

openTECR & de.NBI BioHackathon

Thank you for your interest in the BioHackathon project with the very descriptive and short name “Leveraging Free Infrastructure and Open Practices to Empower the Creation of Specialized Databases by Non-Experts”!

I am excited that you want to meet up and see what we can do as a community in a week!

The Hackathon runs from December 11th to December 15th, and it would be great if we can focus our work during those days together. I am attaching a short Google Forms survey to capture your thoughts and availabilities, with more info below:

<https://forms.gle/GbKbnkbzgBzcT2VC9>

As you might know, this hackathon project comes with a concrete use case attached – the openTECR community & database. As I put it for [our project description](#), this is “a dataset on collected apparent equilibrium constants of enzyme-catalyzed reactions, thus bridging a wide field from chemicals, enzymes, metabolism, literature references, and physics. The data is partly well curated and ready to be integrated with further databases. Cross-references to Rhea and PubMed / DOIs were created already.”

However, the database still exists in distributed files, mostly in csv format, and is not very clean. Certainly, there is no web interface to it (which is a pity). I believe that we should be “enabling community curation, documenting curation guidelines and practices, making codes openly available, introducing CI/CD elements for quality control, sharing the actual data openly, giving them persistent identifiers, and more.”

That’s a big task and I am very glad that you want to pick up this topic together with other members of the community!

As of today, we are nine very motivated researchers ready to tackle this challenge.

I would like to share with you the areas and tasks I can envision us to pick up during this week. But first and foremost, this is **our** hackathon (not mine), so I am especially interested in what you would like to do during those days! You can use the Google Forms survey for this, or propose changes in the corresponding documents.

Let us start with a task area overview – you can find it here: [= Overview task areas](#)

If you already have a feeling which area interests you the most, you might want to dive deeper into tasks that would fit the area, and which we already have identified: [= Task list in detail](#)

But probably you have other ideas as well! So here comes the survey (again), so you have a place to enter them: [Survey as Google Forms](#)

Let us know and share your thoughts!

Best and speak to you soon,

Robert

(rgiessmann@gmail.com)