

SWAT4HCLS 2020 Hackathon ideas

If you would like to attend a **one day** virtual Hackathon, please put your name under the following suggested dates (or feel free to suggest new dates):

Q: Is this going to be 9:00-17:00 CET?

A: undecided yet, but if it is CET it will likely be 9:00 - 24:00 CET to cater to the different time zones of the audience

Q: Is there a registration fee?

A: No

Scroll down for pitches

Doodle:

~~Thursday 14th January 2021~~

~~Tim Williams~~

~~Andra Waagmeester~~

~~Egon Willighagen~~

~~Martina Kutmon~~

~~Jose Labra~~

~~Yasunori Yamamoto~~

~~Seyed Amir Hosseini~~

~~Ammar Ammar~~

~~Erick Antezana~~

~~Finterly Hu~~

~~Matthijs Sloop~~

~~Petros Kalendralis~~

~~Rajaram Kaliyaperumal~~

~~Denise Slenter~~

~~Nick Lynch~~

Friday 15th January 2021

Jerven Bolleman

Tim Williams

Maksim Kolchin

Andra Waagmeester

Egon Willighagen

Martina Kutmon

Jose Labra
Yasunori Yamamoto
Seyed Amir Hosseini
Ammar Ammar
Rianne Fijten
Erick Antezana
Leyla Garcia
Lydie Lane
Finterly Hu
Matthijs Sloep
Petros Kalendralis
Rajaram Kaliyaperumal
Takatomo Fujisawa
Denise Slenter
Xiaofeng Liao (Morning only)
Michel Dumontier
François Belleau

Tuesday 19 January 2021

Alasdair Gray
Martina Kutmon
Andra Waagmeester
Jose Labra
Daniel Mietchen
Seyed Amir Hosseini
Ammar Ammar
Lydie Lane
Finterly Hu
Rianne Fijten
Matthijs Sloep
Petros Kalendralis
Rajaram Kaliyaperumal (Morning only)
Maksim Kolchin
Nick Lynch
SJ
Xiaofeng Liao
François Belleau

~~Friday 22 January 2021~~

~~Alasdair Gray~~

~~Martina Kutmon~~
~~Andra Waagmeester~~
~~Jose Labra~~
~~Seyed Amir Hosseini~~
~~Ammar Ammar~~
~~Leyla Garcia~~
~~Finterly Hu~~
~~Rianne Fijten~~
~~Matthijs Sloop~~
~~Petros Kalendralis~~
~~Rajaram Kaliyaperumal~~
~~Maksim Kolchin~~
~~Denise Slenter~~
~~Nick Lynch~~

Pitches

Subsetting of Knowledge Graphs.

During the past editions (2019-2020) of both the biohackathon and SWAT4HCLS we worked on extracting subsets. During the last virtual hackathon of the biohackathon we were able to extract subsets from using Shape Expressions from Wikidata. We would like to use the SWAT4HCLS hackathon to continue the developments, i.e. finalizing the above mentioned pipeline, but also deploy the workflow on a set of use cases.

Participant:
Andra Waagmeester
Daniel Mitchen
Jose Labra
Seyed Amir Hosseini
Leyla Garcia

Github actions to check semantic web artifacts

This pitch is inspired by pull request review work done in this semantic model [repository](#). During the pull request review process we did systematic manual checks like checking syntactic validation of shex and turtle files, removing redundant content and unused prefixes. So in this hackathon we would like to explore options to make github actions to automatically do some of our systematic manual checks.

Participant:
Rajaram KaliyaperumalXiaofeng Liao

Converting REACTOME database in JSON-LD and explore the potential in ElasticSearch/Siren investigate

Making datasets available in RDF format was at the heart of the Bio2RDF project. Now with the availability of JSON-LD standard and the scalable NO-SQL technologies (mongo, neo4J, elasticsearch), how can the Life Science Linked Data community could benefit from those newer approaches? Our goal is to create a Biomart like user interface built around Reactome, CHEBI, Uniprot and GO databases all interlinked with URIs.

Technologies: Python, JSON-LD, ElastiSearch, Siren Investigate

Participant:
François Belleau