

Ideas for genomics project: grand permissions to your genome

[SafeGenome\GenomeAuth].

In a series of posts tagged with [ideas-for-genomics-project](http://scalaakka.blogspot.com/search/label/ideas-for-genomics-project) [http://scalaakka.blogspot.com/search/label/ideas-for-genomics-project] I am describing ideas for business that can be build in area of genomics. If you like those ideas and you would like to join as an investor, co-founder or consultant please contact me at [LinkedIn](https://pl.linkedin.com/pub/artur-stanek/a5/643/691) [https://pl.linkedin.com/pub/artur-stanek/a5/643/691] or just drop me an email, stanek.artur@gmail.com [mailto:stanek.artur@gmail.com] .

You may be also interested to check previous post "Overcome legal limitations by moving computation to right location" [http://scalaakka.blogspot.com/2015/11/idea-4-for-genomics-project-overcome.html] ", next post "Check if your genome is in the Internet" [http://scalaakka.blogspot.com/2015/11/ideas-for-genomics-project-check-if.html] " or the bigger picture [http://scalaakka.blogspot.com/2015/10/ideas-for-genomics-project-diagram-of.html] .

Idea "GenomeAuth" is to be like an [OAuth2](http://oauth.net/2/) [http://oauth.net/2/] but for genome files.

The idea is about acting in the same manner as when you want to do something in some web service but instead of signing in you choose to authorize by using [Facebook](https://www.facebook.com/) [https://www.facebook.com/] or [Google+](https://plus.google.com/) [https://plus.google.com/] . On popup window you accept that some application wants to have an access to this and that details of your account. Let's imagine that you are on [Roche's](http://www.roche.com/) [http://www.roche.com/] site and you want to buy imaginary *AnalyseX*. Next you are saying that your genome is available in [GenomeBroker](http://scalaakka.blogspot.com/2015/11/ideas-for-genomics-project-genome-broker.html) [http://scalaakka.blogspot.com/2015/11/ideas-for-genomics-project-genome-broker.html] by entering address like *http://broker.safegen.com*. Then, similarly to OAuth2, popup window is shown and *broker.safegen.com* is saying:

"AnalyseX at [Roche](http://www.roche.com/) [http://www.roche.com/] wants to have an access to your chromosomes 1-7, chromosome 12 and chromosome 13 (from 0 to 10000); click [cancel](#), [accept](#), review [advanced constraints](#) or check [what are those chromosomes responsible](#) for."

In advanced constraints you will be able to fill limitations like:

- you give an access that will expire after 7 days from now,
- you limit that your genomic information can never leak outside of US (that means that processing should be done within the USA) or you limit even more - genomic information can not go outside of [GenomeBank](http://scalaakka.blogspot.com/2015/11/ideas-for-genomics-project-store-and.html) [http://scalaakka.blogspot.com/2015/11/ideas-for-genomics-project-store-and.html] ,
- you disallow that any parts of your genome should stay in hands of the company longer that 1 minute after analyse is done.

Of course you don't have to accept access to all what was asked by the company. If you feel that they want too much you can simply un-check chromosome 12. What is in chromosome 12? Don't worry - system will deliver you best possible

information what current knowledge says about that chromosome.

After acceptance, set of accepted areas and constraints goes back to the company - in this example to Roche - and they heave to check if AnalyseX can be done or not. They may be ok with what you accepted or give you more information why they need chromosome 12 too. If you are still interested in this analyse you can start process again.

Posted 7th November 2015 by [Artur Stanek \(kermitas\)](#)

Labels: [bioinformatics](#), [GenomeAuth](#), [genomics](#), [ideas-for-genomics-project](#), [non web find](#), [OAuth2](#), [Roche](#), [SafeGenome](#)

0

Add a comment

Enter your comment...

Comment as: Artur Stanek (k ▼)

Sign out

Publish

Preview

☐ Notify me