

chem-bla-ics

All BioHackrXiv preprints and BioHackathon RSS feeds

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Biohackrxiv, Europepmc

Abstract

One thing I was still missing in BioHackrXiv was a place with an overview of: 1. all biohackathons, 2. all preprints linked to a biohackathon, 3. an RSS feed for new papers of a biohackathon.

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One thing I was still missing in [BioHackrXiv](#) was a place with an overview of: 1. all biohackathons, 2. all preprints linked to a biohackathon, 3. an RSS feed for new papers of a biohackathon. Of course, there is the [BioHackrXiv discover](#) service, but the biohackathon is not a metadata field and I cannot filter based on it. And, of course, there is Scholia, but not all preprints are notable (so far, a good number had CiTO annotation that at least made them somewhat notable). Thus, they are not all listed in [this venue page](#) and neither on [this overview of collections of preprints linked to BioHackathon Europe meetings](#).

Additionally, it also does not have an RSS feed, and [we should indeed be using RSS more](#). So, I hacked something up and impressions were positive. Based on Jekyll and the experiences I had with this blog, I modelled individual articles as blog posts and biohackathons as tags. That automatically gave me the RSS feeds:

- [feed for new BioHackrXiv preprints](#) (or [this JSON Feed](#))
- [feed for Europe BioHackathon 2021](#) (based on [the BH21EU tag](#))

It's still very much in progress, but it's now live at index.biohackrxiv.org:


BioHackathon Europe, Barcelona, Spain, 2021

 BH21EU

Preprints

 Feb 21, 2023


Executing workflows in the cloud with WESkit

With the exponential increase in genomic data, analyzing and processing large datasets has become a challenging task in healthcare. To address this issue, the Global Alliance for Genomics and Health (GA4GH) has proposed a set of community standards for enabling the adoption of FAIR principles for data, software, and infrastructure. These standards promote the concept of sending analysis and processing workflows to the data rather than transferring large datasets, thereby increasing efficiency and data security. In this paper, we present the outcomes of the ELIXIR Biohackathon 2021 project, where we worked on our software WESkit, which implements the GA4GH WES standard for running Snakemake and Nextflow workflows. During the hackathon, we implemented basic GA4GH TRS support, deployed a cloud platform, and added S3 support for downloading result files.  less than 1 minute read



 Feb 3, 2023

CiTO support for BioHackrXiv

In this paper we present the work executed on BioHackrXiv during the international ELIXIR BioHackathon in Barcelona, Spain, 2021.  less than 1 minute read



 Blogs (1)

 Feb 2, 2023

Addressing sex bias in biological databases worldwide

Precision medicine aims at tailoring treatments to individual patient needs. In this context, artificial intelligence (AI)-based technologies are viewed as revolutionary since they have the capacity to identify key features that link genomic and phenotypic traits at the individual level. AI techniques therefore depend on the quantity and quality of patient data. When variables like sex, age, or race are ignored in sample records, it can result in biased predictions as they will not be considered in the training of the AI algorithm. To this end, the



Extras

Some extra goodies already there include:

- the [Altmetric.com donut](#)
- links to [Scholia](#)
- links to [Europe PMC](#)

The [overview of biohackathons](#) looks like this (the tag size follows the number of preprints for that biohackathon):

Tags

Japan2019 C19BH20 BH19EU **BH20EU** BGDC BH21JP BH21EU AlienCSI NBSHW21
BH22JP **BH22EU** BH22DE **BH23JP** **BH23EU** CMUDNA BCUBED24
VIB24 **BH24JP** INTOXICOM SWAT4HCLS24 SDDW24 **BH24EU** BH24DE BHLLM24
OMENGGFWH24 SWAT4HCLS25 CMUDNA25

Meetings

2025

- [CMU DNAnexus BioHackathon, Pittsburg, USA, 2025](#)
- [SWAT4HCLS, Barcelona, Spain, 2025](#)

2024

- [BioHackathon Europe, Barcelona, Spain, 2024](#)
- [BioHackathon Germany, Kassel, Germany, 2024](#)
- [ELIXIR Toxicology Community: INTOXICOM](#)
- [SWAT4HCLS, Leiden, The Netherlands, 2024](#)
- [DBCLS BioHackathon 2024, Fukushima, Japan, 2024](#)
- [VIB Hackathon June 2024, Ghent, Belgium, 2024](#)