**
For each **TFe TFID**,
Get the TFID's **symbol**
If symbol equals "ATF3",
Get **MeSH disease term**

2 The program is set to run on its own



Get all **TFe TFIDs**

<http://www.cisreg.ca/cgi-bin/tfe/api.pl?code=all-tfids>

118
119
120
...

Web API



For each **TFe TFID**,

Get **symbol**

<http://www.cisreg.ca/cgi-bin/tfe/api.pl?code=symbol&tfid=118>

<http://www.cisreg.ca/cgi-bin/tfe/api.pl?code=symbol&tfid=119>

<http://www.cisreg.ca/cgi-bin/tfe/api.pl?code=symbol&tfid=120>

...

NFE2L2
ATF2
ATF3
...

Web API



If symbol equals "ATF3",

Get **MeSH disease term**

<http://www.cisreg.ca/cgi-bin/tfe/api.pl?code=mesh-disease&tfid=120>

Adenocarcinoma 0.177601144421424 467 2 63 224213 20...
Amino Acid Metabolism, Inborn Errors 0.0614416365875486 46...
Anoxia 0.0113406899391781 467 2 63 46934 2010-06-01
Avitaminosis 0.156084229322004 467 1 63 49774 2010-06...
Blood Protein Disorders 0.160228839379989 467 1 63 5121...

Web API